

Year 1 Annual Report
Massachusetts Small MS4 General Permit
Reporting Period: May 1, 2018-June 30, 2019

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.

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:

Fax 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 and an explanation of why it is not posted on the web:

Part II: Self Assessment

First, in the box below, select the impairment(s) and/or TMDL(s) that are applicable to your MS4.

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.*

Year 1 Requirements

- Develop and begin public education and outreach program
- Identify and develop inventory of all known locations where SSOs have discharged to the MS4 in the last 5 years
 - The SSO inventory is attached to the email submission
 - The SSO inventory can be found at the following website:

<https://www.holyoke.org/departments/public-works/attachment/illicit-discharge-detection-and-elimination-idde-program/>
- Develop written IDDE plan including a procedure for screening and sampling outfalls
- IDDE ordinance complete
- Identify each outfall and interconnection discharging from MS4, classify into the relevant category, and priority rank each catchment for investigation
 - The priority ranking of outfalls/interconnections is attached to the email submission
 - The priority ranking of outfalls/interconnections can be found at the following website:

<https://www.holyoke.org/departments/public-works/attachment/illicit-discharge-detection-and-elimination-idde-program/>
- Construction/ Erosion and Sediment Control (ESC) ordinance complete
- Develop written procedures for site inspections and enforcement of sediment and erosion control measures
- Develop written procedures for site plan review
- Keep a log of catch basins cleaned or inspected
- Complete inspection of all stormwater treatment structures

Annual Requirements

- Annual opportunity for public participation in review and implementation of SWMP
- Comply with State Public Notice requirements
- 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
- All curbed roadways have been swept a minimum of one time per year

Nitrogen (Combination of Impaired Waters Requirements and TMDL Requirements as Applicable)

Annual Requirements

*Public Education and Outreach**

- Distribute 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
- Distribute an annual message in the summer (June/July) encouraging the proper management of pet waste, including noting any existing ordinances where appropriate
- Distribute 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

- Increase 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)

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 shall be tracked and the permittee shall estimate the
- nitrogen removal by the BMP consistent with Attachment 1 to Appendix H. Document 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 in each each annual report

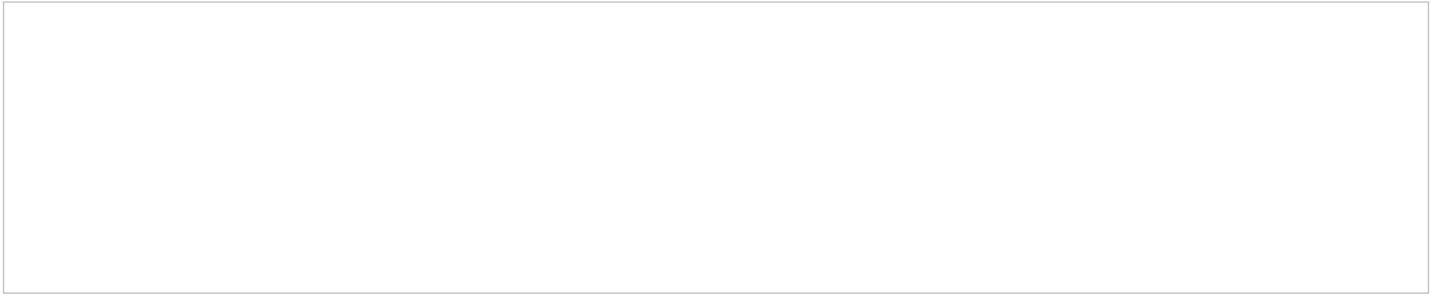
Solids, Oil and Grease (Hydrocarbons), or Metals

Annual Requirements

Good Housekeeping and Pollution Prevention for Permittee Owned Operations

- Increase street sweeping frequency of all municipal owned streets and parking lots to a schedule to target areas with potential for high pollutant loads
- Prioritize inspection and maintenance for catch basins to ensure that no sump shall be more than 50 percent full; Clean catch basins more frequently if inspection and maintenance activities indicate excessive sediment or debris loadings

Use the box below to input additional details on any unchecked boxes above or 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:

Two outfalls that direct stormwater to a tributary that flows to Pequot Pond (located in Southamptton MA) were added when the updated mapping focused on outfalls that connect to waterbodies outside of Holyoke.

As part of its mapping process the City identified areas served by CSOs and removed outfalls associated with CSOs. One outfall to a perennial stream feeding the Whiting Street Reservoir was removed. Other outfalls removed include: two outfalls to wetlands associated with Broad Brook, eight outfalls associated Day Brook, and five outfalls with Green Brook. Four outfalls affiliated with Tannery Brook were assigned to Schoolhouse Brook.

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 the reporting period:

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

BMP:15 to the River

Message Description and Distribution Method:

Video posted on social media that highlights how rain and contaminated stormwater are the largest source of water pollution and how quickly these flows get to the river; with what you can do to help

Targeted Audience:

Responsible Department/Parties:

Measurable Goal(s):

YouTube views: 285 See: <https://www.youtube.com/watch?v=nvnGgWg-mSE&t=3s>

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:

Public education activities through the Connecticut River Stormwater Committee were not included in the NOI. Included because it was a good way to introduce residents in region to stormwater issues generally.

BMP:Think Blue - Fowl Water

Message Description and Distribution Method:

Video posted on social media explaining that stormwater pollution carries trash, oil cigarette butts, and dog waste.

Targeted Audience:

Responsible Department/Parties:

Measurable Goal(s):

watched 10+ seconds on FB = 22,718; on You Tube = 87,482

Message Date(s): May 31 to June 25, 2018

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:

Public education activities through the Connecticut River Stormwater Committee were not included in the NOI. Included because it was a good way to introduce residents in region to stormwater issues generally.

BMP:Think Blue - Fowl Water

Message Description and Distribution Method:

Video posted on social media explaining that stormwater pollution carries trash, oil cigarette butts, and dog waste

Targeted Audience: Residents

Responsible Department/Parties: State-wide Think Blue MA for Connecticut River Coalition

Measurable Goal(s):

Facebook impressions: 358,297 YouTube impressions: 292,655

Message Date(s): June 23 to June 30, 2019

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:

Public education activities through the Connecticut River Stormwater Committee were not included in the NOI. Included because it was a good way to introduce residents in region to stormwater issues generally.

BMP:How to soak up rain around Your Home & Garden

Message Description and Distribution Method:

Workshop at Hadley Garden Center with interactive elements to promote understanding about stormwater and to stimulate thinking about building stormwater BMPs around the home and garden

Targeted Audience: Residents

Responsible Department/Parties: CT River Stormwater Committee

Measurable Goal(s):

63 people from around the region participated in 90-minute workshop; participants took soak up the rain porous paving and rain garden lawn signs at end of workshop

Message Date(s): March 2, 2019

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:

Public education activities through the Connecticut River Stormwater Committee were not included in the NOI. Included because the opportunity arose and decided that good way to continue promoting soak up the rain effort.

BMP: Get Wise About Leaf Litter

Message Description and Distribution Method:

Flyer and social media post that promotes 4 bmps in managing leaf litter (mulch in place; compost; offer to neighbor who may compost; proper disposal) with list of local disposal locations on reverse side.

Targeted Audience: Residents

Responsible Department/Parties: CT River Stormwater Committee

Measurable Goal(s):

325 flyers distributed at 12 of the regions larger home & garden centers; one flyer laminated and hung for display at W. Springfield Home Depot, also FB impressions: 104; Impressions from PVPC regional e-newsletter: 347

Message Date(s): October 1 -November 15, 2018
Impressions October 2018

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:

Public education activities through the Connecticut River Stormwater Committee were not included in the NOI.

BMP: Get Wise About Your Lawn

Message Description and Distribution Method:

Flyer, tri-fold brochure, and social media post that highlights problem with fertilizers and seeks to normalize

practice around 4 bmps (test your soil, leave clippings where they fall, choose the right fertilizer, mow high). Also mentions restrictions on phosphorous use.

Targeted Audience: Residents

Responsible Department/Parties: CT River Stormwater Committee

Measurable Goal(s):

6,507; Impressions from PVPC regional e-newsletter: 386

Message Date(s): May 2019

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:

Public education activities through the Connecticut River Stormwater Committee were not included in the NOI.

BMP: Think Picking up Spike's Poop is Gross? Try Swimming in It.

Message Description and Distribution Method:

Poster and social media post that highlights what happens with dog waste that is left on the ground.

Targeted Audience: Residents

Responsible Department/Parties: CT River Stormwater Committee

Measurable Goal(s):

FB impressions: 4,396
Posters distributed: 125

Message Date(s): June-July 2019

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:

Public education activities through the Connecticut River Stormwater Committee were not included in the NOI.

BMP: Why should you care as a professional landscaper? Best leaf litter practices.

Message Description and Distribution Method:

Personalized mailing developed with input from Umass Cooperative Extension

Targeted Audience: Businesses, institutions and commercial facilities

Responsible Department/Parties: CT River Stormwater Committee

Measurable Goal(s):

Reached 26 landscaping companies in the region

Message Date(s): October 26, 2018

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:

Public education activities through the Connecticut River Stormwater Committee were not included in the NOI.

BMP: Why should you care as a professional landscaper? Better land care practices.

Message Description and Distribution Method:

Personalized mailing developed with input from Umass Cooperative Extension

Targeted Audience: Businesses, institutions and commercial facilities

Responsible Department/Parties: CT River Stormwater Committee

Measurable Goal(s):

Reached 127 landscaping companies in the region

Message Date(s): May 15, 2019

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:

Public education activities through the Connecticut River Stormwater Committee were not included in the NOI.

BMP:Paving Contractor Outreach

Message Description and Distribution Method:

A letter was prepared that summarized City stormwater permitting requirements applicable to paving projects within the City and sent by certified mail to paving contractors that typically work in the City.

Targeted Audience: Responsible Department/Parties:

Measurable Goal(s):

Letter was sent to 13 contractors. Only one did not acknowledge receipt.

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:

This is a modification of a goal established for 2020. Due to a couple of recent noncompliance events it was decided to reach out directly to paving contractors to advise them of requirements.

BMP:Develop new Stormwater web page

Message Description and Distribution Method:

A new City Stormwater web page was developed to include links to the City's SWMP, IDDE, and a variety of educational materials including the Connecticut River Stormwater Committee's Think Blue web page.

<https://www.holyoke.org/departments/public-works/#extra7-tab>

Targeted Audience: Responsible Department/Parties:

Measurable Goal(s):

Not determined in 2019

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:

Instead of being linked to the Conservation and Sustainability page, the Stormwater page was linked to the DPW's web page. It will be linked to Conservation and Sustainability in 2020

BMP:[Message name here]

Message Description and Distribution Method:

Targeted Audience:

Responsible Department/Parties:

Measurable Goal(s):

Message Date(s):

Message Completed for: Appendix F Requirements Appendix H Requirements

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

If yes, describe why the change was made:

Add an Educational Message

MCM2: Public Participation

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

A draft of the SWMP was posted on the City's website and a public hearing was posted in accordance with Massachusetts open meeting requirements and held by the Holyoke Stormwater Authority of June 17, 2019.

The Holyoke Department of Public Works, represented by the City Engineer, attended close to 100% of the monthly Connecticut River Stormwater Committee meetings.

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

Describe any other public involvement or participation opportunities conducted during the reporting period:

Our municipality participated in the Massachusetts Statewide Municipal Stormwater Coalition (Statewide Coalition). The Statewide Coalition presented on the Think Blue Massachusetts public awareness campaign and regional collaboration on stormwater at the following public events:

- Metrowest/495 Partnership (October 4, 2018)
- MetroWest Stormwater Roundtable hosted by MetroWest Regional Collaborative (MWRC) of the Metropolitan Area Planning Council (MAPC) (November 20, 2018)
- Massachusetts Municipal Association (MMA) Meeting & Trade Show (Jan 18-19 2019)
- New England Water Environment Association Annual Conference (Jan 28 2019)
- Massachusetts Association of Conservation Commissions Annual Conference (March 2, 2019)
- Massachusetts Congress of Lake and Pond Associations Annual Workshop (April 12, 2019)
- New England American Public Works Association Spring Conference (April 17, 2019)
- Ecotarium Earth Day activities (April 16 – 19, 2019)
- New England Water Environment Association Spring Meeting (June 4, 2019)

MCM3: Illicit Discharge Detection and Elimination (IDDE)

Sanitary Sewer Overflows (SSOs)

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:

Below, report on the total number of SSOs identified in the MS4 system and removed to date. At a minimum, report SSOs identified since 2013.

Total number of SSOs identified:

Total number of SSOs removed:

MS4 System Mapping

Describe the status of your MS4 map, including any progress made during the reporting period:

CSO areas were mapped resulting in the removal of some outfalls that were designated as being associated with the MS4.

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.

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

[Empty text box]

Below, report on the number of outfalls/interconnections screened during this reporting period.

Number of outfalls screened:

Below, report on the percent of total outfalls/ interconnections screened to date.

Percent of total outfalls screened:

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.

- The catchment investigation data is attached to the email submission
- The catchment investigation data can be found at the following website:

[Empty text box]

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:

[Empty text box]

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.

- The illicit discharge removal report is attached to the email submission
- The illicit discharge removal report can be found at the following website:

[Empty text box]

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:

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.

Total number of illicit discharges identified:

Total number of illicit discharges removed:

Optional: Provide any additional information for clarity regarding illicit discharges identified, removed, or planned to be removed below:

Employee Training

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

As part of the training conducted at Suez, all employees were trained on Proper Sample Collection, Chain of Custody and Lab Quality Assurance/Quality Control. The staff were also trained on Storm Water Pollution Prevention Planning.

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:

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

Ordinance Development

Describe the status of the post-construction ordinance required to be complete in year 2 of the permit term:

On December 12, 2009 the Holyoke City Council adopted a Stormwater Management Ordinance that provided for the establishment of the Holyoke Stormwater Authority and the adoption of stormwater regulations by the Authority. On May 17, 2010 the Holyoke Stormwater Authority adopted a comprehensive set of stormwater regulations that include the post-construction requirements of MCM5. Once the MassDEP updates its stormwater management regulations, the performance standards of these regulations will need to be updated to match the EPA requirements.

As-built Drawings

Describe the status of the measures the MS4 has utilized to require the submission of as-built drawings and ensure long term operation and maintenance of completed construction sites required to be complete in year 2 of the permit term:

Submission of as built drawings and a long-term O&M plan are conditions of the City's Stormwater Regulations adopted on May 17, 2010. Release of the project performance bond is conditioned on receipt of these documents.

Street Design and Parking Lots Report

Describe the status of the street design and parking lots assessment due in year 4 of the permit term, including any planned or completed changes to local regulations and guidelines:

There is no information to report at this time.

Green Infrastructure Report

Describe the status of the green infrastructure report due in year 4 of the permit term, including the findings and progress towards making the practice allowable:

There is no information to report at this time.

Retrofit Properties Inventory

Describe the status of the inventory, due in year 4 of the permit term, of permittee-owned properties that could be modified or retrofitted with BMPs to mitigate impervious areas and report on any properties that have been modified or retrofitted:

There is no information to report at this time.

MCM6: Good Housekeeping**Catch Basin Cleaning**

Describe the status of the catch basin cleaning optimization plan:

Catch basins are cleaned on a four year cycle. Catch basins at the base of hills are cleaned more frequently.

If complete, attach the catch basin cleaning optimization plan or the schedule to gather information to develop the optimization plan:

- The catch basin cleaning optimization plan or schedule is attached to the email submission
- The catch basin cleaning optimization plan or schedule can be found at the following website:

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, if known.

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:

Additional street sweeping is completed if a sump is found to be greater than 50% full.

Street Sweeping

Describe the status of the written procedures for sweeping streets and municipal-owned lots:

Street sweeping operation begins no later than April 1st. Sweeping operator begins with the MS4 quadrant. Streets are to be cleaned leaving no visual debris or sand. Municipal-owned lots are swept the 3rd week of April. Data presented for street sweeping and catch basin cleaning is for both MS4 and combined sewer areas.

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

Number of miles cleaned:

Volume of material removed:

Weight of material removed:

If applicable:

For rural uncurbed roadways with no catch basins, describe the progress of the inspection, documentation, and targeted sweeping plan:

Winter Road Maintenance

Describe the status of the written procedures for winter road maintenance including the storage of salt and sand:

Winter road maintenance procedures are currently being drafted and are expected to be complete before the start of the 2019/2020 winter season.

Inventory of Permittee-Owned Properties

Describe the status of the inventory, due in year 2 of the permit term, of permittee-owned properties, including parks and open spaces, buildings and facilities, and vehicles and equipment, and include any updates:

There is no information to report at this time.

O&M Procedures for Parks and Open Spaces, Buildings and Facilities, and Vehicles and Equipment

Describe the status of the operation and maintenance procedures, due in year 2 of the permit term, of permittee-owned properties (parks and open spaces, buildings and facilities, vehicles and equipment) and include maintenance activities associated with each:

There is no information to report at this time.

Stormwater Pollution Prevention Plan (SWPPP)

Describe the status of any SWPPP, due in year 2 of the permit term, for permittee-owned or operated facilities including maintenance garages, public works yards, transfer stations, and other waste handling facilities where pollutants are exposed to stormwater:

There is no information to report at this time.

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:

There is no information to report at this time.

O&M Procedures for Stormwater Treatment Structures

Describe the status of the written procedure for stormwater treatment structure maintenance:

O&M of privately owned stormwater treatment structures is the responsibility of the owner and is to be reported on in annual reports to the DPW. Compliance with this requirement has been limited to date and the DPW will be reminding permittees of this requirement prior to the spring of 2020.

The City will be inventorying City owned stormwater treatment facilities in 2020 and is not currently aware of any City owned facilities in the MS4 regulatory area.

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):

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:

USEPA, Michelle Coombs Investigator from Laboratory Services and Applied Science Division (LSASD-FSB), Field Services Branch conducted an MS4/CSO Reconnaissance inspection on 5/7/2019 and 5/8/2019. MS4 outfalls #18 (Gerard Way) #43 (McNulty Park), #137 (Claren Drive), and #138 (29 Longfellow) were inspected and tested for ammonia, chlorine and surfactants

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:

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 2 requirements summarized below. (Note: impaired waters and TMDL requirements are not listed below)

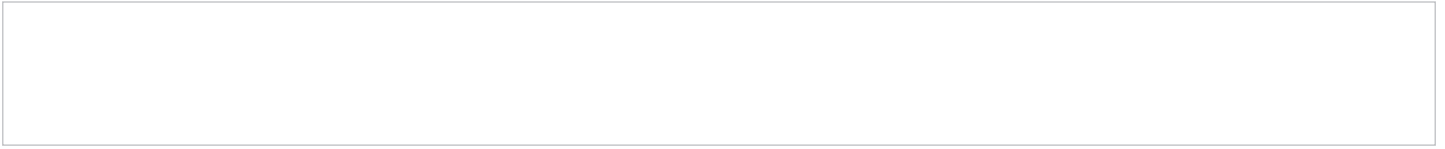
Yes, I agree

- Complete system mapping Phase I
- Begin investigations of catchments associated with Problem Outfalls
- Develop or modify an ordinance or other regulatory mechanism for post-construction stormwater runoff from new development and redevelopment
- Establish and implement written procedures to require the submission of as-built drawings no later than two years after the completion of construction projects
- Develop, if not already developed, written operations and maintenance procedures
- Develop an inventory of all permittee owned facilities in the categories of parks and open space, buildings and facilities, and vehicles and equipment; review annually and update as necessary
- Establish a written program detailing the activities and procedures the permittee will implement so that the MS4 infrastructure is maintained in a timely manner
- Develop and implement a written SWPPP for maintenance garages, public works yards, transfer stations, and other waste handling facilities where pollutants are exposed to stormwater
- Enclose or cover storage piles of salt or piles containing salt used for deicing or other purposes
- Develop, if not already developed, written procedures for sweeping streets and municipal-owned lots
- Develop, if not already developed, written procedures for winter road maintenance including storage of salt and sand
- Develop, if not already developed, a schedule for catch basin cleaning
- Develop, if not already developed, a written procedure for stormwater treatment structure maintenance
- Develop a written catchment investigation procedure (*18 months*)

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 in the last 5 years
- 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 uncurbed streets at least annually

Provide any additional details on activities planned for permit year 2 below:



Part V: Certification of Small MS4 Annual Report 2019

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:

Alex B. Morse

Title:

Mayor

Signature:



Date:

09.24.19

[Signatory may be a duly authorized representative]



Michael Williams
SUEZ, City of Holyoke WPCF
1 Berkshire Street, Holyoke MA 01040
Tel: 413-534-2222 Fax: 413-536-5213
Email: mike.williams@suez.com

9/19/19

MS4 General Permit
Illicit Connection

Dear Madam or Sir:

Suez was notified by a local fisherman of a discharge occurring at the Jones Ferry storm water outfall on 6/10/19. Weather was clear with no precipitation in prior days. Upon arrival a chlorine smell was identified, the water department was called in to test waters. Testing positive for Chlorine an investigation was opened to identify the illicit connection. By opening various drain manholes, the leak was identified to be ~ 1400ft from the outfall location. At the intersection of Jones Ferry Rd. & Main St. When the water main failed it broke the storm drain line, allowing for a pass through directly to the river. The Holyoke water dept. took the necessary steps to repair the water line stopping flow and repairing the damaged drain line.

Best regards,

Michael Williams
Project Manager

Date/ Time	Duration	Location	Volume (Est)	Receiving Water Body	Reason of SSO	Rainfall (inches)
1/22/2015	21 hours	1062 1/2 Main St.	63,000 gallons	Conn. River	Force main failure	0.00
7/1/2015	1.5 hours	206 Maple St.	1,350 gallons	Collection System	Blockage of grease	0.73
10/9/2015	45 mins	Westfield Rd.	2,250 gallons	Collection System	Rags and roots	0.33
10/30/2015	1 hour	60 locust st.	240 gallons	Collection System	Roots	0.00
12/8/2015	40 mins	50 Holy Family Rd.	2,000 gallons	Tannery Brook	Debris/ Rags & Grease	0.00
12/24/2015		52 Homestead Ave.	60 gallons	Basement	Roots	1.19
1/3/2016	1 hour	20 Easthampton Rd.	300 gallons	Green Brook	Rags	0.00
2/5/2016	1.25 hours	185 Pine St.	150 gallons	Basement	Debris & Grease	0.25
6/7/2016	1 hour	249 Huron Ave.	300 gallons	Basement	Roots	0.30
6/8/2016	1 hour	10 Cottage Ave.	420 gallons	Ground	Rags	0.00
11/24/2016	30 mins	203 Fairmont Ave.	10 gallons	Basement	Debris/ Rags & Grease	0.12
2/11/2017	8 hours	500 Easthampton Rd.	4,800 gallons	Broad Brook	Grease	0.00
4/7/2017	30 mins	340 Tokeneke Rd.	150 gallons	Tannery Brook	Debris/ Rags & Grease	0.00
6/2/2017	20 mins	150 Lower Westfield Rd.	100 gallons	Tannery Brook	Grease/Rags	0.00
6/6/2017	1 hour	229 Beech St.	600 gallons	Basement	Rags/Roots	1.28
8/5/2017	2 hours	6 Jeanne Dr.	420 gallons	Basement	Debris/Rags	1.46
9/5/2017	1 hour	Rt. 141/ Easthampton Rd.	300 gallons	Catch basin	Debris/Rags& Roots	0.06
10/17/2017	4 hours	500 Easthampton Rd.	2,400 gallons	Broad Brook	Grease	0.00
11/19/2017	1 hour	249 Huron Ave.	150 gallons	Basement	Debris/Rags	0.23
1/12/2018	2.25 hours	8 Radcliffe, 14 & 34 vassar Cir.	160 gallons	Basement	Debris/Rags & Roots	2.35
1/23/2018	1 hour	44 Beacon Ave.	1,925 gallons	Basement	Debris/Rags & Roots	0.82
4/3/2018	30 mins	Leary Dr.	105 gallons	Day Brook	Debris/Rags	0.69
5/11/2018	30 mins	72 Old Jarvis Ave.	90 gallons	Ground	Rags	0.00
6/4/2018	45 mins	296 Oak St.	300 gallons	Basement	Debris/ Rags & Grease	1.15
6/11/2018	45 mins	Tokeneke & Holy family Rd.	225 gallons	Tannery Brook	Grease & Rags	0.00
6/18/2018	20 mins	Hillside & Cherry St.	100 gallons	Ground	Grease & Rags	0.55
11/5/2018	56 hours	River Terrace (Highland Inter)	1,344,000 gallons	Conn. River	Interceptor/ Manhole failure	0.36
12/5/2018	2 hours	Rt 5 near Smith's Ferry P. S.	25 gallons	Ground	Roots	0.36
1/6/2019	2 hours	60 locust St.	600 gallons	Collection System	Roots	0.00
1/24/2019	1.5 hours	50 Holy Family Rd.	2,250 gallons	Tannery Brook	Grease & Rags	1.73
2/10/2019	1 hour	582 Pleasant St.	250 gallons	Collection System	Grease & Rags	0.00
4/4/2019	5 mins.	Whitney Ave.	200 gallons	Ground	Grease	0.00
4/24/2019	2 hours	75 Reservation Rd.	30 gallons	Ground	Debris & Rocks	0.00
2/27/2013	30 mins.	Holy Family Rd.	3,360 gallons	Tannery Brook	Grease & Rags	
3/4/2013	1 hour	Leary Dr.	2,400 gallons	Day Brook	Grease	
4/17/2013	40 mins.	Tokeneke Rd.	400 gallons	Tannery Brook	Grease	
4/9/2013	1 hour	50 Holy family Rd.	3,000 gallons	Tannery Brook	Rags	
1/13/2014	1 hour	609 Northampton St.	1,500 gallons	CT. River	Debris	
3/11/2014	30 mins.	344-360 Tokeneke Rd.	1,500 gallons	Tannery Brook	PVC Tee fell off into mnahole	
5/8/2014	1 hour	609 Northampton St.	100 gallons	CT. River	Sewer Main Failure	
6/19/2014	30 mins.	Tokeneke Rd.	150 gallons	Tannery Brook	Rags	
6/26/2014	30 mins.	Tokeneke Rd.	600 gallons	Tannery Brook	Rags	
6/27/2014	30 mins.	Tokeneke Rd.	450 gallons	Tannery Brook	Grease & Rags	
6/30/2014	1 hour	Tokeneke Rd.	900 gallons	Tannery Brook	Grease	
10/1/2014	Unknown	27 Oscar St.	2-4 gpm	CT. River	Improper connection	