

Year 5 Annual Report
Massachusetts Small MS4 General Permit
Reporting Period: July 1, 2022-June 30, 2023

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, 2022 and June 30, 2023 unless otherwise requested.

Part I: Contact Information

Name of Municipality or Organization:

EPA NPDES Permit Number:

Primary MS4 Program Manager Contact Information

Name: Title:

Street Address Line 1:

Street Address Line 2:

City: State: Zip Code:

Email: Phone Number:

Stormwater Management Program (SWMP) Information

SWMP Location (publicly available web address):

Date SWMP was Last Updated:

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

Part II: Self-Assessment

First, in the box below, select the impairment(s) and/or TMDL(s) that are applicable to your MS4. Make sure you are referring to the most recent EPA approved Section 303(d) Impaired Waters List which can be found here: <https://www.epa.gov/tmdl/region-1-impaired-waters-and-303d-lists-state>

Impairment(s)

Bacteria/Pathogens Chloride Nitrogen Phosphorus
 Solids/ Oil/ Grease (Hydrocarbons)/ Metals

TMDL(s)

In State: Assabet River Phosphorus Bacteria and Pathogen Cape Cod Nitrogen
 Charles River Watershed Phosphorus Lake and Pond Phosphorus

Out of State: Bacteria/Pathogens Metals Nitrogen Phosphorus

Clear Impairments and TMDLs

Next, check off all requirements below that have been completed. **By checking each box you are certifying that you have completed that permit requirement fully.** If you have not completed a requirement leave the box unchecked. Additional information will be requested in later sections.

Annual Requirements

- Provided an opportunity for public participation in review and implementation of SWMP and complied with State Public Notice requirements
- Kept records relating to the permit available for 5 years and made available to the public
- The SSO inventory has been updated, including the status of mitigation and corrective measures implemented
 - This is not applicable because we do not have sanitary sewer
 - This is not applicable because we did not find any new SSOs
 - The updated SSO inventory is attached to the email submission
 - The updated SSO inventory can be found at the following publicly available website:

- Updated system map due in year 2 as necessary
- 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:

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 5)**:

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

Total amount of salt applied **during this reporting period (year 5) including units:**

2,149 Tons

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

The Town of Weston DPW is committed to responsible salt usage in order to meet the Town's safety, environmental and budgetary goals. The DPW has formal Standard Operating Procedures for the Snow and Ice Program (SOP). This SOP includes condition requirements for salt application, employees responsible and required training, requirements for equipment maintenance and calibration, allowable salt application rates, and tracking of salt used. This SOP is updated annually. Private road salt applicators are not contracted by the Town. All municipal salt application is done by public works employees trained in the Town's SOP.

During the Winter of 2022/23, the Town included an article entitled "Snow is Stormwater Too" in the Winter mailing to all property owners (residential and commercial). This article discussed the impacts of using salt for deicing and shared best management practices for deicing. During the Winter of 2023/24, the Town will send messaging targeted to commercial properties highlighting best practices for snow and ice removal and protecting receiving waters. Private road salt applicators contracted by Weston residents are not tracked and no messaging will be specifically directed to them.

Charles River Watershed Phosphorus TMDL

Completed the written Phase 1 Phosphorus Control Plan (PCP), including: *(select the items in the Phase 1 PCP that have been completed)*

- Planned nonstructural controls
- Planned structural controls
- O&M program for structural controls
- Implementation schedule
- Cost of implementation

The Phase 1 PCP: *(select one of the following options)*

- is attached to the email submission
- can be found at the following publicly available website:

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 reduction required from PCP Area, as identified in Appendix F **(lbs/year) [A]:**

2,588

Documented the nonstructural control measures implemented during **this reporting period** and their phosphorus reduction

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

4.19

- No nonstructural control measures were implemented
- The above referenced nonstructural control measures information is attached to the email submission
- The above referenced nonstructural control measures information can be found at the following publicly available website:

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

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

0

- No structural control measures were implemented
- The structural control measures information is attached to the email submission
- The structural control measures information can be found at the following publicly available website:

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

0

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

0

- 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

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:

As community within the Charles River watershed, Weston is obligated to address phosphorus impairments through the development and implementation of a Phosphorus Control Plan (PCP) as described in Appendix F of the MS4 Permit. PCP implementation includes structural and non-structural best management practices (BMPs) executed through programs, projects, and policies. The permit called for creation of this PCP to have occurred by Year 5 with its implementation commencing in Year 6. As of the end of the Year 5 reporting period the Town has only a DRAFT Phase 1 Phosphorous Control Plan and is not ready to move into the implementation phase. This DRAFT PCP will be included as an attachment to this annual report.

The Town has been working with a consultant in the development of this plan. Completion of the PCP is pending approval of funding being requested at Town Meeting. If approved, the Consultant will continue work on the Town's PCP which will include an updated implementation schedule.

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:

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

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Part III: Receiving Waters/Impaired Waters/TMDL

Have you made any changes to your lists of receiving waters, outfalls, or impairments since the NOI was submitted?

- Yes
 No

If yes, describe below, including any relevant impairments or TMDLs:

The most recent EPA approved Section 303(d) Impaired Waters List (approved 2/2/2022) was updated to include chloride as an impairment for Hobbs Brook (MA72-46 - from outlet Cambridge Reservoir, Waltham to mouth at confluence with Stony Brook, Weston).

Part IV: Minimum Control Measures

Please fill out all of the metrics below. If applicable, include in the description who completed the task if completed by a third party.

MCM1: Public Education

Number of educational messages completed **during this reporting period:**

Below, report on the educational messages completed **during this reporting period**. For the measurable goal(s) please describe the method/measures used to assess the overall effectiveness of the educational program.

BMP:Education Messaging on Proper Management of Pet Waste

Message Description and Distribution Method:

Public education messaging on proper management of pet waste. Message distributed via DPW Weekly Updates, Conservation Connections Newsletters, Weston Facebook page & on Town website. DPW Weekly Updates, and Conservation Connections Newsletters are posted on the Town website, emailed and text messaged to registered residents, and linked to the Town Facebook page. This information is also posted at DPW and available at Town Hall/Town website with Dog Registration renewals.

Targeted Audience:

Responsible Department/Parties:

Measurable Goal(s):

Decrease in observed pet waste and pet waste bags on the ground in typical dog walking areas. Increase use in pet waste bags provided on Town properties. Increase in used pet waste bags placed in Town waste containers.

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:

Yes. As previously reported, the Town has implemented the use of social media for messaging and included educational messaging in the water and tax bill inserts.
Due to staffing issues, the publication "Weston Leaf" is not consistently issued and therefore no longer included in messaging program.

BMP:Proper Use/Disposal of Grass Clippings & Environmentally Friendly Landscaping Practices

Message Description and Distribution Method:

Public education messaging encouraging the proper use and disposal of grass clippings and encouraging

environmentally friendly landscaping practices. Message distributed via DPW Weekly Updates, Conservation Connections Newsletters, Weston Leaf updates, Weston Facebook page and on Town website. DPW Weekly Updates, and Conservation Connections Newsletters are posted on the Town website, emailed and text messaged to registered residents, and linked to the Town Facebook page. This information is also posted at DPW and available at Town Hall.

Targeted Audience: Residents

Responsible Department/Parties: DPW/Engineering and Conservation

Measurable Goal(s):

A majority of the messaging occurs electronically. Distribution of email messaging is measured and social media messaging can be tracked via the views/likes/shares/engagements.

Message Date(s): DPW Weekly Updates - Twelve (12) Weeks from April 2023 thru July 2023.
Conservation Connections - Summer 2023
Weston Facebook Page - Two (2) separate posts throughout permit year.

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:

Yes. As previously reported the Town has implemented the use of social media and DPW Weekly Updates for messaging and included educational messaging in the tax bill insert. Due to staffing issues, the publication "Weston Leaf" is not consistently issued and therefore no longer included in messaging program.

BMP: Messaging on Proper Disposal of Leaf Litter

Message Description and Distribution Method:

Public education messaging encouraging proper disposal of leaf litter. Message distributed via DPW Weekly Updates, Conservation Connections Newsletters, Weston Facebook page and on Town website. DPW Weekly Updates, and Conservation Connections Newsletters are posted on the Town website, emailed and text messaged to registered residents, and linked to the Town Facebook page. This information is also posted at DPW and available at Town Hall.

Targeted Audience: Residents

Responsible Department/Parties: DPW/Engineering and Conservation

Measurable Goal(s):

Observed increase in resident use of the transfer station for yard waste disposal and composting. Monitor the frequency of yard waste dumping complaints to the Conservation.

During Permit Year 5 the Conservation Commission received one (1) complaint regarding yard waste dumping.

Message Date(s): DPW Weekly Updates - 10/22/2022, 10/29/2022, 11/12/2022, and 11/26/2022.
Conservation Connections - Fall 2022 Issue
Weston Facebook Page - Six (6) separate posts throughout permit year.
Tax Bill Insert - Summer 2022 - Advertised the availability of the Town's Brush Dump for

proper disposal of fall yard waste.

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:

Yes. As previously reported the Town has implemented the use of social media and DPW Weekly Updates for messaging and included educational messaging in the tax and water bill insert.
Due to staffing issues, the publication "Weston Leaf" is not consistently issued and therefore no longer included in messaging program.

BMP:Septic System Maintenance Education

Message Description and Distribution Method:

Distribution of educational brochure entitled Healthy Septic Systems available at the Board of Health office and via the Board of Health website. Brochure distributed to property owner when septic system permit closed out.

Targeted Audience: Residents

Responsible Department/Parties: Board of Health

Measurable Goal(s):

Number of septic system permits closed out during permit Year 5 (July 1, 2022- June 30, 2023):
Permits closed out/certificate of compliances issued - 50 full systems and 18 repaired systems.

Number of brochures taken from the Board of Health: 100

Message Date(s):

Ongoing throughout the year with the permitting process.
Weston Facebook Page - One (1) separate post throughout permit year.
Conservation Connections - Early Summer (June) 2023 - "Septic Sense" article about septic systems and maintenance.
Water/Tax Bill - Summer 2022 - "Septic Sense" article about septic systems and maintenance.

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:

Yes. As previously reported the Town implemented the use of social media for messaging, and the Tax / Water Bill Insert is now used to send out more detailed messaging about septic systems and their maintenance.

BMP:Rain Barrel Distribution Program & Promote Water Conservation

Message Description and Distribution Method:

The Town of Weston has collaborated with the Great American Rain Barrel Co. to offer residents the opportunity to buy discounted rain barrels to help homeowners save money, promote water conservation, and promote environmentally friendly landscaping practices. An educational press release/email about the program and its environmental benefits is issued as a part of this program. This information is also included in the DPW email list / FaceBook / DPW Weekly Updates.

Targeted Audience: Residents

Responsible Department/Parties: Department of Public Works

Measurable Goal(s):

The number of rain barrels distributed are tracked. During Permit Year 5, a total of 59 rain barrels were distributed to 31 residents. This distribution was associated with the Spring 2023 campaign. The Rain Barrel Distribution Program was implemented in 2019 but put on hold for 2020 due to COVID-19 impacts and resumed in 2021. Since the program's implementation, a total of 230 rain barrels have been distributed to 174 residents. The Rain Barrel Program also includes a water conservation messaging campaign.

DPW Weekly Updates - Five (5) from 4/8/2023 thru 5/10/2023
 Conservation Connections - N/A
 Weston Facebook Page - One (1) separate posts throughout permit year.
 Message Date(s): 4/16/2023, 4/26/2023, 5/5/2023, & 5/10/2023 Email to residents registered on the notification portal regarding the 2023 Rain Barrel Program and water conservation. Approx. 50 educational brochures were distributed at the Land Sake Earth Day and Celebrate Weston Day events in the Spring of 2023.

Message Completed for: Appendix F Requirements Appendix H Requirements

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

If yes, describe why the change was made:

In the Town's SWMP, the Rain Barrel Program was identified as a Public Participation item to be implemented in 2021. As previously reported, the program was implement 2019 instead of 2021. Weston sees this program as a combination of public education and public participation, where promoting water conservation and environmentally friendly landscaping practices can be tied in and highlighted during this campaign.

BMP: School Curricula / Programs**Message Description and Distribution Method:**

Information focused on stormwater and environmental issues presented to Weston Public School students. The presentations are typically given by the Town's Conservation Agent to high school environmental students.

This program last occurred in Fall 2019 (Permit Year 2) and was canceled for Fall 2020 (Permit Year 3), Fall 2021 (Permit Year 4) and Fall 2022 (Permit Year 5) due to COVID Restrictions. These activities are canceled for the Fall 2023 (Permit Year 6) because the High School will not have the Environmental Studies class during the 23/24 school year. The program is scheduled to resume for Fall 2024 (Permit Year 7).

Targeted Audience: Residents - High School Environmental Studies Class

Responsible Department/Parties:

Measurable Goal(s):

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: School Curricula/Programs

Message Description and Distribution Method:

Targeted Audience:

Responsible Department/Parties:

Measurable Goal(s):

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: Messaging on Winter Stormwater Protection

Message Description and Distribution Method:

Public education messaging about the impacts of ice and snow melt to stormwater and cold weather best management practices to prevent stormwater pollution. Message distributed via DPW Weekly Updates, Weston Facebook page, mailed as inserts in the Town's Water/Tax bill, and on the Town website. DPW Weekly Updates are posted on the Town website, emailed and text messaged to registered residents.

In order to address the public education requirements for chloride, the Town will also include an annual message in November/ December directed towards 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.

Targeted Audience: Residents, Commercial Property Owners

Responsible Department/Parties: DPW/Engineering

Measurable Goal(s):

A majority of the messaging occurs electronically. Distribution of email messaging is measured and social media messaging can be tracked via the views/likes/shares/engagements.

Inserts to the water or tax bills go to all residents receiving the bill.

Permit Year 6 - Developing and distributing educational messaging targeted to commercial property owners.

Message Date(s): DPW Weekly Updates - Weekly message between 11/27/2022 and April 1, 2023.
Weston Facebook Page - One (1) post on 1/12/2023
Water/Tax Bill Insert - Winter 2022

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:

As previously stated in the Year 3 report, this is a new item not included in the Town's NOI. Since the Year 3 report the Ton has expanded the scope of this public education item to incorporate the education requirements for "Chloride".

BMP: Earth Day Celebration at Land Sake Farm**Message Description and Distribution Method:**

DPW/Engineering had a table at this event. Information on display included a poster display of stormwater best practices, stormwater pollution sources and impacts, water conservation information, and Rain Barrel Program information with a rain barrel raffle. Town staff answered questions and distributed water conservation brochures.

Targeted Audience: General Public

Responsible Department/Parties: DPW/Engineering

Measurable Goal(s):

Approximate audience reached – 450

Message Date(s): 4/22/2023

Message Completed for: Appendix F Requirements Appendix H Requirements

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

If yes, describe why the change was made:

This was a new item added on the Permit Year 4 Annual Report.

BMP:School Curricula/Programs - Team up with Students for Environmental Action Club

Message Description and Distribution Method:

The Weston DPW / Engineering Department will work with the Weston High School's Environmental Action Club to develop public education materials and/or activities for the community. This could be helping club develop articles or public education materials for distribution, develop and participate in an organized activity aimed towards improving storm water quality, etc. Working with the students will bring a fresh perspective in developing ideas for stormwater quality awareness.

Targeted Audience: General Audience

Responsible Department/Parties: Weston DPW/Engineering

Measurable Goal(s):

TBD. Measurable goals will be dependant on the activities developed with this group.

Message Date(s): N/A

Message Completed for: Appendix F Requirements Appendix H Requirements

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

If yes, describe why the change was made:

This is a new item added to expand the public education program.

BMP:School Curricula/Programs - Elementary School Level

Message Description and Distribution Method:

During the Winter of 2022/2023 of Permit Year 5, the Engineering Division visited each kindergarten classroom in the District to discuss the storm water system and water quality.

During the fall of Permit Year 6, the Conservation Department will be teaming up with Weston Public Schools (Grade 2) and the Director of Conservation for Zoo New England, to do a wildflower and native planting project at the Case Estates. The project is funded by WEEFC and will include 8 classroom presentations and one community presentation, the focus will be on the importance of biodiversity and pollinator habitat, the value of native plantings as an alternative to turf lawn to aid in water conservation and improve water quality. Stormwater quality messaging will be incorporate into this presentation.

Targeted Audience: Elementary School Students

Responsible Department/Parties: Conservation, Engineering

Measurable Goal(s):

Number of events and students in attendance are documented.

On March 15, 2023 presentations were completed to all kindergartners at both of Weston's Elementary Schools (approx. 200 students).

Message Date(s): 3/15/2023

Message Completed for: Appendix F Requirements Appendix H Requirements

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

If yes, describe why the change was made:

Addition of public education programs targeted towards the elementary school.

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:**

Public Meetings - Stormwater Permitting Authority (SWPA) meetings are open to the public; and are given an opportunity to comment. During Year 5, SWPA meets occurred on 12/5/2022 and 4/5/2023. The meetings were advertised and agendas posted at the Town Hall Bulletin Board and on the Town's Online Meeting Calendar.

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:**

Rain Barrel Distribution Program: Spring, 2023; 64 Rain Barrels purchased (See Public Education summary).

Household Hazardous Waste Collection Day

9/10/2022 - 107 Cars

4/1/2023 - 175 Cars

Four separate posts were made on the Town's social media outlets to advertise the event and provide public education messaging about proper disposal of toxic chemicals.

Five (5) separate e-mails via the DPW messaging system were sent out to advertise the event and provide public education messaging about proper disposal of toxic chemicals.

The event was advertised in the Summer 2022 and Spring 2023 Tax Bill Insert.

MCM3: Illicit Discharge Detection and Elimination (IDDE)

Sanitary Sewer Overflows (SSOs)

Check off the box below if the statement is true.

- This SSO section is NOT applicable because we DO NOT have sanitary sewer

Below, report on the number of SSOs identified in the MS4 system and removed **during this reporting period**.

Number of SSOs identified:

Number of SSOs removed:

MS4 System Mapping

Optional: Provide additional status information regarding your map:

Based on the 2023 field investigations and mapping updates, the Town's MS4 Outfall count is now updated to 116 MS4 outfalls (137 original count – 20 structures deemed to be MassDOT/Private – 1 structure that is non-existent).

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:

Dry weather screening was conducted at Town Outfalls and Interconnections on May 30th, May 31st, June 1st, and June 20th, 2023. After evaluating the Town's MS4 inventory, and confirming MassDOT ownership of other structures, it was determined that there were 97 remaining outfalls in need of the initial dry weather screening. It was also identified that one (1) outfall and interconnection did not exist. A total of 97 outfalls and eight (8) interconnections were screened, of which only 10 outfalls were found to be flowing during dry weather.

Based on the 2023 field investigations and mapping updates, the Town's MS4 Outfall count is now updated to 116 MS4 outfalls (137 original count – 20 structures deemed to be MassDOT/Private – 1 structure that is non-existent). The eight (8) interconnections were visited and there was no flow found and no signs of illicit connections during the site visits.

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:

In accordance with the 2016 Massachusetts MS4 General Permit, the Town of Weston must perform catchment investigations at each of the Town's 116 catchments by the end of the Permit term (i.e., Year 10). On June 21, 2023, and between July 19, 2023, and July 20, 2023, during dry weather conditions, 24 catchments were visited. Catchment investigations at 19 catchments were fully completed, initial field investigations were completed at four (4) catchments and require additional Town follow up and one (1) catchment is incomplete and requires further inspection. Additionally, flow was encountered at three (3) catchments.

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:**

Illicit Discharge Detection and Elimination (IDDE) Workshop - Training 6/30/2023
 Snow Plowing/Sanding/Salting Operations Training - 11/16/2022 and 12/16/2022
 Vehicle Maintenance Training - 4/20/2022 and 10/24/2022 (included handling of spills and cleanups)

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:

There is a Stormwater & Erosion Control Bylaw in Weston. There are Minor and Major Stormwater Management Permits depending on the type of project and amount of disturbance. A Minor Permit may require only an inspection of the erosion controls if there are no drainage facilities; A Major Permit typically requires the inspections of the bottom of any infiltration facilities, and inspection of the constructed system before backfill. Plus the inspection of the erosion controls before any site work or disturbance begins.

The Stormwater & Erosion Control Regulations associated with this bylaw are in the process of being revised. It is expected that the revised regulations will be presented at a SWPA public meeting and voted on during the 2023/24 permit year.

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

Ordinance or Regulatory Mechanism

Date update was completed (due in year 3):

Stormwater & Erosion Control By-Law in effect 7/3/2014
Stormwater & Erosion Control Regulations - approved 11/28/2011, revised 3/14/2012, revised 5/23/2019

Website of ordinance or regulatory mechanism:

<https://www.weston.org/239/The-Stormwater-By-law>

As-built Drawings

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

Number of as-built drawings received:

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

Street Design and Parking Lots Report

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

The Town of Weston has assessed the current street design and parking lot guidelines and other local requirements that affect the creation of impervious cover, and summarized those findings in a report. This exercise showed opportunities for changes to the existing design standards to support low impact design options. During Year 6, the Town's Engineering Division will champion the effort of coordinating with the various Town boards and departments to identify appropriate, propose recommendations to incorporate policies and standards into the relevant regulatory mechanisms to minimize impervious cover in parking areas and street designs. The status of any planned or completed changes to the relevant regulatory mechanisms shall be reported in each MS4 annual report.

Green Infrastructure Report

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

The Town of Weston has assessed the existing local regulatory mechanisms to determine the feasibility of making the following practices allowable when appropriate site conditions exist: (1) green roofs, (2)

infiltration practices such as rain gardens, curb extensions, planter gardens, porous and pervious pavements, and nature-based stormwater management practices, (3) water harvesting devices such as rain barrels and cisterns, and the use of stormwater for non-potable uses, (4) open space preservation or cluster development practices. This exercise showed where these practices are allowed, and if not, what regulatory mechanisms hinder the use of these practices. During Year 6, the Town's Engineering Division will champion the effort of coordinating with the various Town boards and departments to identify appropriate, proposed recommend changes to local regulations necessary to make these practices allowable. The status of any planned or completed changes to the relevant regulatory mechanisms shall be reported in each MS4 annual report.

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):

195 Church Street - Weston Transfer Station
 0 Ash Street - Municipally owned land along Ash Street – in area of future Ash Street work.
 460 Wellesley Street – Wellesley Street Pump Station.
 0 Boston Post Road Bypass – Municipally owned land along Boston Post Road Bypass. This is the land for the wetland expansion project Town is coordinating CRWA.
 0 Viles Street / 86 Brook Road – Town owned park / Czarnowski Field
 0 Boston Post Road (Sibley Road area) - MWRA owned land that receives runoff from Sibley Road public ROW.

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. 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.

N/A

MCM6: Good Housekeeping

Catch Basin Cleaning

*Below, report on the number of catch basins inspected and cleaned, along with the total volume of material removed from the catch basins **during this reporting period.***

Number of catch basins inspected:

Number of catch basins cleaned:

Total volume or mass of material removed from all catch basins:

Below, report on the total number of catch basins in the MS4 system.

Total number of catch basins:

If applicable:

Report on the actions taken if a catch basin sump is more than 50% full during two consecutive routine inspections/cleaning events:

Street Sweeping

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

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

Stormwater Pollution Prevention Plan (SWPPP)

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

Number of site inspections completed:

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

No corrective actions were taken.

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:

The Cambridge Water Department provides monthly water quality data from the stream flow gauges at multiple locations in Weston. Water quality data is attached to this submittal.

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. If any of the above year 5 requirements could not be completed due to the impacts of COVID-19, please identify the requirement that could not be completed, any actions taken to attempt to complete the requirement, and reason the requirement could not be completed below:

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 6 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 6 below:

SWMP to be updated during Permit Year 6.

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: Title:

Signature: Date:

[Signatory may be a duly authorized representative]