

# 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: City of Framingham

EPA NPDES Permit Number: MAR041116

#### Primary MS4 Program Manager Contact Information

Name: Eric Johnson

Title: City Engineer

Street Address Line 1: 110 Western Avenue

Street Address Line 2: n/a

City: Framingham

State: MA

Zip Code: 01702

Email: rain@framinghamma.gov

Phone Number: 508-532-6010

#### Stormwater Management Program (SWMP) Information

SWMP Location (publicly available web address): <http://www.framinghamma.gov/3443/MS4-Permit>

Date SWMP was Last Updated: June 2024

If the SWMP is not available on the web please provide the physical address:

n/a

## 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>

<b>Impairment(s)</b>			
<input checked="" type="checkbox"/> Bacteria/Pathogens	<input type="checkbox"/> Chloride	<input type="checkbox"/> Nitrogen	<input checked="" type="checkbox"/> Phosphorus
<input checked="" type="checkbox"/> Solids/ Oil/ Grease (Hydrocarbons)/ Metals			
<b>TMDL(s)</b>			
<i>In State:</i>	<input type="checkbox"/> Assabet River Phosphorus	<input 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:

The SSO inventory is included as Appendix F of the City's Stormwater Management Plan and can be found at the following website: <https://www.framinghamma.gov/1133/Stormwater-management>

- ☒ 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:

n/a

**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:

n/a

**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*):

- ☐ 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:

Appendix F does not apply to Framingham since there are no TMDLs within the City limits. No structural water quality BMPs have been installed in the catchments for phosphorus impaired waterbodies in the regulated area by the City of Framingham or its agents. A planned demonstration project included the incorporation of tree boxes to a drainage system section that was undergoing repair. Due to staff availability, and private property issues, delays were realized in the execution of this project. Materials have been ordered and are awaiting installation. Installation is expected to be completed during Permit Year 7.

**Solids, Oil and Grease (Hydrocarbons), or Metals**

Annual Requirements

*Good Housekeeping and Pollution Prevention for Permittee Owned Operations*

- ☒ Increased street sweeping frequency of all municipal owned streets and parking lots to a schedule that targets areas with potential for high pollutant loads
- ☐ The street sweeping schedule is attached to the email submission
- ☒ The street sweeping schedule can be found at the following publicly available website:

<https://www.framinghamma.gov/2074/Urban-Street-Sweeping-Program>

- ☐ Prioritized inspection and maintenance for catch basins to ensure that no sump shall be more than 50 percent full; Cleaned catch basins more frequently if inspection and maintenance activities indicated excessive sediment or debris loadings

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

The City has a robust street sweeping schedule which includes sweeping all curbed roadways annually, urban and main roadways monthly, and downtown areas weekly. We continue to collect data to analyze and create a prioritization of catch basin cleanings. Currently, all catch basins are scheduled for annual inspections and/or cleaning.

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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:

n/a

### **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:

The Sudbury River is listed on the 2018/2020 303d list (which became effective during Permit Year 4) as having an e.coli impairment.

## 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:Household Hazardous Waste Day**

Message Description and Distribution Method:

The City hosts bi-annual Household Hazardous Waste Day events to encourage proper waste disposal. Messages were posted via social media, prominent traffic message boards in multiple locations in the City as well as on the City website.

Targeted Audience:

Responsible Department/Parties:

Measurable Goal(s):

City of Framingham Facebook post on 5/3/24 – 4 likes, 10 shares  
Framingham Public Works Facebook post on 5/4/24 – 2 shares  
Framingham Public Works Facebook post on 5/8/24 – 5 likes, 3 shares  
Framingham Public Works Facebook post on 5/10/24 – 2 likes  
City of Framingham Facebook post on 5/11/24 – no metrics

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:

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#### **BMP:Keep Storm Drains Clear**

Message Description and Distribution Method:

Facebook and Instagram posts reminding residents to keep storm drains clear of leaves and debris to prevent street flooding during heavy rain.

Targeted Audience:

Responsible Department/Parties:

## Measurable Goal(s):

Framingham Public Works Facebook post on 9/13/23 - 2 likes, 1 comment, 2 shares  
City of Framingham Facebook post on 9/13/23 - no metrics  
Framingham Public Works Facebook post on 12/10/23 - 8 likes, 2 comments, 7 shares  
City of Framingham Facebook post on 12/10/23 - 4 likes, 1 comment, 2 shares  
City of Framingham Instagram post on 12/10/23 – no metrics  
Framingham Public Works Facebook post on 1/9/24 - 1 like  
Framingham Public Works Facebook post on 3/23/24 - 4 likes, 1 share

Message Date(s): 9/13/23, 12/10/23, 1/9/24, 3/23/24

Message Completed for: Appendix F Requirements ☐ Appendix H Requirements ☐

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

If yes, describe why the change was made:

This message was in addition to the ones proposed in the NOI.

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**BMP: Winter Deicing Activities**

## Message Description and Distribution Method:

From November 1, 2023, through February 28, 2024, the Central Massachusetts Regional Stormwater Coalition distributed daily messages through social media to target deicing activities that have the potential to impact water quality.

Targeted Audience: All

Responsible Department/Parties: Central MA Regional Stormwater Coalition

## Measurable Goal(s):

3 Facebook Posts - 10 likes and reactions, 1228 people reached  
3 Instagram Posts - 3 likes and reactions, 27 people reached  
26 Twitter Posts - 8 likes and reactions, 1194 people reached

Message Date(s): 11/23-2/24

Message Completed for: Appendix F Requirements ☐ Appendix H Requirements ☐

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

If yes, describe why the change was made:

This message was in addition to the ones proposed in the NOI.

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**BMP: Lawn Care**

## Message Description and Distribution Method:

From March 1, 2024, through May 31, 2024, the Central Massachusetts Regional Stormwater Coalition distributed daily messages through social media to target lawn care activities that have the potential to impact the water quality.



Targeted Audience: All

Responsible Department/Parties: Central MA Regional Stormwater Coalition

Measurable Goal(s):

25 Facebook Posts - 45 likes and reactions, 4842 people reached

17 Instagram Posts - 9 likes and reactions, 136 people reached

79 Twitter Posts - 10 likes and reactions, 1721 people reached

Message Date(s): 3/24-5/24

Message Completed for: Appendix F Requirements ☐ Appendix H Requirements ☒

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

If yes, describe why the change was made:

This message was in addition to the ones proposed in the NOI.

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### **BMP:Pet Waste**

Message Description and Distribution Method:

From June 1, 2024, through September 30, 2024, the Central Massachusetts Regional Stormwater Coalition distributed daily messages through social media to target pet waste activities that have the potential to impact the quality of water quality.

Targeted Audience: All

Responsible Department/Parties: Central MA Regional Stormwater Coalition

Measurable Goal(s):

8 Facebook Posts - 12 likes and reactions, 1717 people reached

8 Instagram Posts - 3 likes and reactions, 45 people reached

69 Twitter Posts - 1 likes and reactions, 557 people reached

Message Date(s): 6/24

Message Completed for: Appendix F Requirements ☐ Appendix H Requirements ☒

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

If yes, describe why the change was made:

This message was in addition to the ones proposed in the NOI.

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### **BMP:Septic System Maintenance**

Message Description and Distribution Method:

From July 1, 2024, through September 30, 2024, the Central Massachusetts Regional Stormwater Coalition distributed daily messages through social media to target septic system maintenance activities (bacteria/pathogens) that have the potential to impact water quality.

Targeted Audience: All

Responsible Department/Parties: Central MA Regional Stormwater Coalition

Measurable Goal(s):

5 Facebook Posts - 3 likes and reactions, 687 people reached

5 Instagram Posts - 1 likes and reactions, 21 people reached

28 Twitter Posts - 7 likes and reactions, 510 people reached

Message Date(s): 6/24

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

If yes, describe why the change was made:

This message was in addition to the ones proposed in the NOI.

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**BMP:Leaf/ Yard Waste**

Message Description and Distribution Method:

From October 1, 2023, through November 30, 2023, the Central Massachusetts Regional Stormwater Coalition distributed daily messages through social media to target leaf/yard waste activities that have the potential to impact the quality of water quality.

Targeted Audience: All

Responsible Department/Parties: Central MA Regional Stormwater Coalition

Measurable Goal(s):

2 Facebook Posts - 1 likes and reactions, 693 people reached

2 Instagram Posts - 1 likes and reactions, 7 people reached

6 Twitter Posts - 0 likes and reactions, 707 people reached

Message Date(s): 10/23-11/23

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

If yes, describe why the change was made:

This message was in addition to the ones proposed in the NOI.

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**BMP:Residential Water Quality Impacts**

Message Description and Distribution Method:

From October 1, 2023, through June 30, 2024, the Central Massachusetts Regional Stormwater Coalition distributed daily messages through social media to target residential activities that have the potential to impact the quality of water quality.

Targeted Audience: Residents

Responsible Department/Parties: Central MA Regional Stormwater Coalition

Measurable Goal(s):

83 Facebook Posts - 149 likes and reactions, 15274 people reached

72 Instagram Posts - 32 likes and reactions, 518 people reached

460 Twitter Posts - 71 likes and reactions, 1368 people reached

Message Date(s): 10/23-6/24

Message Completed for: Appendix F Requirements ☐ Appendix H Requirements ☐

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

If yes, describe why the change was made:

This message was in addition to the ones proposed in the NOI.

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### **BMP:Commercial Water Quality Impacts**

Message Description and Distribution Method:

From October 1, 2023, through June 30, 2024, the Central Massachusetts Regional Stormwater Coalition distributed daily 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: Central MA Regional Stormwater Coalition

Measurable Goal(s):

4 Facebook Posts - 7 likes and reactions, 427 people reached

3 Instagram Posts - 1 likes and reactions, 21 people reached

30 Twitter Posts - 1 likes and reactions, 750 people reached

Message Date(s): 10/23-6/24

Message Completed for: Appendix F Requirements ☐ Appendix H Requirements ☐

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

If yes, describe why the change was made:

This message was in addition to the ones proposed in the NOI.

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### **BMP:Industrial Water Quality Impacts**

Message Description and Distribution Method:

From October 1, 2023, through June 30, 2024, the Central Massachusetts Regional Stormwater Coalition distributed daily messages through social media to target the activities of the industrial industry and employees that have the potential to impact the quality of water quality.

Targeted Audience: Industrial facilities

Responsible Department/Parties: Central MA Regional Stormwater Coalition

Measurable Goal(s):

15 Facebook Posts - 22 likes and reactions, 2274 people reached

6 Instagram Posts - 2 likes and reactions, 43 people reached

63 Twitter Posts - 6 likes and reactions, 2840 people reached

Message Date(s): 10/23-6/24

Message Completed for: Appendix F Requirements ☐ Appendix H Requirements ☐

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

If yes, describe why the change was made:

This message was in addition to the ones proposed in the NOI.

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### **BMP:Developers & Contractors Water Quality Impacts**

Message Description and Distribution Method:

From October 1, 2023, through June 30, 2024, the Central Massachusetts Regional Stormwater Coalition distributed daily 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 (construction)

Responsible Department/Parties: Central MA Regional Stormwater Coalition

Measurable Goal(s):

8 Facebook Posts - 12 likes and reactions, 1761 people reached

8 Instagram Posts - 1 likes and reactions, 48 people reached

36 Twitter Posts - 4 likes and reactions, 2128 people reached

Message Date(s): 10/23-6/24

Message Completed for: Appendix F Requirements ☐ Appendix H Requirements ☐

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

If yes, describe why the change was made:

This message was in addition to the ones proposed in the NOI.

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### **BMP:Public Works Operations Posts**

Message Description and Distribution Method:

The City regularly posts tips on social media about proper recycling for curbside bins, availability of recycling center and yard waste facility, electronics recycling days, street sweeping schedules, brush collection, sanitation schedules including holiday tree collection, and leaf and brush collection, to inform residents about public works operations. Flooding tips from MEMA were also shared.

Targeted Audience: Residents

Responsible Department/Parties: City/ DPW

Measurable Goal(s):

Metrics not obtained.

Message Date(s): Permit Year 6

Message Completed for: Appendix F Requirements ☐ Appendix H Requirements ☐

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

If yes, describe why the change was made:

This message was in addition to the ones proposed in the NOI.

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### **BMP:Community Events Posts**

Message Description and Distribution Method:

The City regularly shares social media posts about community cleanup efforts lead by community group Keep Framingham Beautiful and efforts by student groups including the High School Environmental Club and the KFB Student chapter at the high school, as well as community events including Earth Day Fest, Arbor Day and sustainability tips.

Targeted Audience: Residents

Responsible Department/Parties: City/ DPW

Measurable Goal(s):

Metrics not obtained.

Message Date(s): Permit Year 6

Message Completed for: Appendix F Requirements ☐ Appendix H Requirements ☐

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

If yes, describe why the change was made:

This message was in addition to the ones proposed in the NOI.

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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 City's Stormwater Management Plan is posted on the City's website at <https://www.framinghamma.gov/1133/Stormwater-Management>.

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:**

-DPW hosted Household Hazardous Waste Day on Saturday September 23, 2023 (139 residents participated) and Saturday May 11, 2024.

-The City's participation in public events to educate and involve the public on the City's stormwater management efforts were limited due to staff shortages.

-DPW engaged with the FHS Environmental Awareness Club.

-DPW presented to Potter Road 5th grade science classes with the Enviroscope watershed and Ward's floodplain models. Approximately 100 students participated. Distributed Dwayne coloring books. February 1-2, 2024.

-DPW presented to McCarthy Elementary 5th grade science classes with the Enviroscope watershed and Ward's floodplain models. Approximately 100 students participated. Distributed Dwayne coloring books. February 7-8, 2024.

-Framingham Conservation Assistant agent and Commission members staffed a booth at Framingham Earth Day Festival, April 27, 2024 on the Centre Common, which included demonstrations using the Enviroscope model to demonstrate sources of water pollution and describe ways citizens can prevent pollution. Distributed coloring books, ThinkBlue Ducks, dog waste bag dispensers, and informational bookmarks & postcards.

-DPW, Conservation, Health Department and Parks & Rec provide regular updates and participate in communication with Lake Waushakum Association members and other community groups to present information on water quality and stormwater systems.

-DPW supports local litter cleanup group (Keep Framingham Beautiful) by disposing of collected debris/trash and sharing stormwater messages. Keep Framingham Beautiful members have installed drain placards.

-Lake Waushakum Association neighborhood members continue to monitor and replace as needed the drain placards installed during Permit Year 4.

-Our municipality participated in the Central Massachusetts Regional Stormwater Coalition (CMRSWC) and the Massachusetts Statewide Municipal Stormwater Coalition (Statewide Coalition).

## 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:

Framingham's municipal GIS system is a robust mapping system. As catchment investigation and other field work continue to be performed, updates are made to the GIS system to more accurately reflect system connections. As a result, adjustments and modifications occur on an on-going basis. A thorough review of all catchments is underway.

### **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:

During a comprehensive review of the outfall inspection data during Permit Year 5, it was determined that dry weather outfall screening and sampling was not performed at all outfalls due to an inability to locate or access certain outfalls; screening of these outfalls was completed during this permit year. Where outfalls still could not be located or accessed, screening was conducted at the nearest upstream structure.

Dry weather screening was completed at 111 outfalls during this reporting period. To date, all 536 known outfalls (100%) have been screened during dry weather.

Wet weather screening and sampling was performed at 51 outfalls this reporting period. To date, 90 of 536 outfalls (17%) have been sampled during wet weather conditions.



**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:*

Catchment investigations were initiated in 27 catchment areas and completed in 32 catchment areas during this reporting period. Investigations for 4 catchments were initiated during Permit Year 5 and completed during this reporting period, and investigations for 1 catchment initiated in Permit Year 5 was deemed "pending" due to ongoing construction affecting access to the drainage system. Follow-up investigations were performed in 3 catchment areas previously indicating likely sewer input due to sampling results; no evidence of illicit discharges was observed during the follow-up inspections and sampling in these catchment areas and catchment investigations are considered complete. In catchment areas with no key junction manholes, where dry weather outfall screening was completed during this reporting period and no evidence of illicit discharge was observed or indicated from sampling results, the dry weather screening was deemed sufficient, and no in-system catchment investigations are required. Based on dry weather outfall inspection data from this reporting period, 37 catchments were deemed completed with no flow observed, and 6 catchments were deemed complete with flow observed and sampling results not indicating evidence of an illicit discharge. In total, catchment investigations are complete in 308 out of 492 catchments (63%). There are 496 catchment areas in the City's GIS; during this reporting period it was determined that two of these catchment areas are privately owned, and two do not exist, bringing the total City-owned catchment count to 492. The City of Framingham currently has catchment areas with multiple outfalls and is working internally to update the stormwater mapping so that there is one delineated tributary catchment area per outfall.

**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**:

Framingham Stormwater Engineer, Highway Engineer and Highway Supervisors, who work directly with the stormwater system participated in annual IDDE training including review of proper protocols.

### **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): April 27, 2021

Website of ordinance or regulatory mechanism: <https://www.framinghamma.gov/242/Charter-Code-of-the-City-of-Framingham>

### As-built Drawings

*Below, report on the number of as-built drawings received **during this reporting period**.*

Number of as-built drawings received: 22

*Optional:* Enter any additional information relevant to the submission of as-built drawings:

If the project had a stormwater management component and the DPW received an as-built plan, whether or not the site was over 1 acre of disturbance, the City considered it for the metrics above. This number includes 3 City projects. In Permit Year 6 (FY24), 20 as-builts were received for residential and commercial building projects, and 2 as-builts were logged for City infrastructure improvements projects.

### 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 Street Design & Parking Lots report completed in Year 4 reviewed regulatory mechanisms using a list of key questions in five categories and the degree to which each mechanism was rated as Conventional, Better or Best using a system based on the Local Bylaw and Regulation Assessment Tool developed by MassAudubon. Of the 28 rankings assigned, Framingham scored 20 in the "Better" or "Best" categories and 8 in the "Conventional" category. Recent updates to Zoning Ordinances were largely focused on increasing affordability requirements. Guidelines, Rules & Regulations and Ordinances adopted by the Planning Board are in the process of being reviewed and stormwater updates will be incorporated into these discussions. The anticipated date for updates is as reported in our previous report of 2025.

### Green Infrastructure Report

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

The City's Zoning ByLaws were updated in 2018 and Planning Board Project Review Guidelines were updated in 2021, both which repeatedly emphasize the importance of low impact development (LID). Framingham requires developers completing a Site Plan Review to provide information on how the proposed project would affect local water bodies, the water table, impervious creation and stormwater runoff. Developers are encouraged to incorporate LID to mitigate stormwater runoff. Incorporating these aspects into

Plan Review provides a mechanism for the City to have input and dialogue about increasing critical concerns surrounding stormwater management.

### **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):

An inventory of at least five (5) City-owned properties that could potentially be modified or retrofitted with BMPs designed to reduce the frequency, volume and pollutant loads of stormwater discharges to and from its MS4 through the reduction of impervious area are identified in the City's SWMP. The inventory identifies if the properties are located in a drainage area for a water quality limited waterbody with additional requirements for pollutant removal. Additionally, a separate BMP retrofit list is incorporated into the Phosphorus Source Identification report for Lake Waushakum as updated this permit term.

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.

Appendix J of Stormwater Master Plan.

- Commuter Rail Parking Lot (non-MS4 owned): infiltration basin
- Farm Pond Park - skatepark: bioretention swales
- High School Junior Parking Lot: reduce pavement, installed water quality units
- Little Farm Road cul-de-sac: reduce pavement
- Fuller Middle School renovation: reduce impervious cover, add stormwater BMPs
- Speen St Pump Station: reduce impervious cover, establish pervious parking area

## **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 City collects and records % full sump data during catch basin inspections and continues to evaluate incorporating conclusions from this data into the inspection and service schedule.

### **Street Sweeping**

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

- ☐ Number of miles cleaned:
- ☐ Volume of material removed:  [Select Units]
- ☒ Weight of material removed:  [Select Units]

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

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

Number of site inspections completed:

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

One inspection occurred per quarter at each of the City facilities with SWPPPs - the DPW Operations Center, Henry Street Facility, Arthur Street Facility, Recycling Drop-off Center, and Park Maintenance & Operations Facility

## **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:

**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.

**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:

Although not specifically being utilized to meet MS4 Permit requirements, the City is currently "daylighting" the existing outfall pipe at Waushakum Beach and replacing the pipe with a vegetated surface bioretention system to optimize phosphorus removal. Construction will be completed in Permit Year 7.

**Part V: Certification of Small MS4 Annual Report 2023****40 CFR 144.32(d) Certification**

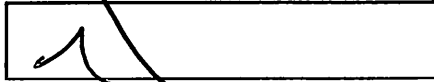
I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage 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:

Charlie Sisitsky

Title: Mayor

Signature:



Date:

9/30/24

*[Signatory may be a duly authorized representative]*