

Year 4 Annual Report
Massachusetts Small MS4 General Permit
Reporting Period: July 1, 2021-June 30, 2022

****Please DO NOT attach any documents to this form. Instead, attach all requested documents to an email when submitting the form****

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, 2021 and June 30, 2022 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 (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>

<u>Impairment(s)</u>			
<input checked="" type="checkbox"/> Bacteria/Pathogens	<input type="checkbox"/> Chloride	<input checked="" type="checkbox"/> Nitrogen	<input type="checkbox"/> Phosphorus
<input checked="" type="checkbox"/> Solids/ Oil/ Grease (Hydrocarbons)/ Metals			
<u>TMDL(s)</u>			
In State:	<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	
Out of State:	<input type="checkbox"/> Bacteria/Pathogens	<input type="checkbox"/> Metals	<input checked="" type="checkbox"/> Nitrogen
			<input type="checkbox"/> Phosphorus
			Clear Impairments and TMDLs

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

Year 4 Requirements

Developed a report assessing current street design and parking lot guidelines and other local requirements within the municipality that affect the creation of impervious cover, made it available as part of the SWMP, and:

- No updates were recommended
- Updates were recommended. The anticipated date or date of completion for updates is/was:

June 2021

Developed a report assessing local regulations to determine the feasibility of making green infrastructure practices allowable when appropriate site conditions exist, made it available as part of the SWMP, and:

- No updates were recommended
- Updates were recommended. The anticipated date or date of completion for updates is/was:

June 2021

Identified a minimum of 5 permittee-owned properties that could potentially be modified or retrofitted with BMPs to reduce impervious cover

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

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 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:

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

* 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:

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)

Nitrogen Source Identification Report

- Completed the Nitrogen Source Identification Report
- The Nitrogen Source Identification Report is attached to the email submission
- The Nitrogen Source Identification Report can be found at the following website:

Potential structural BMPs

- Any structural BMPs listed in Table 3 of Attachment 1 to Appendix H 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 1 to Appendix H. 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.

- The BMP information is attached to the email submission
- The BMP information can be found at the following website:

Town-owned structural BMPs are included in our GIS-based MS4 system map. At this time, the Town has not begun to track or estimate the quantity of nitrogen removed by said 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:

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 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:

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:Website and Social Media

Message Description and Distribution Method:

In addition to the SWMP BMP's to meet permit requirements, the town has utilized the Town Website and Social Media to keep the community better educated with news and activities taking place within the town. Postings included the following, in addition to the required BMP's.

1. Where Stormwater Pollution Comes From - Facebook 08/03/21
2. Erosion and Sediment Control - Facebook 08/05/21
3. The Big 6 - Stormwater Pollutants - Facebook 10/05/21
4. Be Salt Smart - Facebook 01/18/22
5. Don't Drip and Driver - Facebook 02/09/22
6. Rain Barrel Sale - Facebook 03/22/22; Newspaper 3/31/22, 4/7/22
7. Reducing Harmful Chemicals in SW Runoff - Facebook 04/05/22
8. Wetland, Natural Areas, and Pollutant - Facebook 6/6/22
9. Website Updates to SW Page - Using Fertilizer, Link to UMass Soil Sampling, Link to UMass Home Garden Q&A
- *10. ThinkBlue CT River Website; Regional messaging through the CT River Stormwater Committee located at www.thinkblueconnecticutriver.org

Targeted Audience:

Responsible Department/Parties:

Measurable Goal(s):

1. Where Stormwater Pollution Comes From - 360 FB Views
2. Erosion and Sediment Control - 544 FB Views
3. The Big 6 - Stormwater Pollutants - 291 FB Views
4. Be Salt Smart - 524 FB Views
5. Don't Drip and Driver - 380 FB Views
6. Rain Barrel Sale - 530 FB Views; 45 Barrels Sold
7. Reducing Harmful Chemicals in SW Runoff - 203 FB Views
8. Wetland, Natural Areas, and Pollutant - 146 FB Posts
9. Website Updates to SW Page - Using Fertilizer, Link to UMass Soil Sampling, Link to UMass Home Garden Q&A
- *10 ThinkBlue CT River Website; see link below
<https://thinkblueconnecticutriver.org/wp-content/uploads/2022/09/CT-River-SWC-Annual-Report-Narrative-MCM-1-Year-4.pdf>

Message Date(s): Summer, Fall, Winter, Spring

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:Proper Disposal of Leaf Litter

Message Description and Distribution Method:

Yard Waste Cleanup Tips - Facebook News 9/27/21; Newspaper 10/28/21
Leaf It Be- Facebook Post 10/12/21
Did you Know? - Facebook Post 10/21/21
Yard Waste Care Video - Facebook Post 11/30/21
*CT River SW Committee, Be a Leaf Hero FB series
All activities provide residents with the most effective ways to reduce stormwater pollutants from entering the system, how and when to fertilize, composting, and options for residential leaf disposal.

Targeted Audience: Residents

Responsible Department/Parties: DPW

Measurable Goal(s):

Yard Waste Cleanup Tips - Newspaper; approximately 5000 publications per Agawam Advertiser
Leaf It Be- 357 FB Views
Did you Know? - 380 FB Views
Yard Waste Care Video -132 Views
*CT River SW Committee, Be a Leaf Here FB Series; see link below
<https://thinkblueconnecticutriver.org/wp-content/uploads/2022/09/CT-River-SWC-Annual-Report-Narrative-MCM-1-Year-4.pdf>

Message Date(s): Fall

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:Proper Disposal and Use of Grass Clippings

Message Description and Distribution Method:

Grass Clippings and Stormwater Flyer - Direct Mailing 03/31/22
Testing PH of Soil - Facebook Post 04/07/22
Compost Bin Sale - Facebook News 05/02/22
Green Grass, Clean Water - Facebook Post 06/06/22

***CT River SW Committee, FB Campaign**

All activities encourage residents to properly dispose of grass clippings and the use of slow-release and phosphorus free fertilizers

Targeted Audience: Residents

Responsible Department/Parties: DPW

Measurable Goal(s):

Grass Clippings and Stormwater Flyer - 13,563 Direct Mailing

Testing PH of Soil - 599 FB Views

Compost Bin Sale - 33 Sold

Green Grass, Clean Water -146 FB Views

*CT River SW Committee Lawncare Campaign; see link below

<https://thinkblueconnecticutriver.org/wp-content/uploads/2022/09/CT-River-SWC-Annual-Report-Narrative-MCM-1-Year-4.pdf>

Message Date(s): Spring

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:Proper Disposal of Pet Waste

Message Description and Distribution Method:

Scoop Your Poop Reminder (included as an addition to another mailing) - Direct Mailing 01/07/22

6 Unsettling facts About Dog Waste Flyer - distributed with licensing, on going

Spike Poster displayed in Animal Control Office

*CT River SW Committee Pet Waste Campaign

All activities were included to help residents learn about pet waste bacteria problems, nutrient problems, how pet waste can pollute stormwater, and how to be a "doo gooder" and the importance of pet waste pick up.

Targeted Audience: Residents

Responsible Department/Parties: DPW / Animal Control Officer

Measurable Goal(s):

Scoop Your Poop Reminder (included as an addition to another mailing) -13,287 Flyers Direct Mailed

6 Unsettling facts About Dog Waste Flyer - Approximately 2880 licenses and flyers distributed

*CT River SW Committee Pet Waste Campaign; see link below

<https://thinkblueconnecticutriver.org/wp-content/uploads/2022/09/CT-River-SWC-Annual-Report-Narrative-MCM-1-Year-4.pdf>

Message Date(s): Summer

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:

[Empty text box]

BMP: Installation of Hooded Catch Basins

Message Description and Distribution Method:

Improving the Quality of Storm Flows from Parking Lots flyer created and send for mailing on 6/30/22

Targeted Audience:

Responsible Department/Parties:

Measurable Goal(s):

Improving the Quality of Storm Flows from Parking Lots flyer direct mailing - 13,557 mailed

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:

[Empty text box]

BMP: LIT Strategies and Technologies

Message Description and Distribution Method:

*CT River Stormwater committee LID Technologies and Strategies Workshop Planning. Workshop planning included highlighting new development standards in MS4 permit and updated MA Stormwater Handbook. The Committee agreed to postpone workshop until permit year 5 in anticipation of the new Stormwater Handbook release.

Targeted Audience:

Responsible Department/Parties:

Measurable Goal(s):

*CT River Stormwater Committee Planning; see link below
<https://thinkblueconnecticutriver.org/wp-content/uploads/2022/09/CT-River-SWC-Annual-Report-Narrative-MCM-1-Year-4.pdf>

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:

Messaging postponed from permit year 3 to 4, continuing into year 5

BMP:Proper Disposal of Leaf Litter

Message Description and Distribution Method:

*CT River SW Committee Disposal of Leaf Litter campaign; UMass Hort E-newsletter sent in partnership with the UMass Extension program, geared towards landscape professionals and master gardeners. Newsletter included BMP's regarding maintaining the removal of leaves off roadways and stormdrains, using mulch mowers, and composting.

Targeted Audience: Businesses , Institutions, and Commercial Facilities

Responsible Department/Parties: DWP/CT River Stormwater Committee

Measurable Goal(s):

*CT River SW Committee Leaf Litter Campaign; see link below
<https://thinkblueconnecticutriver.org/wp-content/uploads/2022/09/CT-River-SWC-Annual-Report-Narrative-MCM-1-Year-4.pdf>

Message Date(s): Annually in the Fall

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:

Letter to landscapers was replaced with the e-newsletter to increase the number of landscapers and master gardeners targeted in the region.

BMP:Importance of Soil Testing, use of Fertilizers and Disposal of Grass Clippings

Message Description and Distribution Method:

*CT River SW Committee-Disposal of Lawn Care Campaign; Partnership with UMass Cooperative Extension to distribute newsletter to businesses that care for lawns. Newsletter included best management practices for lawn care and soil sampling.

Targeted Audience: Businesses, Institutions, and Commercial Facilities

Responsible Department/Parties: DPW / CT River Stormwater Committee

Measurable Goal(s):

*CT River SW Committee Lawn Care Campaign; see link below
<https://thinkblueconnecticutriver.org/wp-content/uploads/2022/09/CT-River-SWC-Annual-Report-Narrative-MCM-1-Year-4.pdf>

Message Date(s): Annually in the Spring

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:

[Empty text box]

BMP:Proper Management of Animal Waste

Message Description and Distribution Method:

*CT River Stormwater Committee - Proper Management of Geese Waste letter sent to property owners having goose problems. Letter included specific strategies and recourses to properly manage the goose population

Targeted Audience: Businesses, Institutions, and Commercial Facilities

Responsible Department/Parties: DPW/ CT River Stormwater Committee

Measurable Goal(s):

*CT River SW Committee Proper Management of Geese Waste Campaign; see link below
<https://thinkblueconnecticutriver.org/wp-content/uploads/2022/09/CT-River-SWC-Annual-Report-Narrative-MCM-1-Year-4.pdf>

Message Date(s): Annually in the Summer

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 added in permit year 1 to meet Appendix F and H requirements on animal waste in addition to pet waste.

BMP:Agawam Wetland Protection Laws Guide

Message Description and Distribution Method:

Guide created during permit year one, mailing began in permit year 2. Guide outlines what wetlands are protected, what activities are regulated, what wetland laws apply, and what builders should do if they have a project in town that will occur within a wetland or buffer zone. Guide was distributed with all permits out of the Building Department.

Targeted Audience: Residents

Responsible Department/Parties: Planning/Building Department

Measurable Goal(s):

1298 guides were distributed during permit year four.

Message Date(s): Annually

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 was added to SWMP in permit year one, in addition to messaging submitted in NOI

BMP:Best Practices for Septic Systems

Message Description and Distribution Method:

Be Septic Savvy FB Post - 9/21/21
Septic System Care direct mailing to home owners - 09/16/21
*CT River Stormwater Committee - Septic Smart Campaign
All materials were provided to help homeowners with septic system maintenance and care.

Targeted Audience: Home Owners

Responsible Department/Parties: Health Department

Measurable Goal(s):

Be Septic Savvy FB Post - 331 FB Views
Septic System Care direct mailing to home owners - 859 Septic Homes
*CT River Stormwater Committee - Septic Smart Campaign; see link below
<https://thinkblueconnecticutriver.org/wp-content/uploads/2022/09/CT-River-SWC-Annual-Report-Narrative-MCM-1-Year-4.pdf>

Message Date(s): September 2022

Message Completed for: Appendix F Requirements Appendix H Requirements

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

If yes, describe why the change was made:

BMP was added to the towns SWMP in permit year one, in addition to messaging originally submitted in NOI

BMP:Best Practices for Draining Pool Water

Message Description and Distribution Method:

Educational flyer and display units distributed to pool/spa retail stores in Agawam Fall 2021
Flyer and display until displayed in DPW Lobby Fall 2021 / Spring 2022
Direct mailing of flyer mailed to all businesses and residents; March 30, 2022

Targeted Audience: Residential

Responsible Department/Parties: DPW

Measurable Goal(s):

Educational flyer and display units distributed to pool/spa retail stores - two stores displayed flyers
Direct mailing of flyer mailed to all businesses and residents -13,563 flyers mailed

Message Date(s): Spring Annually

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 was added to the towns SWMP in permit year four, in addition to messaging originally submitted in NOI

BMP:Putting Waste In It's Place

Message Description and Distribution Method:

*CT River Stormwater Committee- Nip Bottle Campaign. Materials and messaging created to help reduce nip bottle litter. Materials to be launched in permit year 5.

Targeted Audience: Residents

Responsible Department/Parties: DPW / CT River Stormwater Committee

Measurable Goal(s):

*CT River Stormwater Committe Nip Bottle Campaign; see link below
<https://thinkblueconnecticutriver.org/wp-content/uploads/2022/09/CT-River-SWC-Annual-Report-Narrative-MCM-1-Year-4.pdf>

Message Date(s): Permit Year 5

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:

Moved from permit year 2 to 4 due to Covid 19. Year two messaging reflected waste issues due to the pandemic.

BMP:Fowl Water State-wide Campaign

Message Description and Distribution Method:

*CT River Stormwater Committee; Fowl Water messaging through state-wide campaign, including posting and sharing of "Fowl Water" video in English and Spanish. Messaging included the effects of runoff carrying motor oil, pet waste, and trash pollutants to our local waterways.

Targeted Audience: Residents

Responsible Department/Parties: Think Blue MA and Water Words that Work

Measurable Goal(s):

*CT River Stormwater Committee Fowl Water messaging; see link below
<https://thinkblueconnecticutriver.org/wp-content/uploads/2022/09/CT-River-SWC-Annual-Report-Narrative-MCM-1-Year-4.pdf>

Message Date(s): Summer

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:

Messaging added to CT River Stormwater Committee SWMP in Permit Year 3.

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:

SWMP was posted on the Town Website and Facebook Page with notification posted through the City Clerk's office, including an email address where the public could send comments in for discussion.

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:

The community was notified through the town Website, Facebook Page and local newspapers regarding the following activities:
Year 3 Stormwater Report was available to the public at the following locations; Website, Mayor's Office, and Public Library. Year four report will be added to those locations upon submittal.
Spring / Fall Community Clean-ups along the CT River were coordinated in partnership with the Westfield River Watershed with participation from town and neighboring community members.
HHW Day event; encouraging residents to properly dispose of HHW and Universal Waste; 185 residents attended.

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:

The Town of Agawam's Stormwater GIS mapping system is updated as new information is discovered via recorded plans or field investigations.

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 outfall screening data is attached to the email submission
- The outfall screening data can be found at the following 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:

All outfall inspections were completed by December 2020 and reported in Permit Year 3.

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 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:

Due to staffing, catchment investigations did not take place in Permit Year 4. Investigations are scheduled to resume in September of Permit Year 5

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 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:

The total number of illicit discharges identified and removed to date listed above is based on illicit discharges reported since 2011.

On September 17, 2021, the Town received notification from residents that a pipe at #51 Wright Street was discharging water into the road and towards a Town-owned catch basin within the nearby Meadowbrook Manor parking lot. A site inspection by the Town determined that the water flowing from the pipe was caused by the dewatering of a residential pool. The owner of the property was contacted and informed that pool water should be dechlorinated prior to discharge to the Town MS4.

On September 19, 2021, the Agawam Police Department reported a 40-50 gallon release of diesel fuel from a box truck after a collision with another vehicle at the intersection of Cooper Street and Greenacre Lane. A portion of the fuel had discharged into two nearby Town-owned catch basin. The Agawam Fire Department deployed Speed-Dry to the road and used absorbent booms and pads as berms around the catch basins to prevent further discharge. No odors or fuel was detected at the drainage outfall that connects to the impacted catch basins. The fuel release did not appear to migrate out of the two impacted catch basins.

On September 30, 2021, the Town performed a construction site inspection at #430-432 South Westfield Street and discovered that sediment appeared to be flowing from the property into the street via an inclined driveway. Sediment was observed along the gutter line on both sides of South Westfield Street and around three Town-owned catch basins within the vicinity. The property owner was contacted and instructed to remove the sediment that had flowed onto the street and to install appropriate erosion control measures to prevent further sediment discharge.

On December 5, 2021, the Massachusetts DEP was contacted regarding the release of anhydrous ammonia from a 1,000-gallon above ground storage tank at #153 Bowles Road. As reported, a pressure gauge failed on the tank, releasing up to 325 pounds of anhydrous ammonia to the atmosphere. The owner of the property was notified by MassDEP about the release and advised of necessary steps to mitigate the situation.

On July 15, 2022, the Town received a complaint from a resident pertaining to a catch basin located within the parking lot of #30 Southwick Street which is adjacent to the Main Garden Chinese Restaurant (#28 Southwick Street). The Town observed a puddle with a milky-white film and several floatables that appear to be similar to soap suds near the catch basin. No film or floatables were observed within the catch basin or at the nearest drainage outfall. After contacting the employees of the restaurant, it was determined that wash water used to clean the restaurant's stove vents had been dumped into the catch basin. The restaurant was notified that the area surrounding the catch basin would need to be cleaned and that wash water from commercial kitchens, as well as any kind of oil or grease, should not be dumped directly into a the MS4.

Employee Training

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

The following trainings were provided by Woodard & Curran to all staff in Motor Vehicle Maintenance, Highway and Grounds, Water and Sewer, Engineering, and Management

MS4 Overview Requirements

Overview and Organization of SWPPP

Overview and Organization of SPCC Plan

IDDE

Pollution Prevention and Good Housekeeping

The following trainings were provided by Woodard & Curran to the Towns Building Maintenance Staff caring for all School and Municipal Buildings:

Pollution Prevention and Good Housekeeping

*SW Runoff and Town Infrastructure/MS4 Requirements

*Buildings and Facilities

*Vehicles and Equipment

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: 19

Number of inspections completed: 1,772

Number of enforcement actions taken: 4

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

1298 Building Permits
74 Planning and Conservation Site Inspections; 4 enforcement orders
400 Engineering Site Inspections

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

Ordinance or Regulatory Mechanism

Date update was completed (due in year 3):

The Town is in the process of updating the current procedures for site inspection and enforcement of sediment and erosion control by creating two new documents: 1) a new Stormwater Management Ordinance (to be labeled Chapter 176 within the Town Code) and 2) new Regulations for Stormwater Management and Erosion and Sediment Control. Both documents are being reviewed by the Town before proposal to the Agawam City Council.

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:

A regulation requiring the submittal of as-built drawings in accordance with Section 2.3.6 of the Massachusetts Small MS4 General Permit shall be included in the proposed Regulations for Stormwater

Management and Erosion and Sediment Control currently under review by the Town.

Retrofit Properties Inventory

Below, list the permittee-owned properties that could be modified or retrofitted with BMPs to mitigate impervious areas (at least 5):

- 1) Agawam High School - 760 Cooper Street
- 2) Robinson Park Elementary School - 65 Begley Street
- 3) Agawam Junior High School - 1305 Springfield Street
- 4) Agawam DPW - 1000 Suffield Street
- 5) Agawam Municipal Golf Course - 128 Southwick Street
- 6) James Clark Elementary School - 65 Oxford Street
- 7) Springfield Street Cemetery - 0 Springfield Street
- 8) Benjamin Phelps Elementary School - 689 Main Street
- 9) Clifford Granger Elementary School - 31 South Westfield Street
- 10) Roberta Doering Middle School - 68 Main Street
- 11) Perry Lane Preschool and Park - 108 Perry Lane
- 12) Bogarri Park - 0 River Road
- 13) Agawam Town Hall - 36 Main Street
- 14) Agawam Center Cemetery - 820 Main Street
- 15) Agawam Building Maintenance Department - 1347 Main Street
- 16) Agawam Police Headquarters - 681 Springfield Street
- 17) Agawam Library - 750 Cooper Street

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: 236

Number of catch basins cleaned: 236

Total volume or mass of material removed from all catch basins: 448.42 tons

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

Total number of catch basins: 3,700

If applicable:

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

The Town is analyzing the data from all catch basin inspections performed within the previous 2 years. If it is determined that a catch basin sump was 50% full or greater for two consecutive cleaning cycles, an inspection of the catchment containing the catch basin will be performed in order to identify and remove the source of the

sediment/pollutant.

Street Sweeping

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

Number of miles cleaned: 367.24

Volume of material removed: [] [Select Units]

Weight of material removed: [] [Select Units]

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: 2

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

[Empty text box for corrective actions]

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 website(s):

[Empty text box for website information]

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:

[Empty text box for description of monitoring/studies]

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:

COVID-19 Impacts

Optional: If any of the above year 4 requirements could not be completed due to the impacts of COVID-19, please identify the requirement that could not be completed, any actions taken to attempt to complete the requirement, and reason the requirement could not be completed below:

Activities Planned for Next Reporting Period

Please confirm that your SWMP has been, or will be, updated to comply with all applicable permit requirements including but not limited to the year 5 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 5 below:

Part V: Certification of Small MS4 Annual Report 2021

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: Digitally signed by: Mario Mazza
DN: CN = Mario Mazza email =
DPW@agawam.ma.us C = US O = Agawam
DPW
Date: 2022.09.23 09:58:33 -0400

Date:

[Signatory may be a duly authorized representative]