

**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)**

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.

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:

The Town will begin catchment investigations and mapping in PY 7. The town will update the system map based on the results of the catchment investigations. We are working with our IT department and stormwater consultants on this effort.

The Town inspected many, but not all permittee owned treatment structures. The Town installed and inspected a few new stormwater treatment systems in PY 6. The as-builts for these systems will be used to update mapping in PY 7. The DPW, Planning, and Conservation departments continue to work together to update the inventory of treatment structures, both public and private, and conduct inspections. The DPW continues to work with the Schools to identify and inspect stormwater BMPs on school properties.

### **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:

### **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)

*Structural BMPs*

- Installed a structural BMP as a demonstration project within the drainage area of the water quality limited water or its tributaries. The type of BMP installed is (*e.g. biofiltration*):

The Town hired Tighe & Bond to evaluate potential structural BMPs that could be installed to optimize phosphorus removal within the Whitehall Reservoir Watershed. The Town has limited Town-owned property in Whitehall Reservoir Watershed and most of the viable locations for BMPs are within the Whitehall State Park. Tighe & Bond provided recommendations for the rehabilitation of three Town-owned BMPs in the Sylvan Way subdivision. Upon further evaluation of the three recommended BMP retrofits, the Town decided that the rehabilitation of these BMPs did not meet the intent of the permit of installing a BMP within a catchment area with a high phosphorus load potential. The Town opted to explore other options for a demonstration project that would better optimize phosphorus removal. The Town reached out to and obtained DCR's support to conduct a feasibility study to install BMPs in the Longwood Drive catchment, which was identified as a higher priority for phosphorus removal and impacts to the Whitehall Reservoir than the Sylvan Way BMPs. The Town is currently conducting that study and intends to install a structural BMP recommended from that study, in partnership with DCR.

- 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.
  - No BMPs were installed
  - The above referenced BMP information is attached to the email submission
  - The above referenced BMP information can be found at the following publicly available website:

Total estimated phosphorus removed in **lbs/year** from the installed BMPs:

*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:

Below, calculate your current phosphorus export rate by first filling out the individual phosphorus loading components (labeled [A], [B], [C], and [D]) and then computing your current phosphorus export rate using the equation provided.

Baseline phosphorus export rate from PCP Area, as identified in Appendix F (lbs/year) [A]:	617
Total phosphorus reduction from all nonstructural controls implemented <b>this reporting period</b> (lbs/year) [B]:	5.4
Total phosphorus reduction from all structural controls installed this reporting period and all previous years (lbs/year) [C]:	0
Phosphorus load increase due to development incurred since 2005 in lbs/year [D]:	-71

Current phosphorus export rate from the PCP Area in lbs/year [=A-(B+C)+D from above]: 540.6

- I certify under penalty of law that all source control and treatment Best Management Practices being claimed for phosphorus reduction credit have been inspected, maintained and repaired in accordance
- with manufacturer or design specification. I certify that, to the best of my knowledge, all Best Management Practices being claimed for a phosphorus reduction credit are performing as originally designed.
  - All municipally owned and maintained turf grass areas are being managed in accordance with Massachusetts Regulation 331 CMR 31 pertaining to proper use of fertilizers on turf grasses
  - Implemented all nonstructural control measures **during this reporting period** and documented the measures and their phosphorus reduction. The nonstructural control measure information:
    - is attached to the email submission
    - can be found at the following publicly available website:

chrome-extension://efaidnbmnnnibpcajpcglclefindmkaj/https://cms5.revize.com/revize/hopkinton/PCP\_Hopkinton\_Final\_compiled.pdf

- Documented the structural control measures implemented during **this reporting period and all previous years**, including location, phosphorus reduction in mass/year, and date of last completed maintenance and inspection for each control. The structural control measure information:
  - is not applicable; no structural control measures were implemented
  - is attached to the email submission
  - can be found at the following publicly available website:

chrome-extension://efaidnbmnnnibpcajpcglclefindmkaj/https://cms5.revize.com/revize/hopkinton/PCP\_Hopkinton\_Final\_compiled.pdf

The Phase 1 PCP: (select one of the following options. If you submitted your PCP last year and have an updated website, please include the website below)

- was submitted in the Year 5 Annual Report
- is attached to the email submission
- can be found at the following publicly available website:

chrome-extension://efaidnbmnnnibpcajpcglclefindmkaj/https://cms5.revize.com/revize/hopkinton/PCP\_Hopkinton\_Final\_compiled.pdf

*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:

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***NON-TRADITIONAL AND TRANSPORTATION MS4s ONLY-*** municipalities please skip this section:

Describe the planned phosphorus reduction activities on site and coordination progress with the applicable municipality:

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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:

### **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:

## 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: Education and Outreach to Residents: Leaf Litter and Recycling**

Message Description and Distribution Method:

From October 1, 2023, through November 30, 2023, the Central Massachusetts Regional Stormwater Coalition (CMRSWC) distributed messages through social media to target leaf/yard waste activities that have the potential to impact the quality of water quality. The Town of Hopkinton is a member of CMRSWC.

The Town continues to post proper recycling methods on the Trash and Recycling webpage and advertised 'Leaf and Brush Drop-off' (leaves, brush, grass clippings) collection days at the Hopkinton Recycling Center. The webpage also contains links to RecyclingWorks and RecycleSmart (a website that helps determine which items can be appropriately recycled).

The Town Website promotes the annual Household Hazardous Waste Collection Day (July 29, 2023).

Targeted Audience:

Responsible Department/Parties:

Measurable Goal(s):

See the attached CMRSWC Report.

Trash and recycling information, and Household Hazardous Waste Collection Day info were made available to the general public on the Town website.

Message Date(s):   
Website education: 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:



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#### **BMP: Public Education and Outreach to Developers: Sediment and Erosion Control**

**Message Description and Distribution Method:**

The CMRSWC distributed messages through social media to target the activities of the developers and contractors and employees that have the potential to impact the quality of water quality.

The Town's DPW webpage contains a ThinkBlue Massachusetts "Stop Erosion in its Tracks To Keep Our Waters Clean " brochure. The brochure contains tips for preventing stormwater pollution and encourages erosion and sediment controls practices to protect and maintain silt fences, storm drain inlets, and construction entrances.

Targeted Audience:

Responsible Department/Parties:

**Measurable Goal(s):**

See the attached CMRSWC Report.  
The brochure is available to all visitors of the Town 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: Education and Outreach to Residents: Yard Waste and Fertilizer Use****Message Description and Distribution Method:**

The CMRSWC distributed messages through social media to target residential activities that have the potential to impact the quality of water quality.

The Town DPW webpage includes multiple educational flyers on yard waste and fertilizer application. One flyer explains how fertilizing lawn in excess can result in it entering conveyance systems flowing into lakes or streams. The flyer also explains how this fertilizer can negatively affect the water bodies. Another flyer offers different options for proper disposal of leaf litter.

The Hopkinton Sustainable Green Committee website contains several resources promoting sustainable and environmentally responsible practices, including a dedicated section for lawn care. The section contains links and information relating to using native plants, avoiding using harmful pesticides, and tips for fertilizers and pesticides.

The Lake Maspenock Preservation Association sent out e-newsletters and posted information on their website and fertilizer use and reducing nutrient runoff into the lake.

Targeted Audience:

Responsible Department/Parties:

Measurable Goal(s):

See the attached CMRSWC Report.  
The educational messages are available to all visitors of the websites.

Message Date(s): CMRSWC messages October 1, 2023, through June 30, 2024.  
Town and HopGreen websites, continuous.

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: Education and Outreach to Residents, Business, & Industry: Winter Deicing Messages**

Message Description and Distribution Method:

CMRSWC distributed messages through social media to target deicing activities that have the potential to impact the quality of water quality.

Targeted Audience: Residents

Responsible Department/Parties: CMRSWC

Measurable Goal(s):

See CMRSWC report attached.

Message Date(s): November 1, 2023, through February 28, 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: Lawn Care Messages**

Message Description and Distribution Method:

CMRSWC distributed messages through social media to target lawn care activities that have the potential to impact the quality of water quality.

Targeted Audience: Residents

Responsible Department/Parties: CMRSWC

Measurable Goal(s):

See CMRSWC report attached.

Message Date(s): March 1, 2024, through May 31, 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: Pet Waste Messages**

Message Description and Distribution Method:

CMRSWC distributed messages through social media to target pet waste activities that have the potential to impact the quality of water quality.

The Town posted information about proper disposal of pet waste at the Town's dog park and at several popular dog walking trails.

The Town DPW website has a ThinkBlue Massachusetts flyer addressing the proper management of pet waste. The Town Water & Sewer Department website has a "Dog Walking Near Drinking Wells" MassDEP flyer which explains how improper disposal of pet waste can impact local waterways.

Targeted Audience: Residents

Responsible Department/Parties: DPW/CMRSWC

Measurable Goal(s):

See attached CMRSWC report.  
All visitors to the Town's website are able to view and download educational materials.

Message Date(s): CMRSWC messages: June 1, 2024, through June 30, 2024  
Website: Ongoing

Message Completed for: Appendix F Requirements  Appendix H Requirements

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

If yes, describe why the change was made:

**BMP: Public Education and Outreach: Water Quality Report**

Message Description and Distribution Method:

The Town's 2023 Annual Water Quality Report addressed stormwater management and how residents,

businesses, and industrial facilities can help reduce stormwater pollution. The report explained how pesticides, herbicides, or lawn chemicals can make their way into the water supply. The report also educates on the storage of oil, gasoline, and other potential hazards and gives information about proper disposal. The report includes information about the Town's yearly hazardous waste collection day.

Targeted Audience: Residents

Responsible Department/Parties: Hopkinton Water Department

Measurable Goal(s):

The report was distributed to all Town properties and was shared on the DPW's Facebook page which has approximately 400 followers.

Message Date(s): May 29, 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: Public Education and Outreach: Septic System Maintenance**

Message Description and Distribution Method:

The Board of Health Frequently Asked Questions webpage includes information on proper septic system maintenance. It is available for the public to view at any time.

CMRSWC distributed messages through social media to target septic system maintenance activities (bacteria/pathogens) that have the potential to impact the quality of water quality.

Targeted Audience: Residents

Responsible Department/Parties: Board of Health/CMRSWC

Measurable Goal(s):

Educational information is available to all visitors of the Board of Health webpage. See CMRSWC report.

Message Date(s): Health Department Website: Ongoing  
CMRSWC: July 1, 2024, through 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: Commercial Business Messages**

Message Description and Distribution Method:

CMRSWC distributed messages through social media to target the activities of the commercial business and employees that have the potential to impact the quality of water quality.

Targeted Audience: Businesses, institutions and commercial facilities

Responsible Department/Parties: CMRSWC

Measurable Goal(s):

See attached CMRSWC report.

Message Date(s): October 1, 2023, through 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: Public Education and Outreach to Industrial Facilities**

Message Description and Distribution Method:

The Town's Stormwater webpage contains a link to educational brochure tailored to industrial facilities regarding stormwater pollution prevention.

CMRSWC distributed messages through social media to target the activities of industry and employees that have the potential to impact the quality of water quality.

Targeted Audience: Industrial facilities

Responsible Department/Parties: DPW/CMRSWC

Measurable Goal(s):

All visitors to the webpage are able to view and download the educational material.

See the attached CMRSWC report.

Message Date(s): Stormwater webpage: Ongoing  
CMRSWC: October 1, 2023, through 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: Developers and Contractors Messages**

Message Description and Distribution Method:

CMRSWC distributed messages through social media to target the activities of the developers and contractors and employees that have the potential to impact the quality of water quality.

Targeted Audience: Developers (contractors)

Responsible Department/Parties: CMRSWC

Measurable Goal(s):

See CMRSWC report.

Message Date(s): October 1, 2023, through 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:

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 kept the SWMP posted to its website for the entirety of the reporting period. The SWMP will continue to be made available on the Town's website for public review and comment.

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

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

The Town hosted cleanup events during the reporting period: Annual Fall Lake Whitehall cleanup sponsored by Friends of Whitehall (10/21/2023) and the Annual Sandy Beach/ Lake Maspenock clean up sponsored by

Lake Maspenock Preservation Association (4/6/24). The Charles River Watershed Association held an annual Earth Day Clean Up to clean up trash along the Charles River (4/20/2024).

Several local organizations including the Conservation Commission, the Hopkinton Sustainable Green Committee, the Hopkinton Trails Club, the Lake Maspenock Preservation Association, and Scouts discussed stormwater management at their meetings and provided opportunities for the public to participate in discussion or events.

The Town hosted a stormwater education booth at the pre-Boston Marathon activities on the Town Common near the state line the weekend before Marathon Monday (April 2024). The Town also hosted town-wide cleanup events prior to the Marathon.

The Town hosted a stormwater education booth in conjunction with the New England Water Environment Association at Framingham State University's annual "Science on State Street" STEM fair.

The DPW participated in a classroom program for 6th graders at Hopkinton Middle School in April 2024.

### **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:*

The Town is working on improving connectivity between mapped catch basins, manholes, and outfalls. The DPW and Land Use, Permitting, and Planning Department continue to work together to update mapping of BMPs from new development. The Town will refine catchment delineations following catchment investigations.

#### **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:

<https://arcg.is/01OePD>

*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:*

The town conducted additional outfall inspections in PY6 after identifying outfalls incorrectly identified as private instead of public in PY5. There are still a few outfalls that could not be accessed to screen and will be inspected as part of catchment investigations.

### **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:*

The Town has included catchment investigations in our permit year 7 work.

### **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:

### **Employee Training**

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

The Town conducted our annual employee IDDE training on June 21, 2024. The training provided an overview of the MS4 programs including types of illicit discharges and how to identify and report illicit discharges to the drainage system. 14 employees attended this training.

### **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:

No enforcement actions were taken but in-field corrections were made. The Town updated our Stormwater Regulations during this period to address MS4 requirements and update rainfall calculation data.

Empty rectangular box at the top of the page.

## 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:

Empty rectangular box for optional information.

### 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:

The Town updated our stormwater regulations, which includes guidance on street and parking lot requirements, this period (4-22-2024). The updated stormwater regulations can be found on the Planning Board's website at the below link.  
[https://drive.google.com/drive/folders/0B\\_Dg3BMNzeU4NWxtb0dPQIFOUXM?resourcekey=0-DKGoWCSCub0\\_b\\_SKbA0U7Q](https://drive.google.com/drive/folders/0B_Dg3BMNzeU4NWxtb0dPQIFOUXM?resourcekey=0-DKGoWCSCub0_b_SKbA0U7Q)

### Green Infrastructure Report

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

Green infrastructure practices were included in the April 2024 stormwater regulation updates. Additionally, the Town is working on a Climate Action Plan.

## **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 five Town-owned properties that were identified in the Town's BMP Retrofit Assessment with potential to be modified or retrofitted with BMPs:

Hopkinton Middle School - 88 Hayden Rowe (currently under construction)  
 Sandy Beach on Lake Maspenock - 4 Lake Shore Drive  
 Hopkinton Center for the Arts - 98 Hayden Rowe  
 Department of Public Works Storage Building - 66B Fruit Street  
 Pyne Field/Wastewater Treatment Plant - 66 Fruit Street

The Town continues to review and identify additional sites or infrastructures that could be retrofitted.

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.

In PY6, a BMP retrofit was installed at the Town's EMC Park.  
 Additionally, the Town acquired a new municipal parking lot at 35R Main Street that includes BMPs.

## **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:

The Town continued to update our catch basin inventory. Roof drains, duplicates, and privately owned catch basins were removed from the inventory and cleaning program.  
No catch basins were identified as being more than 50% full during two consecutive 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:  [Select Units]
- Weight of material removed:  tons

### **Stormwater Pollution Prevention Plan (SWPPP)**

Below, report on the number of site inspections for facilities that require a SWPPP completed **during this reporting period**.

Number of site inspections completed:

Describe any corrective actions taken at a facility with a SWPPP:

The Town worked with our dumpster vendor to replace the broken dumpster cover at the DPW, and with staff to ensure that the dumpster would be closed when not in use.

## **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:

Lake Maspenock Preservation Association is a non-profit organization that works to protect the quality of the lake and its watershed. The association partners with nearby towns, such as Hopkinton, to keep the community informed on important events and issues happening to the lake. The association performs water sampling

through Microbac laboratories that considers E-coli, total phosphorous, dissolved oxygen, temperature, and pH. Testing was completed in twice in PY6.

### **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.

The Town worked with our stormwater consultants on an evaluation and conceptual design project, with FEMA BRIC Grant funding, where we assessed 30 culverts throughout our system, conducted hydraulic/hydrologic (H&H) analyses on 5 of the priority sites, and created conceptual designs and cost estimates for 4 of the priority sites.

## **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.

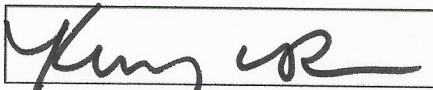
Name:

Kerry Reed

Title:

DPW Director

Signature:



Date:

9/27/2024

*[Signatory may be a duly authorized representative]*