

Year 6 Annual Report
Massachusetts Small MS4 General Permit
Reporting Period: July 1, 2023-June 30, 2024

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

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

Part I: Contact Information

Name of Municipality or Organization:

EPA NPDES Permit Number:

Primary MS4 Program Manager Contact Information

Name: Title:

Street Address Line 1:

Street Address Line 2:

City: State: Zip Code:

Email: Phone Number:

Stormwater Management Program (SWMP) Information

SWMP Location (publicly available web address):

Date SWMP was Last Updated:

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

Part II: Self-Assessment

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

Impairment(s)

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

TMDL(s)

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

Out of State:
 Bacteria/Pathogens
 Metals
 Nitrogen
 Phosphorus

Clear Impairments and TMDLs

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

Annual Requirements

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

- Updated system map due in year 10 with information from completed catchment investigations
- Provided training to employees involved in IDDE program within the reporting period
- Properly stored and disposed of catch basin cleanings and street sweepings so they did not discharge to receiving waters
- All curbed roadways were swept at least once within the reporting period
- Enclosed all road salt storage piles or facilities and implemented winter road maintenance procedures to minimize the use of road salt
- Implemented SWPPPs for all permittee owned or operated maintenance garages, public works yards, transfer stations, and other waste handling facilities

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

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

The City of Newton outsources IDDE Program field work to consultant Woodard & Curran and contractors Stacey Depasquale Engineering, Inc. No internal staff are involved in fieldwork outside of administrative and record keeping roles.

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:

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:** 7500 tons (NaCl) + 12,000 gal (Brine)

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*):

City of Newton held two public meetings in partnership with CRWA to publically demonstrate proposed BMPs for the Cheesecake Brook watershed (biofiltration & subsurface infiltration) pending installation PY7

- 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: -85.65

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:

Municipally Owned BMP Phosphorus removal (Constructed): -23.46 lbs/yr
 Municipally Owned BMP Phosphorus removal (Planned): -11.19 lbs/yr
 Private Owned BMP Phosphorus removal (Constructed): -62.15 lbs/yr
 Private Owned BMP Phosphorus removal (Planned): -41.44 lbs/yr

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:

Street Sweeping information can be found in Attachment A: "PY6 Performance Evaluation Memorandum"

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]:	8,562.8
Total phosphorus reduction from all nonstructural controls implemented this reporting period (lbs/year) [B]:	-63.44
Total phosphorus reduction from all structural controls installed this reporting period and all previous years (lbs/year) [C]:	-85.65
Phosphorus load increase due to development incurred since 2005 in lbs/year [D]:	-518.3

Current phosphorus export rate from the PCP Area in **lbs/year [=A-(B+C)+D** from above]: 7,895.41

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:

All information above can be found in Attachment A: "PY6 Performance Evaluation Memorandum"

Privately Owned BMP Inventory and City Owned BMP Inventory to be regularly updated with any prior existing structural control measures as backdated data is compiled.

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:

Part III: Receiving Waters/Impaired Waters/TMDL

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

- Yes
- No

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

Part IV: Minimum Control Measures

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

MCM1: Public Education

Number of educational messages completed during this reporting period:

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

BMP:Mayor's Update: Help Us Keep Storm Drains Clear

Message Description and Distribution Method:

Public educational material distributed to residents and commercial business owners on how to keep their catch basins clear and the importance of why during peak fall seasons. Informing residents of the importance of our drainage system and that clear catch basins are integral to keeping our system functioning properly, reducing pollutant load and mitigating flood risk.

Distribution Method: Newsletter and Website Posting

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:Be Septic Smart - Don't Strain Your Drain!

Message Description and Distribution Method:

EPA Public Educational Mailers distributed to all residents with a Septic System on their property as part of Septic Smart Week. Mailers emphasize the importance of routine inspection and maintenance of septic systems to ensure long term function and reduce environmental contamination.

Distribution Method: Physical Mailers

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:Mayor's Update: Less is More when it comes to Deicing

Message Description and Distribution Method:

Distribution Method: Newsletter and Website Posting

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:Stormwater Management Certificate of Compliance Overview Document

Message Description and Distribution Method:

Distribution Method: Email List via OpenGov

Targeted Audience: Developers (construction)

Responsible Department/Parties: DPW Engineering

Measurable Goal(s):

This memo was distributed via email to approximately 315 developers recorded as previously performing work via the City's OpenGov permitting portal.

Message Date(s): 3/19/24

Message Completed for: Appendix F Requirements Appendix H Requirements

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

If yes, describe why the change was made:

BMP:Properly Dispose of Pet Waste - it's the Law!

Message Description and Distribution Method:

Public educational material related to the proper disposal expectations of all new and renewing dog license holders. The website page includes a link to a map depicting all pet waste stations throughout the city and flyers are included with required documents during walk-in visits.

Distribution Method: Posted online and provided with documents during dog licensing process. Flyers handed out at City Clerk's office.

Targeted Audience: Residents

Responsible Department/Parties: City Clerk's Office

Measurable Goal(s):

Approximately 3,707 dog licenses were issued during the permit year to residents. Residents are informed of the pet waste disposal law and are provided a pamphlet during time of licensing.

Message Date(s): On-going

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:Construction Season & Stormwater - Avoid pollution and erosion by...

Message Description and Distribution Method:

Public Educational Material by CMRSWC detailing the importance of erosion control practices on the construction site posted on the @NewtonDPW X (formerly Twitter) account.

Distribution Method: Newton DPW X (formerly Twitter)

Targeted Audience: Developers (construction)

Responsible Department/Parties: DPW Construction

Measurable Goal(s):

This memo was distributed via @NewtonDPW X (formerly Twitter) account which has 1,008 followers. No erosion control enforcements have been triggered during on-site inspections this permit period.

Message Date(s): 6/4/24

Message Completed for: Appendix F Requirements Appendix H Requirements

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

If yes, describe why the change was made:

BMP:Public O&M Mailer - Maintaining the Stormwater Control Measures on your Property Annually

Message Description and Distribution Method:

Public Educational Mailers distributed to all private properties on running Non-MS4 inventory with confirmation of installation that have passed City inspection. Brochure details the importance of inspecting on-site stormwater control measures as the property owner's responsibility. It also details how to submit routine inspection reports to the City for tracking.

Distribution Method: Physical Mailers

Targeted Audience: Residents & Business, institutions, and commercial facilities

Responsible Department/Parties: DPW Engineering

Measurable Goal(s):

Public Educational Mailers distributed to 222 private properties throughout the City with confirmed installed stormwater control measures.

Message Date(s): 6/6/24

Message Completed for: Appendix F Requirements Appendix H Requirements

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

If yes, describe why the change was made:

BMP:Yard Waste and Fertilizer Use - You can help!

Message Description and Distribution Method:

Public Educational Mailers distributed as a bill insert within quarterly utility bills. Material discusses the importance of proper yard waste management and its role in stormwater pollution and what property owners can do to help. Material also details the hazards of chemical fertilizers and their runoff potential if not applied properly while proposing alternatives such as leaf mulching to avoid introduction of excess nutrients.

Targeted Audience: Residents, Industrial ,& Business, institutions, and commercial facilities

Responsible Department/Parties: DPW Sustainable Materials Management Division

Measurable Goal(s):

Public Educational Mailers distributed to 30,493 private properties throughout the City alongside quarterly utility bills.

Message Date(s): 6/6/24

Message Completed for: Appendix F Requirements Appendix H Requirements

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

If yes, describe why the change was made:

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:**

Harvest Fair Stormwater Booth (10/15/2023): Engineering Division Stormwater Booth with Enviroscape Model for Kids, Distributed Public Educational Material and engaged with resident's stormwater comments during event.

CRWA " What's New With Cheesecake Brook" Public Webinar (2/22/2024) - Environmental Engineer represented Newton DPW in a public webinar regarding stormwater pollution and what property owners can do to mitigate runoff into their local watershed (Cheesecake Brook).

Newton South Highschool Community Pathways Event (3/27/2024): Environmental Engineer and Office Engineer represented Newton DPW in a highschool career fair describing the responsibilities that the City has taken up in regards to stormwater mitigation, offering career advice to high schoolers interested in pursuing a field in environmental sciences/engineering. Distributed public educational material to families about how

they can mitigate their environmental impact and engaged with residents on their stormwater comments during event.

Alex Griswold - Interview on the Streams of Newton and Stormwater Management (3/29/2024): The Environmental Engineer and City Engineer represented DPW in an interview for a exhibit project by a Newton resident on the history of Newton Streams, stormwater, and entering an era of climate change uncertainty. The interview will be transcribed in a format to incorporate into author's book and to support the resident's exhibit on display at the Newton Free Library.

CRWA "Cheesecake Brook and Albemarle Field" Public/Hybrid Meeting (5/30/2024): The Environmental Engineer represented Newton DPW during a public/hybrid meeting regarding the progress of stormwater BMPs along the Albemarle Corridor and the Albemarle Field Improvements project. The meeting was hosted in partnership with the Charles River Watershed Association on Cheesecake Brook Restoration. Public Feedback was requested to envision what the future of the brook may look like.

"Cheesecake Brook and Other Waters of Newton, Massachusetts" Reception Event (6/11/2024): The Environmental Engineer represented Newton DPW during a public reception of Alex Griswold's "Cheesecake Brook and Other Waters of Newton, Massachusetts" reception event at the Newton Free Library to discuss the state of Newton's streams and impairments as well as discuss the City's MS4 and how stormwater pollution impacts water quality and ecosystem health.

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:**

Newton has a 311 system and dedicated customer service division. No requests concerning the MS4 were submitted during this Permit Year.

In FY24, Newton ran 18 household hazardous waste collection events. Chemicals collected include flammable paints, solvents, pesticides, and fertilizers. Approximately 838 households took part in household hazardous waste collection events, helping keep such hazardous materials out of our sewer or drainage utilities.

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:

City Consultant Woodard & Curran is providing the City with a list of mapping discrepancies found based on field work performed by SDE throughout the on-going IDDE program investigations. The City will then move forward with updating its GIS database to incorporate these findings for the Phase II mapping requirement.

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 of Newton has completed its Dry Weather and Wet Weather outfall screening requirements during Permit Year 3 (FY21) and Permit Year 4 (FY22) respectively. The city continues to monitor outfalls on an as-needed basis in conjunction with our IDDE program.

Catchment Investigations

If conducted, please submit all data collected during this reporting period as part of the dry and wet weather investigations. Also include the presence or absence of System Vulnerability Factors for each catchment.

- No catchment investigations were conducted
- The catchment investigation data is attached to the email submission
- The catchment investigation data can be found at the following publicly available website:

*Below, report on the number of catchment investigations completed **during this reporting period.***

Number of catchment investigations completed this reporting period:

*Below, report on the percent of catchments investigated **to date.***

Percent of total catchments investigated:

Optional: Provide any additional information for clarity regarding the catchment investigations below:

The City of Newton utilizes 320 miles or 1.7 million ft of drainage pipe infrastructure. Our IDDE program

progress is reported out based on distance of pipe inspected in which approximately 1 million ft of pipe within our total catchments have been investigated. Drainage utilities in problem catchments were prioritized with the City proceeding to inspect lower priority catchments in future reporting periods. Further details can be found in the provided Attachment B: "Permit Year 6 MS4 Annual Report: IDDE Status"

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:

Single Family Residence on Newtonville Avenue has active engineering construction permit to remove illicit connection.

Public Sewer Main on Intervale Rd to be included in future CIP project with City contractor to be relined.

Single Family Residence on Pembroke St has active engineering construction permit to remove illicit connection.

Please see Attachment B: "Permit Year 6 MS4 Annual Report: IDDE Status" for detailed spreadsheet of verified direct illicit connections.

Employee Training

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

The City of Newton outsources IDDE Program field work to consultant Woodard & Curran and contractors Stacey Depasquale Engineering, Inc. No internal staff are involved in fieldwork outside of administrative and

record keeping roles.

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: 168

Number of inspections completed: 115

Number of enforcement actions taken: 0

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

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

Ordinance or Regulatory Mechanism

Date update was completed (due in year 3): 6/1/22

Website of ordinance or regulatory mechanism: <https://www.newtonma.gov/government/public-works/water-sewer-division/stormwater-resources>

As-built Drawings

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

Number of as-built drawings received: 51

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:

Report brought to the attention of City Planning Department. No further actions taken during this permit year.

Green Infrastructure Report

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

Green Infrastructure and Subsurface Stormwater Control Measures selected to be added to the City's General Construction Details.

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):

1. Albemarle Park, 250 Albemarle Rd - Infiltration Basin, Bioretention, and Biofiltration concepts in design.
2. McGrath Park, 1600 Washington St - Infiltration Basin concept in design.
3. Countryside Elementary School, 191 Dedham St - Infiltration Basin concept in design.
4. Crystal Lake Pedestrian Island, Crystal St & Lake Ave - Infiltration Basin concept in design.
5. Franklin Elementary School, 125 Derby St - Infiltration Basin concept in planning.
6. Newton Centre Playground, Tyler Ter & Centre St - Infiltration Basin concepts in planning.
7. Pellegrini Park, Watertown St & Hawthorn St - Infiltration Basin concept in planning.
8. Newton Centre Public Parking Lot, Pelham St - Infiltration Basin concept in planning.

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.

See Attachment A: "PY6 - Performance Evaluation Memorandum" for detailed inventories for the below BMP credits:

Municipally Owned BMP Phosphorus removal (Constructed): -23.46 lbs/yr

Municipally Owned BMP Phosphorus removal (Planned): -11.19 lbs/yr

(Non-MS4) Private Owned BMP Phosphorus removal (Constructed): -62.15 lbs/yr

(Non-MS4) Private Owned BMP Phosphorus removal (Planned): -41.44 lbs/yr

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:

Quarter 3 (January - March 2024) Inspection of Crafts St DPW Yard found that the Salt Shed experienced storm water leakage through wall causing runoff to carry salt into yard, staining asphalt. Issue was brought up to DPW Streets Division who installed runoff control measures and cleaned pavement, runoff did not reach catch basin. Repairs to Salt Shed underway.

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

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

Year 7

Activities Planned for Next Reporting Period

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

Yes, I agree

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

Annual Requirements

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

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

Part V: Certification of Small MS4 Annual Report 2024

40 CFR 144.32(d) Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, I certify that the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name: Title:

Signature: Date:

[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.gov

MassDEP: Stormwater.DEP@mass.gov

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.