

Year 6 Annual Report

Massachusetts Small MS4 General Permit

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

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

Unless otherwise noted, all fields are required to be filled out. If a field is left blank, it will be assumed the requirement or task has not been completed. Please ONLY report on activities between July 1, 2023 and June 30, 2024 unless otherwise requested.

Part I: Contact Information

Name of Municipality or Organization:

EPA NPDES Permit Number:

Primary MS4 Program Manager Contact Information

Name:

Title:

Street Address Line 1:

Street Address Line 2:

City:

State:

Zip Code:

Email:

Phone Number:

Stormwater Management Program (SWMP) Information

SWMP Location (publicly available web address):

Date SWMP was Last Updated:

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

Part II: Self-Assessment

First, in the box below, select the impairment(s) and/or TMDL(s) that are applicable to your MS4. Make sure you are referring to the most recent EPA approved Section 303(d) Impaired Waters List which can be found [here](#):

Impairment(s)			
<input checked="" type="checkbox"/> Bacteria/Pathogens	<input type="checkbox"/> Chloride	<input type="checkbox"/> Nitrogen	<input checked="" type="checkbox"/> Phosphorus
<input checked="" type="checkbox"/> Solids/ Oil/ Grease (Hydrocarbons)/ Metals			
TMDL(s)			
<i>In State:</i>	<input type="checkbox"/> Assabet River Phosphorus	<input type="checkbox"/> Bacteria and Pathogen	<input type="checkbox"/> Cape Cod Nitrogen
	<input type="checkbox"/> Charles River Watershed Phosphorus	<input type="checkbox"/> Lake and Pond Phosphorus	
<i>Out of State:</i>	<input type="checkbox"/> Bacteria/Pathogens	<input type="checkbox"/> Metals	<input checked="" type="checkbox"/> Nitrogen
			<input type="checkbox"/> Phosphorus
<div style="border: 1px solid black; padding: 2px 10px; display: inline-block;">Clear Impairments and TMDLs</div>			

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

Annual Requirements

- ☐ Provided an opportunity for public participation in review and implementation of SWMP and complied with State Public Notice requirements
- ☒ Kept records relating to the permit available for 5 years and made available to the public
- ☒ The SSO inventory has been updated, including the status of mitigation and corrective measures implemented
 - ☐ This is not applicable because we do not have sanitary sewer
 - ☐ This is not applicable because we did not find any new SSOs
 - ☒ The updated SSO inventory is attached to the email submission
 - ☐ The updated SSO inventory can be found at the following publicly available website:
- ☐ Updated system map due in year 10 with information from completed catchment investigations
- ☒ Provided training to employees involved in IDDE program within the reporting period
- ☒ Properly stored and disposed of catch basin cleanings and street sweepings so they did not discharge to receiving waters
- ☒ All curbed roadways were swept at least once within the reporting period
- ☒ Enclosed all road salt storage piles or facilities and implemented winter road maintenance procedures to minimize the use of road salt
- ☐ Implemented SWPPPs for all permittee owned or operated maintenance garages, public works yards, transfer stations, and other waste handling facilities
- ☐ Updated inventory of all permittee owned facilities as necessary

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

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

A SWPPP has been created for the Department of Public Services Highway Division Garage. City owned facilities that still require a SWPPP are Taconic High School garage and Springside Park garage.

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

Annual Requirements

*Public Education and Outreach**

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

** Public education messages can be combined with other public education requirements as applicable (see Appendix H and F for more information)*

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

The City has created a draft postcard mailer to send to properties that have septic systems or are suspected to have septic systems. The postcard will be mailed in Permit Year 7.

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 6):**

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

Total amount of salt applied **during this reporting period** _____
(year 6) including units:

0

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:

Nitrogen (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) that encourages the proper use and disposal of grass clippings and encourages the proper use of slow-release 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*):

Rain Garden

Any structural BMPs listed in Attachment 3 to Appendix F already existing or installed in the regulated area by the permittee or its agents was tracked and the nitrogen 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 nitrogen removed in mass per year by the BMP were documented.

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

Total estimated nitrogen removed in lbs/year from the installed BMPs: 0

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

Phosphorus (Combination of Impaired Waters Requirements and TMDL Requirements as Applicable)**Annual Requirements***Public Education and Outreach**

- ☒ Distributed an annual message in the spring (April/May) encouraging the proper use and disposal of grass clippings and encouraging the proper use of slow-release and phosphorus-free fertilizers
- ☒ Distributed an annual message in the summer (June/July) encouraging the proper management of pet waste, including noting any existing ordinances where appropriate
- ☒ Distributed an annual message in the fall (August/September/October) encouraging the proper disposal of leaf litter

** Public education messages can be combined with other public education requirements as applicable (see Appendix H and F for more information)*

Good Housekeeping and Pollution Prevention for Permittee Owned Operations

- ☒ Increased street sweeping frequency of all municipal owned streets and parking lots subject to Permit part 2.3.7.a.iii.(c) to a minimum of two times per year (spring and fall)

Structural BMPs

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

Rain Garden

- ☐ Any structural BMPs already existing or installed in the regulated area by the permittee or its agents was tracked and the phosphorus removal by the BMP was estimated consistent with Attachment 3 to Appendix F. The BMP type, total area treated by the BMP, the design storage volume of the BMP, and the estimated phosphorus removed in mass per year by the BMP were documented.

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

Total estimated phosphorus removed in **lbs/year** from the installed BMPs: 0

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:

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:

- ☒ 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:

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

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

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

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

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

- ☐ 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:

- ☐ 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:

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

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

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:

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:

Lake and Pond 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 reduction required from LPCP

Area (**lbs/year**) [A]:

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

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

Phosphorus load increase due to development incurred since baseline loading was calculated in **lbs/year** [D]:

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

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 31.00 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:

- ☐ Documented the structural control measures implemented during **this reporting period and all previous years**, including location, phosphorus reduction in weight/year, and date of last completed maintenance and inspection for each control. The nonstructural 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:

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

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

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:

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

Part III: Receiving Waters/Impaired Waters/TMDL

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

- ☒ Yes
☐ No

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

Updates based on the adoption of the Massachusetts 2022 Integrated List of Waters:

- *Silver Lake (MA21907): added as Category 5 waterbody for PCBs in Fish Tissue impairment*
- *Pontoosuc Lake (MA21083): removed Non-Native Aquatic Plants impairment and added Brittle Naiad – Najas Minor, Curly-leaf Pondweed, and Water Chestnut impairments*
- *Housatonic River (MA21-04): removed Non-Native Aquatic Plants impairment and added PCBs in Sediment and Water Chestnut impairments*
- *Southwest Branch, Housatonic River (MA21-17): added Temperature impairment*
- *West Branch, Housatonic River (MA21-18): removed Combined Biota/Habitat Bioassessments and PCBs impairments, added Habitat Assessment, Lack of a coldwater assemblage, PCBs in Sediment, and Temperature impairments, and changed trash impairment*
- *Onota Lake (MA21078): changed from a Category 4c to 5 waterbody. Removed Non-Native Aquatic Plants impairment and added Brittle Naiad – Najas Minor, Curly-leaf Pondweed, Dissolved Oxygen, and Water Chestnut impairments*
- *Richmond Pond (MA21088): Removed Non-native Aquatic Plants impairment and added Brittle Naiad – Najas Minor and Curly-leaf Pondweed impairments*
- *Churchill Brook – Changed from a Category 3 to 2 waterbody.*

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: Be a Leaf Litter Champion

Message Description and Distribution Method:

This was a social media post encouraging proper yard waste disposal. The two photo infographic was posted on the City's website and on the City Hall's Facebook page.

Targeted Audience:

Responsible Department/Parties:

Measurable Goal(s):

The Facebook post was posted on the City Hall's page which has 6.7k followers and received 4 likes and three shares.

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: Dog Waste Brochure

Message Description and Distribution Method:

The brochure discusses proper disposal of dog waste and negative environmental effects of not cleaning up the waste. The brochure was incorporated into the City's dog licensing campaign in spring 2023 and was posted in the City Clerk's office and on two bulletin boards at City Hall. It was handed out to all residents who came in to register their dog in person and was mailed to all who registered online.

Targeted Audience:

Responsible Department/Parties:

Measurable Goal(s):

Number of brochures distributed: 2,700

Message Date(s): 7/1/2023 through 6/30/2024

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

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

If yes, describe why the change was made:

BMP: Be a Stormwater Steward

Message Description and Distribution Method:

This was a social media post encouraging proper use and disposal of grass clippings and slow-release fertilizers. The two photo infographic was posted on the City's website and on the City Hall's Facebook page.

Targeted Audience: Residents

Responsible Department/Parties: Engineering

Measurable Goal(s):

The Facebook post was posted on the City Hall's page which has 6.7k followers and received 27 likes, 10 shares, and 8 comments.

Message Date(s): Posted 5/7/2024

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

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

If yes, describe why the change was made:

Add an Educational Message

MCM2: Public Participation

Describe the opportunity provided for public involvement in the development of the Stormwater Management Program (SWMP) **during this reporting period:**

The SWMP is publicly available on the City's website. There was no public involvement in the development of the SWMP this reporting period.

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**:

A hazardous waste collection event was held on October 21, 2023 at the highway yard, where approximately 1,080 pounds of hazardous waste was collected.

HVA and BEAT hosted a Housatonic River Cleanup on June 29, 2024 at Wahconah Park.

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 City's MS4 system map includes the stormwater pipes, manholes, catch basins, and municipal sanitary sewer system. Phase II mapping items that need to be completed include:

- Confirm existence, survey, and collect field data of assets in known incomplete areas of the Storm Sewer System map.*
- Refine spatial location of outfalls.*
- Refine catchment delineations.*

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:

The City has inspected a total of 259 of the 465, or 56% of the total outfalls in its MS4 system. The City is planning to continue its outfall sampling efforts.

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:

Upon completion of all outfall screenings, catchment investigations will begin, and will aim to complete all catchment investigations by the end of the Permit.

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**:

One day of IDDE training was held on 5/13/2024 for City staff to train for dry weather IDDE outfall screenings.

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 were 4 site plans reviewed and permits issued for PEDA Lot 9, Gerald Doyle Park, and Churchill Street. The following sites were inspected:
a. Onota Lake Boat House – Williams college. No initial inspection, EPSC measures observed part way through project and inspection to see EPSC measures were removed for final condition.
b. PEDA Site 9 – Initial inspection only there were/are a consultant firm reporting on behalf of owner to state

and federal level agencies.

c. Gerald Doyle Park – Initial inspection Parks and Open Space was heavily involved in project and onsite to observe.

d. Churchill Street Tree Clearing (no assigned street # to undeveloped parcel) – Initial & final inspection. work on a smaller parcel the is part of a common plan of development which is over an acre disturbance.

The one enforcement action taken was a letter sent to 8 Curtis Street for allowing road marking paint laden runoff to discharge to city stormwater. no further action has been necessary.

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

Ordinance or Regulatory Mechanism

Date update was completed (due in year 3):

Website of ordinance or regulatory mechanism:

As-built Drawings

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

Number of as-built drawings received: 0

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

Partial as-builts have been received from the Bousquet Ski Mountain project.

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:

In Permit Year 5, draft revisions for the identified regulations and ordinances were created from the report completed in Permit Year 4 to prevent excess impervious area creation. Draft revisions are attached in the email. The draft revisions are planned to be reviewed by relevant City departments and to be reviewed by the City Solicitor for legal sufficiency. They are subject to change pending review and will be finalized and implemented in Year 7. The draft revisions address the following topics:

- Street Width (Subdivisions): Minimizing minimum and maximum paving widths for Subdivision street classifications for streets with pedestrian amenities and without street parking in accordance with Residential Road Design from Sustainable Neighborhood Road Design: A Guidebook for MA Cities and Towns.
- Dead End Streets (Subdivisions): Requires landscaped islands inside of a Cul-De-Sac to be a minimum 40' to minimize impervious area. Allow one way loop streets if layout conditions are correct.

-Parking Space Requirements (Zoning): Allow reductions of parking requirements when in the presence of alternative transportation at the discretion of the City.

-Parking Lot Design (Zoning): Decreasing parking stall sizes, incorporating compact car stalls with smaller

Green Infrastructure Report

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

In Permit Year 5, draft revisions for the identified regulations and ordinances were created from the report completed in Permit Year 4 for Green Infrastructure. Draft revisions are attached in the email. The draft revisions are planned to be reviewed by relevant City departments and to be reviewed by the City Solicitor for legal sufficiency. They are subject to change pending review and will be finalized and implemented in Year 7. The draft revisions address the following topics:

- Dead End Streets (Subdivisions): Requires vegetated islands to be a bioretention area if topographical and hydrological soil conditions are favorable. Allow perforated curbing, notches or cuts on curbing around bioretention islands, allow perforated under drain that ties into a traditional piped system at the discretion of the Planning Board.*
- ROW (Subdivisions): Allow native vegetation/landscaping common to infiltration or bioretention infrastructure (such as swales, rain gardens, tree box filters, etc.) in between the sidewalk and the road.*
- GI (Zoning): Allow (or require at the City's discretion) developers to incorporate GI into screening areas, buffer areas, parking lots, and open space areas if topographical and hydrological soil conditions are favorable.*
- Curbing (Zoning): Allow curb cuts, notches, perforated curbing in parking lots if used for an adjacent GI installation.*
- Parking lots (Zoning): Allow vegetated parking lot islands to be used for bioretention if topographical and hydrologic soil conditions exist.*

Retrofit Properties Inventory

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

The following properties have been identified by the City and are presented in the Nitrogen and Phosphorus Source Identification report that could be modified or retrofitted with BMPs in high priority catchment areas to mitigate impervious areas:

Parcel ID # 1223937 Allendale Elementary School - 180 Connecticut Avenue
Parcel ID # 1210365 Egremont Elementary - 84 Agremont Avenue
Parcel ID # 1217454 Morningside Middle School - 100 Burbank Street
Parcel ID # 1213967 Pittsfield High School - 300 East Street
Parcel ID # 121762 Pittsfield Highway Department - 232 West Housatonic Street

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 properties have been modified or retrofitted with BMPs to mitigate impervious area and are presented in the Nitrogen and Phosphorus Source Identification report:

West Housatonic Street @ Elizabeth Street rain garden

Oak Hill Apartments detention basins

North Street rain garden

MCM6: Good Housekeeping

Catch Basin Cleaning

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

Number of catch basins inspected:

Number of catch basins cleaned:

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

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

Total number of catch basins:

If applicable:

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

Street Sweeping

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

☒ Number of miles cleaned:

☐ Volume of material removed:

☐ Weight of material removed:

Stormwater Pollution Prevention Plan (SWPPP)

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

Number of site inspections completed:

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

At the DPS Highway Division Garage, diesel was found to be leaking from the asphalt hitch during SWPPP inspection on 5/13/2024. Diesel was cleaned up with absorbent on 5/13/2024.

Additional Information

Monitoring or Study Results

Results from any other stormwater or receiving water quality monitoring or studies conducted during the reporting period not otherwise mentioned above, where the data is being used to inform permit compliance or permit effectiveness must be attached.

- ☒ Not applicable
- ☐ The results from additional reports or studies are attached to the email submission
- ☐ The results from additional reports or studies can be found at the following publicly available website(s):

If such monitoring or studies were conducted on your behalf or if monitoring or studies conducted by other entities were reported to you, a brief description of the type of information gathered or received shall be described below:

Additional Information

Optional: Enter any additional information relevant to your stormwater management program implementation during the reporting period. Include any BMP modifications made by the MS4 if not already discussed above.

Year 7

Activities Planned for Next Reporting Period

Please confirm that your SWMP has been, or will be, updated to comply with all applicable permit requirements including but not limited to the year 7 requirements summarized below. (Note: impaired waters and TMDL requirements are not listed below)

Yes, I agree ☒

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

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

Annual Requirements

- Annual report submitted and available to the public
- Annual opportunity for public participation in review and implementation of SWMP
- Keep records relating to the permit available for 5 years and make available to the public
- Properly store and dispose of catch basin cleanings and street sweepings so they do not discharge to receiving waters
- Annual training to employees involved in IDDE program
- Update inventory of all known locations where SSOs have discharged to the MS4
- Continue public education and outreach program
- Update outfall and interconnection inventory and priority ranking and include data collected in connection with the dry weather screening and other relevant inspections conducted
- Implement IDDE program
- Review site plans of construction sites as part of the construction stormwater runoff control program
- Conduct site inspection of construction sites as necessary
- Inspect and maintain stormwater treatment structures
- Log catch basins cleaned or inspected
- Sweep all curbed streets at least annually
- Continue investigations of catchments associated with Problem Outfalls
- Implemented SWPPPs for all permittee owned or operated maintenance garages, public works yards, transfer stations, and other waste handling facilities
- Review inventory of all permittee owned facilities in the categories of parks and open space, buildings and facilities, and vehicles and equipment; update if necessary
- Review O&M programs for all permittee owned facilities; update if necessary
- Implement all maintenance procedures for permittee owned facilities in accordance with O&M programs
- Implement program for MS4 infrastructure maintenance to reduce the discharge of pollutants
- Enclose all road salt storage piles or facilities and implemented winter road maintenance procedures to minimize the use of road salt
- Review as-built drawings for new and redevelopment to ensure compliance with post construction bylaws, regulations, or regulatory mechanism consistent with permit requirements
- Inspect all permittee owned treatment structures (excluding catch basins)
- Identify additional permittee-owned properties that could potentially be modified or retrofitted with BMPs to reduce impervious areas so that the permittee maintains a minimum of 5 sites in their inventory, until such a time when the permittee has less than 5 sites remaining

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

- *Finalize Ordinance revisions*
- *Send out septic messaging*
- *Implement maintenance procedures for permittee owned facilities in accordance with O&M programs.*
- *Complete catchment investigations to target catchment areas with problem and high priority ranked outfalls*
- *Continue dry weather and wet weather outfall investigations*

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:

TYLER SHEDD

Title:

CITY ENGINEER

Signature:

Tyler Shedd

Date:

9/30/24

[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:

MassDEP:

Paper Signature:

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

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.

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