

Year 6 Annual Report

Massachusetts Small MS4 General Permit

Reporting Period: July 1, 2023-June 30, 2024

Please DO NOT attach any documents to this form. Instead, attach all requested documents to an email when submitting the form. Also ensure any websites included on this form are to publicly accessible sites

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, 2023 and June 30, 2024 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 (publicly available 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)			
<input checked="" type="checkbox"/> Bacteria/Pathogens	<input type="checkbox"/> Chloride	<input type="checkbox"/> Nitrogen	<input type="checkbox"/> Phosphorus
<input type="checkbox"/> Solids/ Oil/ Grease (Hydrocarbons)/ Metals			
TMDL(s)			
<i>In State:</i>	<input type="checkbox"/> Assabet River Phosphorus	<input checked="" type="checkbox"/> Bacteria and Pathogen	<input type="checkbox"/> Cape Cod Nitrogen
	<input type="checkbox"/> Charles River Watershed Phosphorus	<input type="checkbox"/> Lake and Pond Phosphorus	
<i>Out of State:</i>	<input type="checkbox"/> Bacteria/Pathogens	<input type="checkbox"/> Metals	<input type="checkbox"/> Nitrogen
			<input type="checkbox"/> 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.

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 publicly available website:

- Updated system map due in year 10 with information from completed catchment investigations
- Provided training to employees involved in IDDE program within the reporting period
- Properly stored and disposed of catch basin cleanings and street sweepings so they did not discharge to receiving waters
- All curbed roadways were swept at least once within the reporting period
- Enclosed all road salt storage piles or facilities and implemented winter road maintenance procedures to minimize the use of road salt
- Implemented SWPPPs for all permittee owned or operated maintenance garages, public works yards, transfer stations, and other waste handling facilities

- Updated inventory of all permittee owned facilities as necessary
- O&M programs for all permittee owned facilities have been completed and updated as necessary
- Implemented all maintenance procedures for permittee owned facilities in accordance with O&M programs
- Implemented program for MS4 infrastructure maintenance to reduce the discharge of pollutants
- Inspected all permittee owned treatment structures (excluding catch basins)

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

Bacteria/ Pathogens (Combination of Impaired Waters Requirements and TMDL Requirements as Applicable)

Annual Requirements

*Public Education and Outreach**

- Annual message was distributed encouraging the proper management of pet waste, including noting any existing ordinances where appropriate
- Permittee or its agents disseminated educational material to dog owners at the time of issuance or renewal of dog license, or other appropriate time
- Provided information to owners of septic systems about proper maintenance in any catchment that discharges to a water body impaired for bacteria
 - This is not applicable because there are no septic systems present

** 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:

Septic systems are not documented and there are <1% septic systems in Marblehead. At the time of home sales and inspection, if identified, instructions on how to connect to the sanitary sewer are provided. Messages regarding septic systems are also available via Greenscape outreach materials.

Optional: Use the box below to provide any additional information you would like to share as part of your self-assessment:

The Town focused on GIS upgrades to improve efficiency of IDDE inspections during PY6. The Enterprise Portal/AGOL was fully operational in April 2024. A catch basin inspection form was implemented and linked to GIS data. The Town contracted with Woodard & Curran in June 2024 to assist with MS4 tasks such as catchment investigations, mapping support, and general MS4 compliance assistance.

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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:

According to the Final Massachusetts Integrated List of Waters for the Clean Water Act 2022 Reporting Cycle, Salem Sound and Marblehead Harbor all remained Category 5 waters.
According to the Final Massachusetts Integrated List of Water for the Clean Water Act 2018/2020 Reporting Cycle, Salem Sound and Marblehead Harbor were updated to Category 5 waters. These waterbodies had previously been identified as Category 4A waters in 2016.

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:1.1 Public Presentation: SWMP Presentation and Public Hearing

Message Description and Distribution Method:

SWMP Presentation and Public Hearing at 6/26/24 Select Board Meeting

Targeted Audience:

Responsible Department/Parties:

Measurable Goal(s):

Hybrid meeting with all board members present. Meeting was recorded.

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: 1.2 Newsletter - Flow and Go

Message Description and Distribution Method:

Sent quarterly newsletter in water and sewer bills with various topics. Topics included drinking water upgrades, storm drain library program, water/sewer requirements when selling property, new sewer metering program, backflow preventers, capital improvement projects, and I/I reduction.

Targeted Audience:

Responsible Department/Parties:

Measurable Goal(s):

8,000 residents reached with the mailers each quarter.

Message Date(s): Quarterly

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:1.3 Pet Waste Flyers

Message Description and Distribution Method:

Pet waste flyers were posted on utility poles in the Goldthwait Neighborhood and in the Winthrop/Conant Neighborhood in June 2024. These areas had been identified during catch basin cleaning as having pet waste bags disposed in a concentrated area.

Targeted Audience: Residents

Responsible Department/Parties: DPW Operations

Measurable Goal(s):

Distributed 100 Flyers

Message Date(s): June 2024

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: 1.4 Highway Message Boards

Message Description and Distribution Method:

Highway message boards stated "CLEAN LEAVES FROM DRAINS & CATCH BASINS".

Targeted Audience: Residents

Responsible Department/Parties: DPW Operations

Measurable Goal(s):

Messages visible to motorists for approximately 35 days.

Message Date(s): September-October 2023 and March-April 2024

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: 1.5 Outfall Signage Update

Message Description and Distribution Method:

Updated signage was installed at the following outfalls: Riverhead, Stramskis, and Grace Olivers. Town staff also engaged with Sustainable Marblehead (local nonprofit) regarding the signage installation. The updates sign states "Caution: Water flowing from this drainage pipe may be unsafe for human contact. Do not play or swim near outlet flow".

Targeted Audience: Residents

Responsible Department/Parties: DPW Operations

Measurable Goal(s):

Message boards are intended to be visible by the public year round at 10 locations.

Message Date(s): Permanent signage installed June 2023, however this BMP was not included in the PY5 report.

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: 1.6 RESUMP Program

Message Description and Distribution Method:

The Marblehead Sump Redirection Program (RESUMP) is a public outreach and education program sponsored by the Marblehead Water and Sewer Commission. The program encourages residents to check to see if their sump pump connections are legally installed into the drainage system and not the sewer system. If homeowners cannot connect to the drainage system, they must ensure their sump pump doesn't drain in any way that causes hazard or potential hazard to the roadway.

Targeted Audience: Residents

Responsible Department/Parties: DPW Operations

Measurable Goal(s):

Program data is available year round on the public website. Notice and cessation of SSO's published within 24

hours.

Message Date(s): July 1, 2023 - June 30, 2024

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: 1.7 Drains, Pains, and Coastal Water Quality (MHTV Broadcast)

Message Description and Distribution Method:

The last lecture in the 2024 Underwater in Salem Sound lecture series addresses the challenges facing Salem Sound water quality including aging infrastructure, sewer backups and illicit connections to the stormwater drain system. Learn how Salem Sound Coastwatch monitors beach water quality and how people can volunteer to help. (<https://marbleheadtv.org/episodes/salem-sound-coastwatch-drains-pains-and-coastal-water-quality-4-10-24/>)

Targeted Audience: Residents

Responsible Department/Parties: DPW Operations

Measurable Goal(s):

Publicly available since the date of posting.

Message Date(s): April 10, 2024

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: 1.8 Social Media - Pet Waste ("Scoop the Poop")

Message Description and Distribution Method:

Social media content informing residents the impact pet waste has on nearby watersheds.
<https://greenscapes.org/resources-socialmedia/>

Targeted Audience: Residents

Responsible Department/Parties: DPW Operations

Measurable Goal(s):

Facebook: 36 impressions

Instagram: 99 impressions, 14 likes

Message Date(s): August 16th, 2023

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: 1.9 Social Media - Septic Smart

Message Description and Distribution Method:

Social media content providing information on proper septic tank maintenance, reminding residents to routinely pump the tank.

<https://greenscapes.org/resources-socialmedia/>

Targeted Audience: Residents

Responsible Department/Parties: DPW Operations

Measurable Goal(s):

Facebook: 136 impressions, 6 likes

Instagram: 41 impressions, 6 likes

Message Date(s): September 20th, 2023

Message Completed for: Appendix F Requirements Appendix H Requirements

Was this message different than what was proposed in your NOI? Yes No

If yes, describe why the change was made:

BMP: 1.10 Website Posting - Rain Gardens

Message Description and Distribution Method:

Website posting with two pages outlining the purpose of rain gardens, different types of plants that can be used in rain gardens, a tool list, and actionable steps to creating a rain garden.

Targeted Audience: Residents

Responsible Department/Parties: DPW Operations

Measurable Goal(s):

Available year round via the Towns Stormwater Program Website.

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: 1.11 Website Posting - Greenscapes Guide

Message Description and Distribution Method:

The Greenscapes Guide is a 26 page magazine that covers sustainable landscaping tips, stormwater management tips for homeowners, and ways to conserve water use. These guides are distributed at every school program Greenscapes conducted this year. A digital version can be found on our website, under Resources: <https://greenscapes.org/greenscapes-guide/>

Targeted Audience: Residents

Responsible Department/Parties: DPW Operations

Measurable Goal(s):

3,000 Greenscapes Guides distributed at school programs.

Message Date(s): Various dates between September 2023 - June 2024

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: 1.12 Website Posting - "Rain and Snow are Clean, Right?"

Message Description and Distribution Method:

Two-page website posting highlighting that polluted stormwater is a threat to waterbodies. The material also outlines what MS4 is and how residents can help create cleaner waterbodies and healthier places for swimming/boating/fishing.

Targeted Audience: Residents

Responsible Department/Parties: DPW Operations

Measurable Goal(s):

Available year round via the Towns Stormwater Program Website.

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: 1.13 Social Media - What is a Storm Drain?

Message Description and Distribution Method:

Social media content informing viewers the purpose storm drains serve and the importance of clearing them when they are clogged.

<https://greenscapes.org/resources-socialmedia/>

Targeted Audience:

Responsible Department/Parties:

Measurable Goal(s):

Facebook: 31 impressions

Instagram: 47 impressions, 10 likes, 1 share.

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: 1.14 Website Posting - Freddy the Fish Teaches About Stormwater

Message Description and Distribution Method:

Website posting with a link to a YouTube video. Video shows Freddy the Fish teaching about what happens to rain after it hits the ground, where storm drains lead to, and what people can do to help prevent water pollution.

Targeted Audience:

Responsible Department/Parties:

Measurable Goal(s):

95,423 total views on YouTube.

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: 1.15 Social Media - Yard Waste Disposal

Message Description and Distribution Method:

Social media content sharing how to properly dispose of yard waste and to never place waste in wetlands.
<https://greenscapes.org/resources-socialmedia/>

Targeted Audience: Residents

Responsible Department/Parties: DPW Operations

Measurable Goal(s):

Facebook: 68 impressions, 1 share
 Instagram: 50 impressions, 5 likes, 1 share.

Message Date(s): October 11th, 2023

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: 1.16 Social Media - Swimming Pools and Water Quality

Message Description and Distribution Method:

Social media flier to educate residents on proper pool drainage to reduce chlorinated water from entering our water ways.
<https://greenscapes.org/resources-socialmedia/>

Targeted Audience: Residents

Responsible Department/Parties: DPW Operations

Measurable Goal(s):

Facebook: 37 impressions
 Instagram: 37 impressions, 3 likes

Message Date(s): October 18th, 2023

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: 1.17 Social Media - Save Your Drain

Message Description and Distribution Method:

Social media content reminding residents to never put oils, fats, or grease down their drains.
<https://greenscapes.org/resources-socialmedia/>

Targeted Audience: Residents

Responsible Department/Parties: DPW Operations

Measurable Goal(s):

Facebook: 33 impressions
 Instagram: 38 impressions, 3 likes

Message Date(s): November 22nd, 2023

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: 1.18 Social Media - Salt Goes Where Water Flows

Message Description and Distribution Method:

Social media content that provided the dangers of road salt. Post included environmental friendly options to reduce salt in local bodies of water.
<https://greenscapes.org/resources-socialmedia/>

Targeted Audience: Residents

Responsible Department/Parties: DPW Operations

Measurable Goal(s):

Facebook: 45 impressions, 4 likes
 Instagram: 46 impressions, 7 likes

Message Date(s): December 14th, 2023

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: 1.19 Print Material - Salt Goes Where Water Flows Flyer

Message Description and Distribution Method:

Flyer that provides the dangers of road salt and environmentally friendly alternatives.
<https://greenscapes.org/resources-socialmedia/>

Targeted Audience: Residents

Responsible Department/Parties: DPW Operations

Measurable Goal(s):

Distributed to 90 Greenscapes Municipal members.

Message Date(s): December 14th, 2023

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: 1.20 Social Media - Consider Native Plants

Message Description and Distribution Method:

Social media content sharing the benefits native species provide, requiring no fertilizer and less water.
<https://greenscapes.org/resources-socialmedia/>

Targeted Audience: Residents

Responsible Department/Parties: DPW Operations

Measurable Goal(s):

Facebook: 49 impressions, 3 likes, 1 share
 Instagram: 41 impressions, 11 likes, 1 share

Message Date(s): May 24th, 2024

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: 1.21 Tabling Event - Marblehead Farmer's Market

Message Description and Distribution Method:

Event attended by Greenscapes personnel where printed materials were provided.

Targeted Audience: Residents

Responsible Department/Parties: DPW Operations

Measurable Goal(s):

30 participants

Message Date(s): July 8th, 2023

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:**

The Town of Marblehead maintains the SWMP and keeps it posted on the City's website where it is available to the public audience to review it. The SWMP was presented to the select board on 6/26/2024. This was advertised as a public hearing following the public meeting law with a legal ad in the newspaper. An opportunity for public comment was provided at the select board meeting. An opportunity for public comment was also available in comment submissions platform on the Town's stormwater website.

Was this opportunity different than what was proposed in your NOI? Yes No

Describe any other public involvement or participation opportunities conducted **during this reporting period:**

The SWMP is also found on the Marblehead website with the ability to comment via email. A phone contact

number for the Drain department is also available.

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

Percent of Phase II map complete:

Optional: Provide additional status information regarding your map:

Mapping is continually updated as additional infrastructure is located or installed during catchment investigations or capital improvement activities.

In support of ongoing mapping and asset management, DPW launched an Enterprise Portal/AGOL in April of 2024, finalized a CB investigation form in PY6, and utilizes VUEworks for asset management.

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 above referenced outfall screening data is attached to the email submission
- The above referenced outfall screening data can be found at the following publicly available 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:

There are 127 known outfall locations in the Town's MS4. Outfall Screening completed in by the EPA can be viewed in Appendix B of the PY5 Annual Report.

Visual Inspections of the following Outfalls were performed during PY6. These inspections did not include dry or wet weather screening.

September 20th, 2023

Babbling Brook

Bradleys End

March 3rd, 2024

Stramkis

Mooring Rd.

Barnaget

Mill Pond

Babbling Brook

Norman

Harvard Ave

Ocean Ave

Nahant St.

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 publicly available 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:

All sewer permits issued in FY24 that maintained existing lateral pipe was inspected and CCTV camera footage was submitted to the Commission for review and acceptance. Any defects identified required additional repair actions.

Storm Sewer CCTV was performed along sections of the following corridors.

1. Edgemere Rd.
2. West St.
3. Beverly Ave
4. Harbor Ave
5. Anderson St.

6. Fort Beach Lane

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 publicly available 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:

Additional illicit discharge identification and removal information for PY6 is provided in Appendix B.

Employee Training

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

The employees of the DPW, Water, Sewer, and Planning Department staff were trained during this reporting period at an event on June 6, 2024. The training provided an introduction to IDDE, illicit discharge overview, how to find illicit discharges, preventing pollution in Marblehead, 2024 IDDE updates, and general field safety. A total of 15 staff were trained.

MCM4: Construction Site Stormwater Runoff Control

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

Number of site plan reviews completed:

Number of inspections completed:

Number of enforcement actions taken:

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

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

Ordinance or Regulatory Mechanism

Date update was completed (due in year 3):

Website of ordinance or regulatory mechanism:

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:

As-Built plans for the Mariner project (263-269 Pleasant Street) were reviewed in October 2023.

Street Design and Parking Lots Report

Below, describe any changes made or planned to be made to local regulations and guidelines based on the report completed in Year 4:

Green Infrastructure Report

Below, describe progress towards making green infrastructure practices allowable based on the report completed in Year 4:

Retrofit Properties Inventory

Below, list remaining permittee-owned properties that could be modified or retrofitted with BMPs to mitigate impervious areas (must maintain a minimum of 5 sites in inventory until less than 5 sites remain):

The Town has submitted a grant in June 2024 requesting funding for a green infrastructure project in FY24. The project includes the School Street Parking Lot, identified in the Green Infrastructure Feasibility Report and as part of the inventory of municipal properties. This project would also incorporate drainage upgrades and incorporation of green infrastructure in the 5-corner intersection, located within the Riverhead Catchment Area.

Below, list all properties that have been modified or retrofitted with BMPs to mitigate impervious area that were inventoried as part of 2.3.6.d of the permit and the type of BMP(s) implemented. Non-MS4 owned properties that have been modified or retrofitted with BMPs to mitigate impervious area may also be listed, but must be indicated as non-MS4.

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:

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:

Quarterly visual inspections occurred at SWMPPP locations (DPW facility, Transfer Station, Parks Garage, and MMLD Facility) and no however inspection forms were not completed. Additional inspections occurred at the MMLD facility during ongoing site and fence work and DPW staff required deployment of silt sock near earthwork area and adjacent drains.

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 publicly available 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:

See attached results from the Salem Sound Coastwatch. From June to August, water samples are taken from streams and outfall pipes as they empty onto our coastal beaches. All samples are tested for Enterococcus. Additionally, the Town conducts beach sampling via the Board of Health. The sampling data is available online. (<https://www.mass.gov/beach-water-quality>)

Additional Information

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.

Drainage improvements to 3 Tower Way (DPW Facility) were completed in house in advance of repaving planned, consisting of moving existing catch basin upstream of new fueling station.

Year 7

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

Yes, I agree

- Complete investigations of catchments associated with Problem Outfalls
- Complete investigations of catchments where any information gathered on the outfall/interconnection identifies sewer input

Annual Requirements

- Annual report submitted and available to the public
- Annual opportunity for public participation in review and implementation of SWMP
- Keep records relating to the permit available for 5 years and make available to the public
- Properly store and dispose of catch basin cleanings and street sweepings so they do not discharge to receiving waters
- Annual training to employees involved in IDDE program

- Update inventory of all known locations where SSOs have discharged to the MS4
- Continue public education and outreach program
- Update outfall and interconnection inventory and priority ranking and include data collected in connection with the dry weather screening and other relevant inspections conducted
- Implement IDDE program
- Review site plans of construction sites as part of the construction stormwater runoff control program
- Conduct site inspection of construction sites as necessary
- Inspect and maintain stormwater treatment structures
- Log catch basins cleaned or inspected
- Sweep all curbed streets at least annually
- Continue investigations of catchments associated with Problem Outfalls
- Implemented SWPPPs for all permittee owned or operated maintenance garages, public works yards, transfer stations, and other waste handling facilities
- Review inventory of all permittee owned facilities in the categories of parks and open space, buildings and facilities, and vehicles and equipment; update if necessary
- Review O&M programs for all permittee owned facilities; update if necessary
- Implement all maintenance procedures for permittee owned facilities in accordance with O&M programs
- Implement program for MS4 infrastructure maintenance to reduce the discharge of pollutants
- Enclose all road salt storage piles or facilities and implemented winter road maintenance procedures to minimize the use of road salt
- Review as-built drawings for new and redevelopment to ensure compliance with post construction bylaws, regulations, or regulatory mechanism consistent with permit requirements
- Inspect all permittee owned treatment structures (excluding catch basins)
- Identify additional permittee-owned properties that could potentially be modified or retrofitted with BMPs to reduce impervious areas so that the permittee maintains a minimum of 5 sites in their inventory, until such a time when the permittee has less than 5 sites remaining

Provide any additional details on activities planned for permit year 7 below:

Part V: Certification of Small MS4 Annual Report 2024

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.

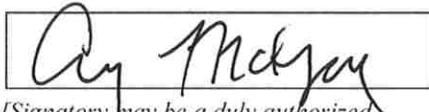
Name:

Amy McHugh

Title:

Director of Public Works

Signature:



Date:

9/27/24

[Signatory may be a duly authorized representative]