

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:

Due to staff turnover, the Environmental Engineer position overseeing MS4 responsibilities was vacant for a majority of the Year 5 reporting period from June 30th, 2022 - May 15th, 2023. As a result, IDDE training requirements have not been arranged in house as Newton outsources its IDDE program to consultant Woodard & Curran and subcontractor Stacey DePasquales Engineering.

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:

Due to staff turnover, the Environmental Engineer position overseeing MS4 responsibilities was vacant for a majority of the Year 5 reporting period from June 30th, 2022 - May 15th, 2023. As a result, distribution of public educational material requirements related to septic systems have not been met this reporting period.

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:** 8,800 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:

Due to staff turnover, the Environmental Engineer position overseeing MS4 responsibilities was vacant for a majority of the Year 5 reporting period from June 30th, 2022 - May 15th, 2023. As a result, distribution of public educational material requirements related to private road salt applicators have not been met this reporting period.

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

- Completed the evaluation of all permittee owned properties identified as presenting retrofit opportunities or areas for structural BMP installation under permit part 2.3.6.d or identified in the Phosphorus Source Identification Report, including: *(select the items of the evaluation that have been completed below)*

- Next planned infrastructure, resurfacing, or redevelopment activity planned for the property (if applicable) OR planned retrofit date
- Estimated cost of redevelopment or retrofit BMPs
- Engineering and regulatory feasibility of redevelopment or retrofit BMPs

- Completed a listing of planned structural BMPs and a plan and schedule for implementation
 - The BMP list and implementation schedule is attached to the email submission
 - The BMP list and implementation schedule can be found at the following publicly available website:

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

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

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

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

Please reference 'Appendix D' of the attached Interim Phase 1 PCP Plan (Attachment A) for inventory and calculations of existing structural controls.

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 schedule (Attachment B) is continuously repeated upon completion of the week 5 routes, weather permitting. Schedule is repeated an average of 8 times over the course of the permit period.

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]:

8,563

- 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]:

50.1

- 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:

Please reference 'Appendix C' of the attached Interim Phase 1 PCP Plan (Attachment A) for inventory and calculations of existing non-structural controls.

- 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]:

25.88

- 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:

Please reference 'Appendix D' of the attached Interim Phase 1 PCP Plan (Attachment A) for inventory and calculations of existing structural controls.

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

465

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

8,952

- 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:

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 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):

This memo was distributed via newsletter to approximately 35,000 residents throughout the city and then posted on the website for all to read.

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:

The MCM1 requirement of eight public educational messages during the course of the total permit term has been met over the course of previous reporting periods. Additional messages are distributed according to seasonal relevance.

BMP: Mayor's Update: Spring Clean Up; Yard Waste Collection

Message Description and Distribution Method:

Notification to Newton Residents on how to take part in the city's curbside Yard Waste Collection initiative offered by DPW. Educates residents on how to remove, package, and dispose of their yard waste and how the city processes it.

Distribution Method: Newsletter and Website Posting

Targeted Audience: Residents

Responsible Department/Parties: Town Manager/Mayor's Office

Measurable Goal(s):

This memo was distributed via newsletter to approximately 35,000 residents throughout the city and then posted on the website for all to read.

Message Date(s): 3/28/23

Message Completed for: Appendix F Requirements Appendix H Requirements

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

If yes, describe why the change was made:

The MCM1 requirement of eight public educational messages during the course of the total permit term has been met over the course of previous reporting periods. Additional messages are distributed according to seasonal relevance.

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. Annual reminder message posted on @NewtonDPW X (formerly Twitter) account.

Targeted Audience: Residents

Responsible Department/Parties: City Clerk's Office / Department of Public Works

Measurable Goal(s):

Approximately 4,125 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: Protect Stormwater From Sediment Pollution by Keeping Erosion Controls on Hand

Message Description and Distribution Method:

Posting on City's DPW Twitter account that addresses the importance of proper erosion and runoff control on construction sites to prevent stormwater pollution to the City's MS4.

Distribution Method: Newton DPW Twitter

Targeted Audience: Developers (construction)

Responsible Department/Parties: Department of Public Works

Measurable Goal(s):

This memo was distributed via @NewtonDPW X (formerly Twitter) account which has 965 followers. No erosion control enforcements have been triggered during on-site inspections this permit period.

Message Date(s): 6/15/23

Message Completed for: Appendix F Requirements Appendix H Requirements

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

If yes, describe why the change was made:

The MCM1 requirement of eight public educational messages during the course of the total permit term has been met over the course of previous reporting periods. Additional messages are distributed according to seasonal relevance.

BMP: Industrial Facilities: Spill Prevention Plans

Message Description and Distribution Method:

Posting on City's DPW Twitter account that addresses industrial facilities and the importance of having a spill prevention and containment plan in place for any facility that stores oil or other harmful chemicals.

Distribution Method: Newton DPW Twitter

Targeted Audience: Industrial Facilities

Responsible Department/Parties: Department of Public Works

Measurable Goal(s):

This memo was distributed via @NewtonDPW X (formerly Twitter) account which has 965 followers.

Message Date(s): 7/1/23

Message Completed for: Appendix F Requirements Appendix H Requirements

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

If yes, describe why the change was made:

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:**

Following the recent employment of new Environmental Engineer: Eric Highers, our Stormwater Management Webpage was updated to make the new contact information clear for the public to voice any input on the existing SWMP. An Updated SWMP for Permit Year 6 and beyond is included on this webpage for public comment.

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. We had received a report from a concerned resident of an uncovered catch basin during street paving operations. All catch basins involved during paving operations were inspected and confirmed clean of any paving residue.

In FY23, Newton ran 18 household hazardous waste collection events. Chemicals collected include flammable paints, solvents, pesticides, and fertilizers. Approximately 795 households took part in household hazardous waste collection events, helping keep such hazardous materials out of our sewer or drainage utilities.

On May 21st, 2023 Newton hosted a DPW Day open to the public in appreciation of the DPW staff. Educational booths were set up for the public to interact with various divisions of DPW. One table was dedicated to stormwater and featured our watershed pollution model as one of the children activities. Public education handouts were distributed to participants.

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:

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 IDDE Program Summary (Attachment C).

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:

Existing illicit connections and discharges were sent follow up notifications prior to close of reporting period. Since then, considerable progress has been made towards numerous abatements for reporting out in Permit Year 6. Please reference IDDE Program Summary (Attachment C)

Employee Training

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

The City of Newton outsources all IDDE investigation and sampling field work out to consultant Woodard & Curran and subcontractor Stacey DePasquale Engineering who are responsible for training their own staff. The Environmental Engineer is responsible for coordinating correspondence between illicit properties and contractors to remove illicit connections or discharges.

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:

As of early 2022, the City of Newton had adopted an online portal approach to its site plan submittal, review, and inspection process allowing for a more accurate representation of numbers related to on-site drainage and erosion control plan reviews, inspections, and enforcements over the course of the reporting period.

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:

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

As of early 2022, the City of Newton had adopted an online portal approach to its site plan submittal, review, and inspection process allowing for a more accurate representation of numbers related to as-builts received over the course of the reporting period.

Street Design and Parking Lots Report

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

Coordination is underway between Newton's Department of Public Works and Planning Departments to consider updating existing ordinances to mitigate excessive use of impervious surface area in new- and re-development projects.

Green Infrastructure Report

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

Coordination is underway between Newton's Department of Public Works and Planning Department is to consider updating existing ordinances and engineering details to include further mention of Green Low Impact Development (GID) practices.

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 concept in planning
2. McGrath Park, 1600 Washington St - Infiltration Basin concept in planning
3. Countryside Elementary School, 191 Dedham St - Infiltration Basin concept in planning
4. Hammond Pond Parkway - Impervious Area removal in planning with DCR
5. Lincoln-Elliott Elementary School, 191 Pearl St - Impervious Area removal, Infiltration Basin, Bio-Basin concepts in planning
6. Franklin Elementary School, 125 Derby 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. 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.

Newton Fire Station #3, 31 Willow St - Infiltration Trench and Porous Pavement
 Newton Fire Station #10, 755 Dedham St - Infiltration Basin and Leaching Catch Basins
 Crystal Lake Bath House, 30 Rogers St - Infiltration Trench
 Franklin School, 125 Derby St - Infiltration Trench
 F.A. Day Middle School, 21 Minot Pl - Infiltration Trench
 Carr/Horace Mann School, 225 Nevada St - Infiltration Basin
 Newton South High School, 140 Brandeis Rd - 2x Infiltration Basins
 Newton North High School, 457 Walnut St - Infiltration Trench
 Angier School, 1697 Beacon St - 2x Infiltration Trenches

Zervas School, 30 Beethoven Ave - 2x Bio-swales and Porous Pavement
 Cabot School, 229 Cabot St - Infiltration Basin, 3x Tree Box Filters, and Porous Pavement
 Newton Public Library, 330 Homer St - Porous Pavement, Infiltration Trench, Bio-swale
 Crafts St @ Walnut St - Intersection Improvements, IA Reduction, Bio-Swale
 Albemarle Rd @ Cheesecake Brook - 3x Bio-Swales
 The Street, 33 Boylston St - Sand Filter, 2x Bio-Swales

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:

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:

Due to staff turnover, the Environmental Engineer position overseeing MS4 responsibilities was vacant for a majority of the Year 5 reporting period from June 30th, 2022 - May 15th, 2023. As a result, a misunderstanding regarding the delegation of SWPPP responsibilities led to no inspections being performed until the final quarter of FY23. Inspections were performed by Eric Highers during wet weather conditions and can be provided upon request.

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. 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:

For a majority of Permit Year 5, the Environmental Engineer position acting as the MS4 Program Manager has been vacant. The City has made attempts to fill the position leading to the recruitment of Eric Highers, who will be serving as the MS4 Program Manager moving forward. Because of this vacancy period, public educational messaging pertaining to Septic Systems and Road Salt Applicators have not been distributed and IDDE and SWPPP trainings have not been arranged. Both gaps in reporting have been made a priority to uphold in the revised SWMP for Year 6 and beyond.

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:

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]

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