

Year 7 Annual Report

Massachusetts Small MS4 General Permit

Reporting Period: July 1, 2024-June 30, 2025

*****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, 2024 and June 30, 2025 unless otherwise requested.

Part I: Contact Information

Name of Municipality or Organization: City of Cambridge

EPA NPDES Permit Number: MAR041076

Primary MS4 Program Manager Contact Information

Name: Cambria Ung

Title: Stormwater Program Manager

Street Address Line 1: Cambridge DPW

Street Address Line 2: 147 Hampshire Street

City: Cambridge

State: MA

Zip Code: 02139

Email: cung@cambridgema.gov

Phone Number: (617) 349-9730

Stormwater Management Program (SWMP) Information

SWMP Location (publicly available web address): www.cambridgema.gov/stormwater

Date SWMP was Last Updated: Jun 20, 2025

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

NA

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 checked="" type="checkbox"/> Chloride	<input type="checkbox"/> Nitrogen	<input checked="" type="checkbox"/> Phosphorus
<input checked="" 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 checked="" 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"/> 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.

Year 7 Requirements

- ☒ Completed catchment investigations associated with Problem Outfalls
- ☒ Completed catchment investigations where information gathered on the outfall/interconnection indicated sewer input

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:

https://www.cambridgema.gov/-/media/Files/publicworksdepartment/stormwatermanagement/filesfrom92425/Cambridge_IDDE_Program_Year7_Compiled.pdf
(see Appendix C)

- ☒ 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:

NA

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 F and H for more information)*

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

NA

Chloride

Annual Requirements

Public Education and Outreach

- Included an annual message in November/ December to private road salt applicators and commercial
☒ industrial site owners on the proper storage and application rates of winter deicing material, along with the steps that can be taken to minimize salt use and protect local waterbodies

The following type(s) of salt were applied **during this reporting period (year 7)**:

- ☒ Sodium chloride
☒ Calcium chloride
☐ Potassium chloride
☒ Magnesium chloride
☒ Brine solution

Total amount of salt applied **during this reporting period (year 7) including units**:

30,000 gallons brine; 1,950 pounds calcium chloride; 9,600 pounds magnesium chloride; 3,700 tons sodium chloride

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:

Chloride was listed as a new impairment for Alewife Brook (MA71-20) in the Final 2018/2020 Massachusetts Integrated List of Waters, which was finalized in November 2021. To address this new impairment, Cambridge developed a Salt Reduction Plan within 3 years of the chloride impairment (in Permit Year 7, completed November 2024). The Salt Reduction Plan is attached to the email submission. This plan will be fully implemented within 5 years of the chloride impairment (i.e., by November 2026).

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*):

As reported in the Year 6 Annual Report, infiltration trenches, dry wells, and porous pavement were installed in 2021 (Permit Year 3) at Glacken Field, which is within the Mystic River Watershed. In Year 6, the City developed proposed signage to promote the demonstration project and support public

education around green infrastructure.

- ☒ 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:

- For sites within the Charles River watershed, see Phosphorus Control Plan Year 7 Performance Evaluation Appendix A available online at: <https://www.cambridgema.gov/Departments/publicworks/Initiatives/stormwatermanagement/annualreports>
- For sites within the Mystic River watershed, see Mystic River City BMP Inventory Year 7 available online at: <https://www.cambridgema.gov/Departments/publicworks/Initiatives/stormwatermanagement/annualreports>

Total estimated phosphorus removed in **lbs/year** from the installed BMPs: 411.8

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:

"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": The total estimated phosphorus removed from the installed BMPs reported above (411.8 lbs/year) is Citywide within separated areas. For BMPs within the Charles River watershed, City-owned BMPs total 299.5 lbs/year and privately-owned BMPs total 109.7 lb/year. For BMPs within the Mystic River watershed, City-owned BMPs total 2.6 lbs/year. Phosphorus reduction from privately owned BMPs within the Mystic River watershed is not tracked at this time.

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.cambridgema.gov/services/streetcleaning>

- ☐ 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:

"Prioritized inspection and maintenance for catch basins to ensure that no sump shall be more than 50 percent full": The City finalized the development of a Catch Basin Optimization strategy during Permit Year 2. Implementation of this Catch Basin Optimization strategy will begin with the completion of data collection

for all existing catch basins within the MS4 area. The City began tracking catch basin sediment depth during inspections at the end of Permit Year 1, and through Permit Year 7 has completed an initial inspection of 2,950 out of 3,296 catch basins within the MS4. Our catch basin optimization and prioritization program will be implemented for the cleaning of sumps greater than 50% full once all existing catch basins have had an initial cleaning and inspection.

Charles River Watershed Phosphorus TMDL

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]:

2,288

Total phosphorus reduction from all nonstructural controls implemented **this reporting period (lbs/year)** [B]:

8.5

Total phosphorus reduction from all structural controls installed this reporting period and all previous years (**lbs/year**) [C]:

409

Phosphorus load increase due to development incurred since 2005 in **lbs/year** [D]:

136

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

2,006.5

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:

See Phosphorus Control Plan Appendix II found under Permit Year 5 documents online at:
<https://www.cambridgema.gov/-/media/Files/publicworksdepartment/stormwatermanagement/charlesriverphosphoruscontrolplan.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:

See Phosphorus Control Plan Year 7 Performance Evaluation Appendix A found online under Year 7 documents at: <https://www.cambridgema.gov/Departments/publicworks/Initiatives/stormwatermanagement/annualreports>

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 load increase due to development incurred since 2005 in lb/yr [D]": The baseline load of 2,288 lbs/year reflects Cambridge's revised baseline load included in the draft 2024 MS4 Permit.

As discussed in the PCP submitted with the Year 5 annual report, the current phosphorus load also increased by 125 lbs/year to account for separated areas not included in EPA's baseline load calculations. During Permit Year 7, due to GIS mapping updates and active IDDE investigations, the City updated the PCP Implementation Area to include an additional 14.4 acres of separated areas not included in EPA's baseline load calculations. These areas contribute 19 pounds of phosphorus per year. This load was added to Cambridge's allowable load in the PCP Year 7 Evaluation, but is not reported under Line [D] because this load increase is not due to development incurred since 2005. The City's estimation of current phosphorus export rate from the PCP Area reported above follows the formula given using Lines [A], [B], [C], and [D] is 2,006.5 lbs/yr and reported in the Year 7 PCP Evaluation is 2,150 lbs/year.

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:

NA

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

NA

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:

• Year 2:

A new outfall was opened at Talbot Street at the end of June 2020 within the Charles River (MA 72-38) section of the river. This outfall was included in the updated SWMP.

Waterbody impairments for Alewife Brook (MA 71-04), Charles River (MA 72-36) and Charles River (MA 72-38) were revised based upon the Massachusetts Year 2016 Integrated List Waters. These updates were included in the updated SWMP for Year 2.

• Year 3:

A new outfall was opened at Lechmere Canal (D03D) within the Charles River (Segment MA 72-36). This outfall was included in the updated SWMP for Year 3.

• Year 4:

The listing of chloride as a new impairment to the Alewife Brook segment MA71-20 and Little River segment MA71-21 in the Final 2018/2020 §303(d) was noted, but not yet incorporated into the City's SWMP.

• Year 5:

Six (6) new outfalls were added along Lechmere Canal (D02A, D02B, D02C, D02D, D02E, and D03E) that were identified as City owned. Four (4) of these outfalls along the north side of the canal were determined to be exempt from IDDE requirements because they serve park areas only with no sanitary infrastructure nearby. Additional field investigation is required for the two (2) outfalls on the south side of the canal to determine priority ranking. These updates were incorporated into the City's SWMP and IDDE Plan in Permit Year 5.

Waterbody impairments for Alewife Brook (MA71-20), Little River (segments MA71-21 and MA71-22), Millers River (MA72-31), and Charles River (segments MA72-36 and MA72-38) were updated based upon the Final 2018/2020 Integrated List Waters. These updates were incorporated into the City's SWMP in Permit Year 5.

• Year 6:

Two (2) new outfalls were added to the City's SWMP and IDDE Plan in Permit Year 6. Outfall D02F along Lechmere Canal (Charles River Segment MA 72-36) was categorized as excluded. Construction of outfall D30 at Willard Street (Charles River Segment MA 72-38) was completed during Permit Year 6 as part of a sewer separation project and categorized as High Priority. Outfalls D02B and D03E along Lechmere Canal were categorized as excluded based on additional field investigations completed during Permit Year 6.

• Year 7:

Two (2) outfalls were recategorized from excluded to High Priority Outfalls in the City's SWMP and IDDE Plan based on updated IDDE catchment mapping.

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 - Annual Message on Grass Clippings

Message Description and Distribution Method:

- Social Media Posts: Cambridge is participating in the Mystic River Watershed Association's (MyRWA) Mystic River Stormwater Education Collaborative (Stormwater Collaborative). MyRWA posted on social media (Facebook and Instagram) about properly bagging grass clippings to prevent nutrient pollution.
- DPW Recycling E-Newsletter: Cambridge included a Clean Water Tip on proper management of grass clippings and organic yard waste in the July 2024 summer newsletter.
- Additional educational messages during this reporting period also included information on the topic of grass clippings: BlueBike Station Posters (see BMP #12).

Targeted Audience:

Responsible Department/Parties:

Measurable Goal(s):

- MyRWA Facebook post: 102 views and 98 people reached
- MyRWA Instagram post: 598 views and 474 people reached
- DPW Recycling Newsletter: 10,357 emails sent and 5,825 opened

Message Date(s):

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

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

If yes, describe why the change was made:

BMP: #2 - Annual Message on Fertilizer

Message Description and Distribution Method:

- Social Media Posts: DPW posted on social media (facebook) about proper fertilizer application and encouraging phosphorus free fertilizer.
- DPW Recycling and Forest Friends E-Newsletters: Cambridge included a Clean Water Tip on best practices for minimizing fertilizer use in the spring/summer 2025 editions.

Targeted Audience: Residents; Businesses, Institutions, and Commercial Facilities

Responsible Department/Parties: DPW

Measurable Goal(s):

- Social Media Posts: Facebook 229 impressions and 1 engagement.
- DPW Recycling E-Newsletter: 10,665 emails sent and 6,541 opened
- DPW Forest Friends E-Newsletter: 1,007 emails sent and 731 opened

Message Date(s):

- Social Media Posts: Facebook May 26, 2025
- DPW Recycling E-Newsletter: June 5, 2025
- DPW Forest Friends E-Newsletter: May 20, 2025

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

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

If yes, describe why the change was made:

NA

BMP: #3 - Annual Message on Leaf Litter

Message Description and Distribution Method:

- Social Media Posts: DPW and MyRWA posted on social media (facebook and Instagram) about the impact of leaves on water quality and encouraging proper collection and disposal.
- City of Cambridge Daily Update Email: On America Recycles Day, the City of Cambridge include information on leaves and phosphorus impacts in the daily update email.
- DPW Recycling and Forest Friends E-Newsletter: Cambridge included a Clean Water Tip in the fall E-Newsletter editions on leaf litter and encouraging proper disposal by bagging for yard waste pickup to help prevent street flooding and reduce stormwater pollution.
- Letters to Homeowners: Letters were mailed to homeowners in an area where a resident reported improper yard waste disposal in the curblane. These letters reminded residents not to sweep or dump leaves or other yard waste into gutters or storm drains and discussed the impact of yard waste disposal on water quality.
- Additional educational messages during this reporting period also included information on the topic of leaf litter, including Street Sweeping (see BMP #9).

Targeted Audience: Residents; Businesses, Institutions, and Commercial Facilities

Responsible Department/Parties: DPW, MyRWA

Measurable Goal(s):

- Social Media Posts: DPW Facebook 10/15 post 200 impressions and 51 views; DPW Facebook 11/18 post 240 impressions and 87 views; DPW Twitter 10/15 post 278 impressions; DPW Twitter 11/18 post 367 impressions; MyRWA Facebook 167 views and 140 people reached; MyRWA Instagram 767 views and 553 people reached
- City of Cambridge Daily Update Email: 15,674 emails sent, 9,009 emails opened and 115 clicks on recycling story
- DPW Forest Friends E-Newsletter: 9/13 edition 630 emails sent and 422 opened; 11/19 edition 919 emails sent and 656 opened
- DPW Recycling E-Newsletter: 10,639 emails sent and 6,193 opened

- Letters to Homeowners: 2 letters mailed
- Additional educational messages during this reporting period also included information on the topic of leaf litter, including Street Sweeping (see BMP #9).

Message Date(s):

- Social Media Posts: DPW Facebook and Twitter October 15 and November 18, 2024; MyRWA Facebook and Instagram post November 20, 2024
- City of Cambridge Daily Update Email: November 15, 2024
- DPW Forest Friends E-Newsletter: September 13 and November 19, 2024
- DPW Recycling E-Newsletter: October 18, 2024
- Letters to Homeowners: November 25, 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:

NA

BMP: #4 - Annual Message on Pet Waste

Message Description and Distribution Method:

- Social Media Posts: Cambridge DPW and the City of Cambridge posted on social media about the impact of pet waste on water quality and encouraging proper disposal. MyRWA also posted similar messages to their social media accounts.
- Fresh Pond Reservation pet waste bags: The Cambridge Water Department continued to promote the Canines for Clean Water campaign to inform pet owners of their responsibilities regarding pet waste management. As part of this campaign, dog waste bags are available to residents who use the reservation.
- Email to Dog Owners: Cambridge emailed all dog owners who applied for a dog license through the City with information on the importance of picking up pet waste for water quality and public health.
- Animal Commission outreach: The Animal Commission also promoted the Canines for Clean Water campaign at public events where dog owners could take a pledge to pick up after their pet.
- Additional educational messages during this reporting period also included information on the topic of pet waste: BlueBike Station Posters (see BMP #12).

Targeted Audience: Residents

Responsible Department/Parties: DPW, Animal Commission, Water Department, MyRWA

Measurable Goal(s):

- Social Media Posts: Cambridge DPW Facebook 262 impressions and 80 views; DPW Twitter 282 impressions and 47 views; City of Cambridge DPW Facebook 893 impressions and 263 views. MyRWA Facebook 126 views; MyRWA Instagram 598 views and 389 people reached
- Fresh Pond Reservation pet waste bags: ~400 pet waste bags distributed per week
- Email to Dog Owners: 4,299 emails sent.
- Animal Commission outreach: 6 pledge forms signed; ~40 flyers distributed at annual rabies clinic

Message Date(s):

- Social Media Posts: DPW and City of Cambridge May 22, 2025; MyRWA Facebook September 1, 2024 and Instagram September 2, 2024
- Fresh Pond Reservation pet waste bags: July 2024 - June 2025
- Email to Dog Owners: June 17, 2025
- Animal Commission outreach: April 5, 2025

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

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

If yes, describe why the change was made:

NA

BMP: #5 - Annual Message on Septic System Maintenance

Message Description and Distribution Method:

Letters were mailed to property owners and businesses where the sanitary connection is unknown discussing the proper care of septic systems and requesting updated information regarding a possible connection to the sanitary system. Note: The majority of properties in Cambridge are directly connected to the sanitary system. The City keeps an inventory of properties where the sanitary connection is unknown, which is used to identify a list of properties with the potential for septic systems.

Targeted Audience: Residents; Businesses, Institutions and Commercial Facilities

Responsible Department/Parties: DPW

Measurable Goal(s):

8 letters total. 7 letters were mailed to each of the property owners. In addition, 1 letter was mailed to the tenant of the commercial property in addition to the letter sent to the owner of the property.

Message Date(s): October 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:

NA

BMP: #6 - Annual Message on Salts and De-icers

Message Description and Distribution Method:

- Social Media Posts: DPW posted on social media (facebook and twitter) about the impact of salts/de-icers on water quality and encouraging proper use. MyRWA also posted these messages on their social media platforms.
- DPW Snow Center website: The City maintained the Snow Center website, which includes guidance for residents on proper snow and ice management (using minimal amount of salt/de-icer needed; not using sand because it clogs catch basins and not using rock salt because it harms vegetation). After a winter storm in February 2025, City of Cambridge Daily Update emails included a story with a link to the Snow Center.
- Outreach to Commercial/Industrial Users: DPW mailed oversized postcards to commercial and industry property owners in the Mystic River Watershed to inform them of the impact of salt/de-icer on water quality and encouraging best practices.
- Snow and Ice Violation Tags: DPW updated language on Snow and Ice Violation tickets to also include best practices to keep sidewalks clear and dry while protecting water quality.

- DPW Forest Friends E-Newsletters: Cambridge included a Clean Water Tip in the winter DPW Forest Friends E-Newsletter on salts and de-icers encouraging proper use and application rates.
- DPW News Release: DPW drafted a news release on snow and ice removal tips after a storm, including best practices to minimize stormwater pollution from melting snow.

Targeted Audience: Residents; Businesses, Institutions and Commercial Facilities; Industrial Facilities

Responsible Department/Parties: DPW, MyRWA

Measurable Goal(s):

- Social Media Posts: DPW Facebook 2/7 446 impressions and 13 engagements; DPW Facebook 2/4 280 impressions and 90 video views; DPW Twitter 2/7 258 impressions and 8 engagements. City of Cambridge Twitter 2/23 610 impressions and 21 engagements, 2/25 523 impressions and 20 engagements, 2/27 436 impressions and 10 engagements. City of Cambridge Facebook 36,387 impressions and 4,879 engagements. MyRWA Facebook 332 views and 197 people reached. MyRWA Instagram 1,160 views and 767 people reached.
- DPW Snow Center website: 28,699 views. City of Cambridge Daily update emails sent to 15,817 subscribers with 8,987 to 9,248 emails opened.
- Outreach to Commercial/Industrial Users: 94 flyers mailed
- Snow and Ice Violation Tags: 578 tickets issued
- DPW Forest Friends E-Newsletter: 928 emails sent and 668 opened
- DPW News Release: 120 views

Message Date(s):

- Social Media Posts: DPW Facebook and Twitter February 4 and February 7, 2025; City of Cambridge Twitter February 23, 25 and 27 2025. City of Cambridge Facebook February 25, 2025. MyRWA Facebook December 19, 2024. MyRWA Instagram February 7, 2025.
- DPW Snow Center website: July 2024 - June 2025. City of Cambridge Daily Update emails February 20 and February 21, 2025.
- Outreach to Commercial/Industrial Users: February 3, 2025
- Snow and Ice Violation Tags: December 23, 2024 - February 28, 2025
- DPW Forest Friends E-Newsletter: February 12, 2025
- DPW News Release: February 20, 2025

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

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

If yes, describe why the change was made:

NA

BMP: #7 - Pollution Prevention for Commercial and Industrial Facilities

Message Description and Distribution Method:

- Industrial Site Flyers: DPW mailed flyers to industrial property owners to inform them of best practices for storage and handling of chemicals and hazardous materials to protect water quality, including storing materials in covered containers, keeping sites clean and organized, labeling all materials, and checking storage areas for leaks and spills.
- Letter to Commercial Business: A letter was mailed to a commercial business in response public reports of improper disposal of paint and construction materials. The letter included best practices for disposal of wash waters, construction debris and other materials and how to minimize stormwater pollution.

Targeted Audience: Businesses, Institutions and Commercial Facilities; Industrial Facilities

Responsible Department/Parties: DPW

Measurable Goal(s):

- Industrial Site Flyers: 34 flyers mailed
- Letter to Commercial Business: 1 letter mailed

Message Date(s):

- Industrial Site Flyers: June 12, 2025
- Letters to Commercial Business: August 16, 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:

NA

BMP: #8 - Construction Erosion and Sediment Control

Message Description and Distribution Method:

- Annual Training: DPW holds weekly, virtual construction meetings at the beginning of each week during the construction season to discuss projects, coordination, and reminders about additional erosion and sediment control measures that need to be taken prior to rain events. During one of these meetings at the start of the 2025 construction season, DPW gave a training on the importance of erosion and sediment control on active construction sites, types of controls, and best practices for site management. The audience included contractors, utility companies, municipal staff responsible for construction management and the major universities. The presentation slides were included with the meeting minutes.
- Utility Coordination Letter: At the start of the construction season, DPW sends a letter to contractors with regulations for work in the public right of way and expectations for projects within the City of Cambridge. This letter includes the requirement that erosion and sediment control is required for all project sites disturbing soil and provides a list of best practices that should be used.
- Presentation to Small Contractors: DPW gave a training to small contractors doing work in the City that included information on the importance of erosion and sediment control and best practices to minimize sediment migration. This presentation is targeted towards small contractors working on smaller projects that would not attend weekly construction meetings.
- Excavation Permits: Erosion and Sediment Control information and requirements are attached to all issued Excavation Permits.

Targeted Audience: Developers (construction)

Responsible Department/Parties: DPW

Measurable Goal(s):

- Annual Training: 66 people attended; 141 people were emailed the meeting minutes with the training slides
- Utility Coordination Letter: emailed to 102 contractors and 39 utility contacts
- Presentation to Small Contractors: 150 people attended the presentation
- Excavation Permits: 1,218 permits issued

•Annual Training: May 12, 2025

Message Date(s):

- Utility Coordination Letter: March 31, 2025
- Presentation to Small Contractors: April 14, 2025
- Excavation Permits: July 2024 - June 2025

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

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

If yes, describe why the change was made:

NA

BMP: #9 - Street Sweeping Program

Message Description and Distribution Method:

- Social Media Posts: Cambridge DPW and the City of Cambridge posted on Facebook and Twitter reminding residents to move their car at the start of the street cleaning season and highlighted the importance of the City's street sweeping program for water quality.
- DPW News Release: DPW drafted two news releases on the City's street cleaning program reminding residents the program is aimed at improving the water quality of storm water discharged to the Charles River and Alewife Brook.
- City of Cambridge Daily Update Emails: The City of Cambridge included a link to the DPW News Releases on street cleaning in nine (9) Daily Update Emails, five (5) in the summer and four (4) in the spring. A preview of the DPW News Release is included in the body of the email with a link to the full news release on DPW's website.
- Street Cleaning Webpage: DPW maintained a street cleaning webpage, which contains information on the importance of street sweeping for water quality and the City's monthly sweeping schedule.
- Street Cleaning CodeRed Message: The City of Cambridge sent a message reminding residents to move their car for street cleaning to help remove leaves from the street through the CodeRed system.
- Traffic Brochures: Cambridge included inserts on the importance of street cleaning for water quality in the packet of materials distributed with resident parking passes.

Targeted Audience: Residents; Businesses, Institutions and Commercial Facilities

Responsible Department/Parties: DPW

Measurable Goal(s):

- Social Media Posts: Cambridge DPW Facebook 935 impressions and 17 engagements; City of Cambridge Twitter 3/29 post 3,495 impressions and 17 engagements and 3/21 post 439 impressions and 9 engagements; City of Cambridge Facebook 9/1 498 impressions and 52 engagements, 8/30 382 impressions and 6 engagements, 8/28 38,120 impressions and 3,403 engagements.
- DPW News Releases: 8/20 1,623 views; 3/19 1,129 views
- City of Cambridge Daily Update Emails: August 2024 15,526 - 15,607 emails sent with 8,642 to 8,860 emails opened and 196 clicks on street cleaning story; March 2025 15,939 - 15,948 emails sent with 9,312 to 9,419 emails opened.
- Street Cleaning Webpage: 41,940 views
- Street Cleaning CodeRed Message: message sent to 23,650 subscribers over one month during week of scheduled neighborhood street cleaning
- Traffic Brochures: 40,000 inserts

• Social Media Posts: Cambridge DPW Facebook March 29, 2025; City of Cambridge

Twitter March 21 and March 29, 2025; City of Cambridge Facebook August 28, August 30 and September 1, 2024

Message Date(s):

- DPW News Releases: August 20, 2024 and March 19, 2025
- City of Cambridge Daily Update Emails: August 25-29, 2024 and March 27-30, 2025
- Street Cleaning Webpage: July 2024 - June 2025
- Street Cleaning CodeRed Message: November 27 - December 31, 2024
- Traffic Brochures: March 1 - June 30, 2025

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

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

If yes, describe why the change was made:

NA

BMP: #10 - Rain Barrel Distribution Program

Message Description and Distribution Method:

- Distribution Event: DPW sponsored a discounted rain barrel program for residents with The Great American Rain Barrel Company. Advertising for the program (DPW Social Media Posts, DPW News Release, and City of Cambridge social media posts) included information for residents about how capturing rainwater for later use helps to reduce stormwater runoff and prevent localized flooding.
- DPW E-Newsletters: The DPW Recycling monthly newsletter included information on the rain barrel program and promoted the benefits of using a rain barrel including capturing rainwater to reduce runoff, lowering municipal water demand and improving residential stormwater management. A similar message was included in the Forest Friends newsletter.

Targeted Audience: Residents

Responsible Department/Parties: DPW

Measurable Goal(s):

- Distribution Event: 45 rain barrels were distributed
- DPW Facebook Posts: 5/5 254 impressions and 5 engagements; 5/22 252 impressions and 11 engagements
- DPW News Release: 248 views
- City of Cambridge Twitter Post: 402 impressions and 10 engagements
- City of Cambridge Facebook Post: 1,056 impressions and 38 engagements
- DPW E-Newsletters: Recycling 4/7 sent to 10,655 subscribers with 6,361 emails opened; Recycling 5/6 sent to 10,664 subscribers with 6,413 opened; Forest Friends sent to 1,007 subscribers with 731 opened

Message Date(s):

- Distribution Event: June 17, 2025
- DPW Facebook Posts: May 5 and May 22, 2025
- DPW News Release: April 29, 2025
- City of Cambridge Twitter Post: May 2, 2025
- City of Cambridge Facebook Post: May 2, 2025
- DPW E-Newsletters: Recycling April 7 and May 6, 2025; Forest Friends May 20, 2025

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

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

If yes, describe why the change was made:

NA

BMP: #11 - Fats, Oils, and Grease (FOG) Inspection Program

Message Description and Distribution Method:

• Inspections: DPW completes inspections for proper management of fats, oils and grease at restaurants and other businesses with grease traps. At these inspections, DPW distributes brochures on proper management of FOG and discusses the impact of FOG management on sewer backups with businesses owners. A version of the FOG flyer is available on the City's stormwater webpage for businesses.

Targeted Audience: Businesses, Institutions and Commercial Facilities

Responsible Department/Parties: DPW

Measurable Goal(s):

32 inspections with brochures distributed at each

Message Date(s): July 2024 - June 2025

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

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

If yes, describe why the change was made:

NA

BMP: #12 - Stormwater Posters at Bluebike Stations

Message Description and Distribution Method:

DPW designed a stormwater poster outlining what is stormwater runoff and what residents can do to reduce their contribution to pollution. The poster focused on encouraging residents to pick up after their pets, collect grass clippings and leaf litter for yard waste pickup, and report illegal dumping down storm drains. These posters were printed and placed at BlueBike stations throughout the City in highly visible areas.

Targeted Audience: Residents; Businesses, Institutions and Commercial Facilities

Responsible Department/Parties: DPW

Measurable Goal(s):

11 posters were installed. Estimated 100 views/day at each of the 11 stations for a total of 77,000 views.

Message Date(s): April 21 - June 30, 2025

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

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

If yes, describe why the change was made:

NA

BMP: #13 - City Hall Stormwater Program Display

Message Description and Distribution Method:

The City has a large display (approximately 6ft by 12ft) that contains information about stormwater and water quality, describes the City's stormwater management program, and educates the public on how individuals can keep the City's waters clean. This display was put up in City Hall in a high traffic hallway on the main floor for City staff and members of the public to view.

Targeted Audience: All - Residents; Businesses/Institutions/Commercial; Developers; Industrial

Responsible Department/Parties: DPW

Measurable Goal(s):

Estimated 30 views/day for 63 days (excluding weekends and holidays) for a total of 1,890 potential views.

Message Date(s): July 1 - September 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:

NA

BMP: #14 - Stormwater Website and Youtube Videos

Message Description and Distribution Method:

- Stormwater Website: DPW maintains a stormwater management webpage that has a main page with general information about stormwater in Cambridge, the City's stormwater program and initiatives, and work completed under the MS4 Permit. The website also has separate pages for information relevant to each of the target audiences - Residents, Developers (construction), Industrial Facilities and Businesses/Institutions/Commercial facilities.
- Youtube Videos: DPW developed two (2) informational videos to highlight ongoing efforts to keep the City's receiving waters clean as part of its Stormwater Program during Year 3. Both of these videos (18 minutes and 2 minutes) are maintained on the City's stormwater website. The 18-minute video explores what happens to rain or snowmelt once it hits the ground, why it matters, and the role the city, residents, businesses, developers, contractors, and institutions play in improving water quality. The 2-minute video focuses on what the City is doing to protect waterways.

Targeted Audience: All - Residents; Businesses/Institutions/Commercial; Developers; Industrial

Responsible Department/Parties: DPW

Measurable Goal(s):

- Stormwater website: main page 1,654 views; residents page 158 views; developers page 356 views; businesses page 34 views; industry page 33 views
- Youtube video (18-minutes): 551 total views; 7 new views within this reporting period
- Youtube video (2-minutes): 655 total views; 38 new views within this reporting period

Message Date(s): July 2024 - June 2025

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

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

If yes, describe why the change was made:

NA

BMP: #15 - Water Quality and Combined Sewer Overflows

Message Description and Distribution Method:

- DPW News Releases: DPW had several news releases related to combined sewer overflows and water quality, including public health warnings after CSO events and information on the CSO Annual update.
- DPW Social Media Posts: DPW posts Public Health Notices from CSO events on social media and also posts about CSO program updates and upcoming events.
- CSO Public Meeting and Listening Session: DPW, the City of Somerville and the Massachusetts Water Resources Authority held a joint virtual public meeting to discuss collaborative efforts to further reduce CSOs and improve water quality.
- CSO Webpages: DPW maintains webpages with information on the CSOs and the updated CSO Control Plan and how residents can learn more about the process.

Targeted Audience: Residents; Businesses/Institutions/Commercial

Responsible Department/Parties: DPW

Measurable Goal(s):

- DPW News Releases: 4/9 129 views; 12/12 448 views
- DPW Social Media Posts: Twitter 1/15 543 impressions and 11 engagements; 12/12 24,416 impressions and 14,905 engagements, 12/13 779 impressions and 40 engagements; Facebook 12/12 2,364 impressions and 181 engagements, 12/13 546 impressions and 4 engagements, 1/15 1,103 impressions and 22 engagements.
- CSO Public Meeting: 303 attendees and meeting recording has 194 views
- CSO Listening Session: 174 attendees and meeting recording has 83 views. City of Cambridge Daily update email advertising event sent to 15,947-15,951 subscribers with 9,260-9,419 emails opened with 30 clicks on the CSO story.
- CSO Webpages: main page 1,057 views; updated CSO Plan page 624 views

Message Date(s):

- DPW News Releases: December 12, 2024 and April 9, 2025
- DPW Social Media Posts: December 12 and 13, 2024 and January 15, 2025
- CSO Public Meeting: January 22, 2025
- CSO Listening Session: April 3, 2025
- CSO Webpages: July 2024 - June 2025

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

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

If yes, describe why the change was made:

NA

BMP: #16 - General Stormwater Education

Message Description and Distribution Method:

- MyRWA Social Media Post: MyRWA posted a video on social media that explains the impact of impervious cover on stormwater runoff and the problem of stormwater pollution.
- DPW Social Media Posts: DPW posted a video on Facebook explaining what stormwater runoff is and where common pollutants come from, and why it's important to pick up trash. DPW also posted on Twitter about water conservation.
- Letters to Property Owners and Residents: DPW mailed letters to residents throughout the permit year to address City staff observations and/or public reports of stormwater related issues, including sump pumps, proper disposal of wash water and illegal dumping. All letters included information about where stormwater goes in Cambridge and best practices residents can take to minimize pollution leaving their property.

Targeted Audience: Residents

Responsible Department/Parties: DPW

Measurable Goal(s):

- MyRWA Social Media Post: 210 views and 179 people reached.
- DPW Social Media Post: Facebook 384 impressions and 9 engagements; Twitter 497 impressions and 3 engagements
- Letters to Property Owners and Residents: 36 letters mailed

Message Date(s):

- MyRWA Social Media Post: June 9, 2025
- DPW Social Media Post: Facebook August 10, 2024; Twitter April 27, 2025
- Letters to Property Owners and Residents: August 20, 2024 (1 letter), August 27, 2024 (1 letter), September 10, 2024 (1 letter), March 14, 2025 (24 letters), May 6, 2025 (6 letters), May 16, 2025 (3 letters)

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

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

If yes, describe why the change was made:

NA

BMP: #17 - Storm Stewards Program

Message Description and Distribution Method:

Through collaboration with MyRWA, the City of Cambridge launched a Storm Stewards program and website during Permit Year 6. Through this program, residents or businesses can claim a storm drain on their street, give it a custom name, and commit to checking on the drain monthly to keep the inlet clear of trash and leaves. Information about the program includes an educational component about the City's drainage system,

common stormwater pollutants (such as trash and leaves) and how clogged storm drains can lead to street flooding. This program was advertised through MyRWA social media posts, Cambridge DPW News Release about Earth Day activities, the City of Cambridge's Daily Update emails, and posters at Bluebike stations throughout the City. The Storm Stewards website is publicly available at: <https://cambridge.mysticdrains.org/>

Targeted Audience: Residents, Businesses/Commercial

Responsible Department/Parties: DPW, MyRWA

Measurable Goal(s):

- 452 total drains claimed by 244 residents including 254 new drains claimed in Permit Year 7
- MyRWA Social Media Posts: Facebook 10/8 406 views and 136 people reached; 2/10 161 views and 94 people reached; 5/9 318 views and 224 people reached. Twitter 10/8 1,027 views and 776 people reached; 2/10 185 views and 1 person reached; 5/9 1,313 views and 664 people reached.
- DPW News Release: 942 views
- City of Cambridge Daily Update Emails: sent to 15,728 to 15,734 subscribers with 9,113 to 9,295 emails opened
- Bluebike Posters: 8 posters were installed. Estimated 100 views/day at each of the 8 stations for a total of 73,600 views.

Message Date(s):

- MyRWA Social Media Posts: October 8, 2024, February 10, 2025 and May 9, 2025 (Facebook and Twitter)
- DPW News Release: March 6, 2025
- City of Cambridge Daily Update Emails: December 26 - 31, 2024
- Bluebike Posters: July 1 - September 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:

New BMP starting Permit Year 6.

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:**

- Online Posting of the SWMP: Cambridge maintains a copy of the latest version of the SWMP on the DPW Stormwater Management webpage and provides an email where the public can submit feedback to allow for ongoing public review.
- Advertised Public Event: Cambridge DPW set up a booth with stormwater education materials and an interactive stormwater model at Arts in the Park on September 28, 2024. This meeting notice was posted on the City's calendar of events and DPW's website as an opportunity for the public to learn more and provide

comments on the City's SWMP. Approximately 150 people attended the event, and 50 individuals engaged with the stormwater table.

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:**

***Community/Neighborhood Events:** At each of these events, Cambridge DPW set up a booth with stormwater educational materials. Depending on the event, the booth included two displays that explain the City's stormwater management program, an interactive stormwater and drainage system model, and Enviroscope watershed model, and/or interactive poster boards with sticky notes for public participation. City staff were available to answer questions on the City's drainage system and stormwater initiatives and talk with residents about pollutants impacting our local waters and actions they can take to help minimize pollution. Materials distributed included brochures on pet waste, fertilizer, leaves and grass clippings, street cleaning, salt and de-icers, and the City's Storm Stewards program. Dwayne the Drain coloring books, pet waste dispensers, Storm Stewards stickers, and Storm Steward paper fans were available as giveaways.

- Danehy Park Family Day (Sept 21): 50 people engaged with the stormwater table and interactive model.
- Arts in the Park (Sept 28): Over 150 people interacted with the stormwater booth.
- Cambridge Science Festival (Sept 29): Over 300 people interacted with the booth and interactive model.
- DPW Earth Day Event (April 19): Over 200 people attended the event and approximately 25 people engaged with the stormwater booth, which focused on the City's Storm Stewards program and rain barrels.
- The Port Arts Festival (May 17): Over 300 people attended the event and 50 people interacted with the stormwater table and model.

***Outreach Activities for Children:**

- CanoeMobile (Sept 20): Cambridge DPW partnered with MyRWA and Mass Audubon to host a field trip at Magazine Beach Nature Center for 5th to 8th graders from schools in Cambridge. 125 students attended the event. The event had land stations that included an Enviroscope watershed model, USFS wildlife station, and stormwater station with DPW's interactive stormwater model. The event also gave students the opportunity to canoe on the Charles River.
- DPW Roadshow Touch-a-Truck (May 18): Cambridge DPW set up a station with an interactive stormwater watershed model for students that focused on showing where water goes when it rains and how pollutants can be transported to local rivers. Over 490 pre-school, pre-K, and kindergarten students attended the event, which was also open to the public.
- Cambridge Public Schools (April/May): As part of Cambridge 5th grade curriculum, students learn about non-point source stormwater pollution. Students visit the Alewife Stormwater Wetland to see an example of an engineered solution that addresses non-point source pollution from Cambridge streets and other impervious surfaces. Students move through the wetland as water molecules would (settling over time, absorbing through soil & plants and evaporating in the deep pool areas) leaving behind particulates they collected as runoff before they are discharged to the Little River. During this reporting period, 175 students visited the wetland and learned about stormwater runoff.

***MyRWA Educational Activities:** Cambridge is a member of the Mystic River Watershed Association's (MyRWA) Stormwater Education Collaborative. As part of the MyRWA Stormwater Collaborative, MyRWA staff provide educational outreach to children in member communities.

- Cambridgeport School (March/April): MyRWA led a 6 week program for students in Cambridgeport's after school program for 2nd-3rd graders. The material focused on stormwater and water quality, biodiversity and climate workshops. 15 youth attended the workshop series.
- Fayweather School (Sept 2024, April 2025): MyRWA organized a CanoeMobile event and led a River Herring and Biodiversity program for 3rd & 4th graders. 26 youth attended the events.
- International School of Boston (May): MyRWA led a River Herring and Biodiversity program for 4th

graders. 60 youth attended the workshop.

*Household Hazardous Waste (HHW) Collection: Cambridge DPW sponsored four (4) HHW collection days during this reporting period (August 24, November 2, April 5 and June 10). A total of 30 tons of waste was collected.

*Solid Waste, Recycling and Compost Collection: Cambridge continued it's curbside trash, yard waste, recycling and compost programs and continued to educate residents and business owners on proper waste disposal. During this reporting period the following were collected:

- 2,332 tons of compost
- 8,075 tons of recycling
- 1,665 tons of yard waste
- 13,698 tons of trash

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 percent of Phase II map complete reported above reflects that the map is substantially complete, but minor modifications and additions are continuously being added as IDDE investigations progress and as-builts are received from completed projects. A copy of the current Stormwater Catchment Area and Outfalls map (last updated May 2025) can be found online at: https://www.cambridgema.gov/-/media/Files/publicworksdepartment/stormwatermanagement/filesfrom92425/app_b_cambridge_ms4_phaseimap_202506.pdf

The City maintains an online interactive map of the sewer and drain systems showing all gravity mains, force mains, service laterals, catch basins, manholes, outfalls, underground structures, BMPs and other elements related to the sewer and drain systems. This map is available online at: <https://next.axisgis.com/cambridgema/>

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:

See Appendix A of IDDE Investigation Progress Permit Year 7 Report available at:
www.cambridgema.gov/Departments/publicworks/Initiatives/stormwatermanagement/annualreports

*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:

- Dry weather screening: Outfalls D30 (added to the City's SWMP and IDDE Plan in Permit Year 6) and D52_1/D52_2 (added to the City's SWMP and IDDE Plan in Permit Year 7) were screened during dry weather during Permit Year 7. Dry weather outfall screening for all other outfalls was completed in Year 3 and is available under "Annual Report and Information: July 2020 to June 2021" at <https://www.cambridgema.gov/Departments/publicworks/Initiatives/stormwatermanagement/annualreports>
- Wet weather sampling: Two (2) wet weather samples were collected from outfall D33A and one (1) wet weather sample was collected from outfall D52_1 during this reporting period 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:

See IDDE Investigation Progress Permit Year 7 Report available online: <https://www.cambridgema.gov/Departments/publicworks/Initiatives/stormwatermanagement/annualreports>

*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 for two (2) high priority outfalls were completed this reporting period (D33A and D52_1). Catchment investigations are complete for six (6) Problem/High Priority outfalls and in progress for

21 high priority outfalls.

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:

See Illicit Discharge Removal Permit Year 7 Report available online at: <https://www.cambridgema.gov/Departments/publicworks/Initiatives/stormwatermanagement/annualreports>

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

Number of illicit discharges identified:

Number of illicit discharges removed:

Estimated volume of sewage removed: gallons/day

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

Total number of illicit discharges identified:

Total number of illicit discharges removed:

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

NA

Employee Training

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

An in-person IDDE Training was held on June 6, 2025 attended by 11 DPW staff. The training included a powerpoint presentation, discussion of the IDDE program and findings to date. Topics included the Cambridge MS4 System and MS4 Permit Overview, Cambridge IDDE Program status, types of illicit discharges and how to identify them in the field, SSOs, dry weather outfall screening protocol, catchment investigation procedures and wet weather sampling protocol.

Two SWPPP trainings were held during this reporting period for City staff responsible for facility maintenance and/or quarterly SWPPP inspections. Seven (7) employees attended the SWPP training on April 30 and 11 employees attended the SWPPP training on May 7. This SWPPP training covered Massachusetts Stormwater regulations, SWPPP overview, and best practices for spill response, good housekeeping, and material management for each Cambridge facility with a SWPPP. The trainings also included a practice site

inspection and reviewed how to complete SWPPP inspection forms.

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: 1

Number of inspections completed: 106

Number of enforcement actions taken: 6

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

The DPW issued one (1) Stormwater Control Permit (SWCP) during this permit year which accounts for the site plan review identified above. The City received four (4) additional SWCP applications this permit year where site plans are still under review. In addition to Stormwater Control Permit projects, the DPW reviewed 403 Building Permit applications for projects that did not trigger a SWCP and were not jurisdictional under MS4 Permit requirements. The review of these smaller projects sought to, amongst other things, identify opportunities for smaller projects to make improvements to contribute to the goals of the MS4 Permit. Of the 403 building permits, at least 67 of them included review of a civil site plan.

In addition to the 106 inspections completed for sites with SWCPs, an additional 37 inspections were completed for smaller projects not covered under MS4 Permit requirements.

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

As-built Drawings

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

Number of as-built drawings received: 1

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

One (1) as-built drawing was received for a project with a Stormwater Control Permit during the last reporting period.

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:

No updates to local regulations or guidelines related to street or parking lot design were made this permit year.

Green Infrastructure Report

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

The Green Infrastructure Report concluded that green infrastructure practices are allowable and encouraged in Cambridge. The adoption of the Green Factor Standard in Cambridge's Climate Resiliency Zoning Ordinance in Permit Year 5 will further support the inclusion of green infrastructure and low impact development on sites through practices such as preserving and planting trees, green roofs, and minimum open space requirements.

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):

Cambridge completed an initial BMP retrofit opportunities inventory in June 2022. This inventory is evaluated and updated annually. The following projects have been identified as potential sites that could be modified or retrofitted with BMPs as of Permit Year 7:

1. River Street: The River Street project consists of upgrades to all infrastructure in its corridor, including subsurface utilities, and surface elements. Sewer separation is required for a portion of the project area, and the project also includes drainage improvements to reduce flooding. Final street design is to be to complete street standards, including a separated bicycle facility, stormwater improvements and additional tree plantings. BMPs include replacement of all catch basins with deep sump catch basins with hoods and incorporation of green infrastructure features, including a pervious asphalt bicycle lane the full length of River Street. Estimated impervious reduction is approximately 30,000 sf.
2. The Port Phases 2 & 3: The Port neighborhood project will reduce the frequency and severity of stormwater flooding and sewer backups in the neighborhood, and upgrade the neighborhood's surface infrastructure, including streets, sidewalks, shade trees, landscaping, and open spaces. Phases 2 and 3 will include completion of storm/sanitary separation in the neighborhood, construction of additional underground sanitary storage and pump stations, connections to existing storm and sewer systems for post-storm discharge, and full reconstruction of neighborhood streets including green infrastructure.
3. Tobin Montessori and Vassal Lane Upper Schools: This project provides new facilities for Tobin Montessori School, Vassal Lane Upper School, Special Start and Department of Human Services Programs preschool and after school programs. The project is also addressing street flooding in the neighborhood with the installation of a 1.5 million gallon underground stormwater tank on-site. Beyond these large improvements, the City is also including a bioretention rain garden designed to treat 100,000 gallons of stormwater.

4. Alewife Linear Park: The Cambridge Forestry Department proposed this restoration project to address the City's decline in tree canopy. The project will include the development of additional tree canopy and soil remediation and enhancement, and will evaluate opportunities for stormwater BMPs.

5. The following streets are scheduled for reconstruction as part of the City's Five-Year Street and Sidewalk Reconstruction Plan: Green Street, Sciarappa Street, Chetwyn Road, Gray Street, Haskell, Norfolk, and Shepard. The City evaluates each street that is scheduled for reconstruction for green infrastructure opportunities and identifies plazas and other hardscape areas for impervious cover reduction.

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.

The following permittee-owned properties have been modified with BMPs. Note some projects were completed before the initial BMP retrofit opportunities inventory (June 2022), but were completed after the 2018 MS4 Permit became effective.

1. King Open School: This project was completed in August 2019, and is the first Net Zero Emissions and first LEED V4 Platinum school in Massachusetts. Stormwater BMPs included four (4) bioretention areas (note two of these areas discharge to a combined sewer system and two discharge to a separated sewer system), two (2) underground infiltration systems, and a 30,000 gallon rainwater harvesting tank.

2. The Port Phase 1/Parking Lot 6: This project was completed in early 2021 and consisted of the Parking Lot 6 stormwater storage tank and pump station. In addition, the project included two (2) subsurface infiltration systems to treat stormwater runoff from a municipal parking lot. Although the overflow from the infiltration system will discharge to a combined sewer system, it is designed to be connected to the separated system in the future.

3. Timothy Toomey Jr. Park (Rogers Street Park): This project was completed in September 2021 and replaced the pre-existing developed site with a community park, resulting in a reduction of approximately 70,000 sf of impervious area. Stormwater BMPs included three (3) subsurface infiltration systems that will treat the runoff from the park as well as surrounding roadways.

4. Franklin Street: This street reconstruction project was completed in late 2021 as part of the City's Five-Year Street and Sidewalk Reconstruction Plan. Porous pavement (pervious paver strips on sidewalks) was included to treat stormwater runoff.

5. Chapter 90 Contract 23A: This street reconstruction project was completed as part of the City's Five-Year Street and Sidewalk Reconstruction Plan. Four (4) subsurface infiltration trenches and porous pavement was included to treat stormwater runoff.

6. Glacken Field: As part of the Glacken Field restoration project, infiltration trenches, porous pavement and dry wells were installed in 2021. This project was selected to serve as the City's demonstration project within the Mystic River Watershed.

7. Inman Square: The Inman Square project (completed Permit Year 6) decreased impervious surfaces by approximately 7,000 SF with the installation of porous cycle tracks, permeable pavers, and planting beds. Overflow from the infiltration systems discharges to a combined sewer system, however the majority of which is planned for separation in the future. Additionally, the infiltration systems are designed to promote plant and

tree growth.

8. Triangle Park: The Triangle Park project (completed Permit Year 6) converted an unused gravel lot into a new public park, including the addition of over 400 new trees. Stormwater gardens, infiltration trenches and a subsurface chamber system will capture and infiltrate rainwater as a part of the park's stormwater management system, decreasing the rate and volume of surface runoff in all modeled storm events.

9. Willard Street: The Willard Street project (completed Permit Year 7) included replacing and/or rehabilitating the sewer and stormwater infrastructure and the construction of a new stormwater pipe and outfall at the Charles River (complete Permit Year 6). Green infrastructure completed in Permit Year 7 included three (3) tree pits with extended underground infiltration trenches and permeable surface strips over four (4) subsurface gravel infiltration trenches. In Longfellow Park, a subsurface infiltration system sized to infiltrate runoff from up to the 10-year storm was completed in fall 2019 and reduces stormwater inflow into the combined sewer system.

10. Binney Park: A new City park (completed Permit Year 7) in the East Cambridge neighborhood that included three (3) bioretention areas, a subsurface infiltration system, and a porous pavement bikepath.

11. Cambridge Rindge and Latin School Plaza: Reconstruction of the plaza at Cambridge's Rindge and Latin School (completed Permit Year 7) included retrofitting an existing dry well into a bioretention area.

12. Lechmere Canal Park: As part of this park improvements project (completed Permit Year 7), infiltration trenches with underdrains were constructed along the lower canal walk to infiltrate the first flush.

13. Chapter 90 Contract 24: This street reconstruction project (completed Permit Year 7) was part of the City's Five-Year Street and Sidewalk Reconstruction Plan. Five (5) bioretention curb extension planters were included to treat stormwater runoff where feasible (Park Avenue, Webster Ave, and Chestnut Street). Cushing Plaza was also reconstructed to allow stormwater to infiltrate and provide enhanced tree and garden planting areas by reducing impervious cover by ~3,750 square feet.

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:

During this reporting period 403 inspected catch basins within the MS4 had sediment depths greater than 50%. The City will continue to measure and track sediment depth and take action when a catch basin sump is more than 50% full during two consecutive routine inspections/cleaning events.

Note: The City began its inspection and tracking of depth of catch basin sediment in June 2019. Since then the City has completed an initial inspection of 2,950 out of 3,296 catch basins within the MS4 (90%). There are 6,272 total municipal owned catch basins and 3,296 are within the MS4 (separated areas). A total of 5,678 of 6,272 catch basins have been inspected citywide. A total of 2,327 catch basins were cleaned citywide and a total of 2,224 catch basins were inspected citywide during Permit Year 7. The total mass of material removed from all cleaned catch basins citywide was 318 tons.

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:

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:

- Alewife Staging Area: Erosion control was improved along perimeter of site.
- Police Vehicle Maintenance Garage: Staff were reminded about proper vehicle washing procedures.
- Solomon Maintenance Garage: No corrective actions identified.
- Water Department Maintenance Garage: New dumpster covers needed. Catch basins and trench drains identified for cleaning.
- Cemetery Garage and Staging Area: Catch basins identified for cleaning and inlet protection.
- Fire Station Maintenance Garage: No corrective actions identified.

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):

NA

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:

NA

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.

MCM 3: The City uses Commonwealth Connect (powered by SeeClickFix) to help residents reach the City to request services or get help fixing issues. "Dumping in Storm Drain" is a reporting category. During this reporting period, there were 24 issues reported through the SeeClickFix system.

MCM 6: Through several maintenance contracts, the City completed the following maintenance and improvements of City-owned sewer and stormwater infrastructure during this reporting period:

- 44 new catch basins installed with deep sump and hoods
- 27 catch basins remodeled with deep sump and hoods
- 4 common manholes removed
- 72 catch basin "Do Not Dump" curb markers installed
- 17 grit chambers constructed
- 11,209 linear feet of combined sewer cleaned
- 36,461 linear feet of sanitary sewer cleaned
- 724 linear feet of sanitary sewer installed
- 3,495 linear feet of sanitary sewer lined
- 141 linear feet of sanitary sewer replaced
- 28,231 linear feet of sanitary sewer TV'd
- 18,445 linear feet of storm drain cleaned
- 3,534 linear feet of storm drain installed
- 110 linear feet of storm drain lined
- 247 linear feet of storm drain replaced
- 16,235 linear feet of storm drain TV'd

Additional training for City staff:

- Tour of Stormwater Innovation Center in Providence, RI with Massachusetts Statewide Stormwater Coalition (August 23, 2024; 2 attendees from City of Cambridge)

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

Yes, I agree ☒

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 8 below:

NA

Part V: Certification of Small MS4 Annual Report 2025

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:

James Wilcox

Title:

City Engineer

Signature:

Date:

09/25/25

[Signatory may be a duly authorized representative]

Note: When prompted during signing, save the document under a new file name.

Annual Report Submission

Please submit the form electronically via email to both EPA and MassDEP by clicking on one of the links below or using the email addresses listed below. Please ensure that all required attachments are included in the email and not attached to this PDF.

EPA: stormwater.reports@epa.govMassDEP: Stormwater.DEP@mass.gov

Paper Signature:

If you did not sign electronically above, you can print the signature page by clicking the button below.

[Print Signature Page](#)

Optional: If you did not sign electronically above, you may lock the form by clicking the "Lock Form" button below which will prompt you to save the locked version of the form. Save this locked version under a new file name.

[Lock Form](#)