

Year 3 Annual Report
Massachusetts Small MS4 General Permit
Reporting Period: July 1, 2020-June 30, 2021

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, 2020 and June 30, 2021 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>

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 3 Requirements

- Inspected and screened all outfalls/interconnections (excluding Problem and Excluded outfalls)
- Updated outfall/interconnection priority ranking based on the information collected during the dry weather inspections as necessary
- Post-construction bylaw, ordinance, or other regulatory mechanism was updated and adopted consistent with permit requirements

Optional: If you would like to describe progress made on any incomplete requirements listed above, provide any additional information, and/or if any of the above year 3 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:

The City evaluated historic outfall screening results in accordance with Permit Part 2.3.4.7.b.4.iv to determine usability to meet current Permit requirements. The results of this evaluation identified 313 outfalls that met or partially met dry weather screening requirements once minimal information is collected, such as latitude/longitude of outfalls.

The City was unable to complete remaining outfall screenings this Permit Year because they operated with a reduced staff. Programs were unable to be developed without full staff working in the departments relevant to MS4 compliance. The City will update their priority ranking once all outfalls/interconnections have been screened.

The City has conducted a preliminary review of their ordinance and determined that it substantively meets Permit requirements. The ordinance was recently updated in 2019; however, the City did not have staff and time to propose edits introduced in the revised Permit (Dec. 2020) during this Permit Year. The City is

planning to introduce edits to the ordinance to the City Council and Ordinance Committee to address the minor required revisions.

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:
- Properly stored and disposed of catch basin cleanings and street sweepings so they did not discharge to receiving waters
- Provided training to employees involved in IDDE program within the reporting period
- All curbed roadways were swept at least once within the reporting period
- Updated system map due in year 2 as necessary
- 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, provide any additional information, and/or if any of the above annual 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:

The City implemented a "Clean Water Best Practices Manual" that includes O&M procedures required in Part 2.3.7.a. This requirement was deferred during Permit Year 2 due to COVID-19 impacts. The municipal facility inventory was completed and updated as part of the Manual.

Additionally, the City assessed the need for SWPPPs at the Department of Public Works, Drop Off Center, and Central Maintenance Garage. Based on the assessment, SWPPPs were implemented for the Department of Public Works and Drop Off Center. The Central Maintenance Garage met EPA's MSGP "No Exposure

Certification", so no SWPPP is required. The SWPPPs and determination assessment were completed to fulfill Permit Year 2 requirements that were deferred because of COVID-19.

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)

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:

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

The City currently does not have any BMPs that are optimized for nitrogen removal. The City will track BMPs installed as part of new development or redevelopment activities in accordance with Permit Part 2.3.6.1.b and Appendix F requirements.

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
- 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:

- Abbey Brook (MA36-40) and Chicopee River (MA36-24) added E. coli as a Category 5 impairment.
- Unnamed Tributary (Poor Brook, MA36-39) added Bacterial Slimes, Debris, and Trash as Category 5 impairments.
- Connecticut River (MA34-05) removed Total Suspended Solids from the list of Category 5 impairments.
- Unnamed Tributary (Willamansett Brook, MA34-60) was added as a new segment with a Category 5 E. coli impairment.
- Chicopee Reservoir (MA36033) listing changed from Category 3 to Category 2.
- Coley Brook (MA36-38) and Higher Brook (MA36-42) no longer have Category 2 uses of Aesthetic and Primary and Secondary Contact Recreation listed as uses attained.

No changes have been made to the list of receiving waters or outfalls since the NOI was submitted. The newly added and/or delisted impairments do not change the City's current MS4 program because these pollutants were present as impairments/TMDLs in other waterbody segments regulated under the program.

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: Stormwater Information Website

Message Description and Distribution Method:

The City of Chicopee developed a website containing stormwater related information that includes the following links, messaging, and documents:

- Stormwater Management Plan;
- Link to the Think Blue Connecticut River website;
- Link to information about proper lawn maintenance, grass clippings management, and fertilizer selection;
- Link to messaging about the importance of not feeding waterfowl;
- Link to YouTube video about the affects of stormwater on Connecticut River water quality;
- Sewer backup prevention;
- Scoop the Poop! which is a message directed toward dog owners describing the effects of pet waste on water quality;
- Pollution Prevention for Residents, which is a message directed toward residents describing common activities they can implement to prevent stormwater pollution;
- Pollution Prevention for Businesses, which is a message directed toward businesses describing common activities they can implement to prevent stormwater pollution;
- Integrated Water Resources, which describes the City's integrated plan to improve water quality through combined sewer separation and other infrastructure improvements.

The City's website is located here: <https://www.chicopeema.gov/863/Stormwater-Information>

Targeted Audience:

Responsible Department/Parties:

Measurable Goal(s):

Inform businesses, industries, and residents of the City's goal of protecting local waterways and water resources and provide information on how they can contribute to that goal.

Message Date(s):

Message Completed for: Appendix F Requirements Appendix H Requirements

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

If yes, describe why the change was made:

BMP: General Pollution Awareness Website

Message Description and Distribution Method:

The City's stormwater information web page contains a link to "Think Blue Connecticut River". This site has numerous informative and educational pages about stormwater. Information on the site includes pages outlining the effects of lawn care, pet waste, car care, erosion, septic, litter, and BMPs on stormwater runoff. The various pages of the site explain the types of pollutants generated from different activities and actions the public can undertake to help mitigate negative impacts.

Targeted Audience: Residents, business/institutional/commercial, developers, and indus

Responsible Department/Parties: Pioneer Valley Planning Commission Staff and Connecticut River Stormwater

Measurable Goal(s):

Educate the public on the effects of lawn care, pet waste, car care, erosion, septic, litter, and BMPs. A total of 3,196 people visited the Think Blue Connecticut River website during year 3 and spent an average of 1 minute, 38 seconds viewing a total of 3,940 pages of stormwater best practices.

Message Date(s): Ongoing

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 website was not mentioned in the NOI, but the City, which is part of the Pioneer Valley Planning Commission (PVPC) Connecticut River Stormwater Committee, has been working with the PVPC to develop relevant and easily accessible stormwater educational messaging during COVID-19.

BMP: Pet Waste Education

Message Description and Distribution Method:

The City shared a Facebook post from "Think Blue Massachusetts". The post described how pet waste can enter storm drains when not properly disposed and negatively affect water quality, as well as proper ways to dispose of pet waste.

The post was "liked" 7 times and shared 3 times. 6,870 Facebook users currently "follow" the Chicopee Facebook page.

Flyers were also distributed during the time of dog licensing promoting proper pet waste disposal.

Targeted Audience: Residents, Businesses, institutions and commercial facilities

Responsible Department/Parties: Water Pollution Control

Measurable Goal(s):

Encourage proper pet waste disposal.

Message Date(s): 7/23/2020

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: Litter Disposal

Message Description and Distribution Method:

The PVPC, which the City is a part of, launched a campaign to reduce cigarette butt litter. Large decals of a baby bird with a cigarette butt in its mouth were distributed to public works vehicles, resources and articles were posted on the Think Blue Connecticut website and advertised through the PVPC Facebook page, and there was a press release to the local media.

Targeted Audience: Residents

Responsible Department/Parties: PVPC staff and the Connecticut River Stormwater Committee

Measurable Goal(s):

Encourage proper disposal and extinguishing of cigarette butts to reduce littering and keep waters clean. The decals on the Public Works vehicles and public spaces had a roughly estimated 40,000 views per month. The Facebook advertisement reached 17,720 people who identified as "smokers" and was shown 31,937 times.

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:

Postponed to Year 3 due to COVID-19

Rather than messaging through use of PVTA bus panels, the City decided to message with large decals on public works vehicles throughout the region, which was supplemented with press release, Facebook messaging, and Think Blue Connecticut River website information on cigarette butts.

BMP:Importance of soil test, proper use of fertilizers, and disposal of grass clippings

Message Description and Distribution Method:

The PVPC created social media ads and a post with the idea of keeping lawns safe for families. The link provided in the social media post connects to the Think Blue Connecticut River web page on law and yard care, which lays out important best practices and links to useful resources, including a video by Paul Tukey, organic lawn care celebrity, as well as popular lawn care chemicals and their hazards.

Targeted Audience: Residents

Responsible Department/Parties: PVPC staff and the Connecticut River Stormwater Committee

Measurable Goal(s):

Educate residents on the important of lawn care. The Facebook ad reached 38,160 individuals in Stormwater Committee communities who match "gardening," "home improvement", or "do it yourself" identifiers. Of this number, Facebook estimated that 7,200 will recall the ad. 99 people clicked on the "Learn More" button to go to the Think Blue Connecticut River landing page on lawn care.

The Facebook post in the region was shared by several Stormwater Committee communities, helping to drive the number of views on the website landing page to a total of 161 with analytics indicating that the average time spent by visitors on the resource page was 1 minute and 42 seconds. there were a total of 132 downloads on the posted PDF resources.

Message Date(s): Facebook ads ran for 6 days, from June 25th to June 30th; PVPC posted the regional Facebook message on June 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:

Proposed work included creating a brochure. Instead, work entailed improving the Think Blue Connecticut River web page on lawn care so that information and resources are all more readily available during COVID-19.

BMP: Development Standards

Message Description and Distribution Method:

PVPC staff hosted a Think Blue Connecticut River table at at the day-long virtual Western Massachusetts Developers' Conference. The 3-D virtual booth featured hyperlinks to key documents, video, and websites, along with an opportunity for attendees to chat and collect documents for their "swag bags" from booths. Erosion and sediment control measures and the new stormwater management standard resources were discussed.

Targeted Audience: Developers (construction)

Responsible Department/Parties: PVPC staff and the Connecticut River Stormwater Committee

Measurable Goal(s):

Inform developers of the new MS4 development/redevelopment standards and erosion and sediment control methods. There were a total of 71 visits at the booth and the documents presented received a total of 68 views.

Message Date(s): 10/21/2020

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 messaging was postponed to Permit Year 3 and conducted virtually due to COVID-19.

BMP:Fleet Maintenance

Message Description and Distribution Method:

The purpose of the message was to ensure industrial operators and vehicle fleets manage are upkeep their vehicles to avoid spills and leaks. A flyer discussing fleet maintenance was sent to all Multi-Sector General Permit permittees in the PVPC region.

Targeted Audience: Industrial facilities

Responsible Department/Parties: PVPC staff and the Connecticut River Stormwater Committee

Measurable Goal(s):

Inform industrial facilities about the importance of maintaining vehicle fleets to prevent stormwater pollution. Mailings were distributed to 126 MSGP permittees in the Think Blue Massachusetts region.

Message Date(s): 4/16/2021

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 message was postponed to Permit Year 3 to enhance effectiveness of delivery to industries affected by other COVID-19 related messaging.

BMP: Leaf Litter

Message Description and Distribution Method:

PVPC posted a page on the Think Blue Connecticut River website providing information on better practices with leaf litter and the potential contamination of stormwater with leaf litter. These information was posted on the PVPC Facebook page and was run in Google ads.

Landscapers in the City were mailed letters promoting best practices and identifying locations to properly dispose of leaf litter. Best practices included keeping leaves off driveways and roadways, using a mulching mower, and composting the leaves.

Targeted Audience: Residents, Businesses/Institutions/Commercial Facilities

Responsible Department/Parties: PVPC staff and the Connecticut River Stormwater Committee

Measurable Goal(s):

Reduce leaf litter impacts to waterbodies through proper disposal. The leaf litter landing page received a total of 244 views and the average time spent there was 3 minutes and 10 seconds. There were a total of 192 clicks to download posted PDF resources. Mailings were sent to 150 professional lawn care companies operating in the Stormwater Committee member municipalities.

Message Date(s): Google ad from 10/28/2020-11/4/2020, Posts ran 10/20/2020 through 11/4/2020; Letters were mailed on 10/30/2020

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 change to this messaging began in Year 2, where initially the plan had been for one social media post and press release. Given the cohesion of these social media messages as a whole, the Connecticut River Stormwater Committee decided to run the full series, instead of a media release, and developed a Think Blue Connecticut River web page on best practices to which all posts could link.

BMP: Septic System Maintenance

Message Description and Distribution Method:

PVPC posted to their Facebook page twice with messaging describing the importance of properly maintaining septic systems.

Targeted Audience: Residents

Responsible Department/Parties: PVPC staff and the Connecticut River Stormwater Committee

Measurable Goal(s):

Preventing septic system failures as a method to improve water quality. The posting received 20 "shares".

Message Date(s):

Message Completed for: Appendix F Requirements Appendix H Requirements

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

If yes, describe why the change was made:

BMP: Importance of Soil Tests, Proper Use of Fertilizers, and Disposal of Grass Clippings

Message Description and Distribution Method:

PVPC staff presented messaging at the "Virtual Spring Kickoff for Landscapers Education Program 2021". The goal was to reach lawncare businesses and educate them on the conditions of rivers and streams, the ongoing work to reduce stormwater pollutions, the water quality implications of lawn care nutrients, and the importance of better practices.

Targeted Audience: Businesses, institutions and commercial facilities

Responsible Department/Parties: PVPC staff and member municipalities

Measurable Goal(s):

Inform target audience on proper lawn care practices. 80 lawn care professionals from across MA attended the session.

Message Date(s): 3/26/2021

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 event was hosted virtually due to the COVID-19 pandemic.

BMP: Fowl Water

Message Description and Distribution Method:

On behalf of the Connecticut River Stormwater Committee, Think Blue Massachusetts ran an educational advertising campaign promoting a 30-second video that helps viewers visualize how stormwater runoff carrying motor oil, pet waste, and trash pollutes local waterways. See the video at: <http://bit.ly/tbm-fowl-water>.

Targeted Audience: Residents, Businesses/institutions/commercial facilities

Responsible Department/Parties: Think Blue Massachusetts, Water Words that Work, PVPC and member com

Measurable Goal(s):

Water Words that Work reported that there were 211,881 Facebook and Instagram impressions, 471,252 YouTube ad impressions, and 83,101 Spanish language impressions in the Connecticut River Stormwater Committee region during the campaign.

Message Date(s): May 17, 2021 - June 4, 2021

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 message was an enhanced messaging update created after the NOI was submitted and will be instituted in future permit years.

Add an Educational Message

MCM2: Public Participation

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

The City of Chicopee provided their SWMP at the Department of Public Works and on their website for public viewing and commentary.

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

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

- A monthly Board of Water and Sewer Commission meeting is open to the public for comment.

- The Chicopee Cultural Council hosted a Clean Sweep event on April 24, 2021. This event is designed to promote neighborhood cleanups.

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 map has been updated to include all required elements except catchment delineations.

Screening of Outfalls/Interconnections

If conducted, please submit any outfall monitoring results from this reporting period. Outfall monitoring results should include the date, outfall/interconnection identifier, location, weather conditions at time of sampling, precipitation in previous 48 hours, field screening parameter results, and results from all analyses. Please also include the updated inventory and ranking of outfalls/interconnections based on monitoring results.

- No outfalls were inspected
- The 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: 0

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

Percent of outfalls screened: 54

Optional: Provide additional information regarding your outfall/interconnection screening:

The City evaluated historic outfall screening data to determine whether it is suitable to meet current MS4 General Permit requirements in accordance with Permit Part 2.3.4.7.b.iv. The results of the evaluation identified 313 outfalls that met or partially met dry weather screening requirements once minimal information is collected, such as latitude/longitude of outfalls.

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: 0

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

Percent of total catchments investigated: 0

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

Although formal catchment investigations have not been initiated yet due to staffing shortages, the City is aware of the importance of illicit discharge detection. The City's Department of Public Works has been trained to identify illicit discharges and opportunistically inspects infrastructure they are working on in the field.

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:

Employee Training

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

Department of Public Works Stormwater Pollution Prevention Plan (SWPPP) and Spill Prevention Control and Countermeasure (SPCC) training was conducted 6/29/2021. This training included components related to illicit discharge detection. Illicit Discharge Detection and Elimination (IDDE) Training was conducted using a DVD-based MS4 training video. WPC Staff also receive safety training for each chemical they use by the chemical's vendor.

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:

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

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:

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:

The City anticipates evaluating regulations and guidelines related to street design and parking lot assessments during Permit Year 4.

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:

The City anticipates evaluating regulations and other guidance related to facilitating green infrastructure practices during Permit Year 4.

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:

The City anticipates evaluating properties feasible for BMP modifications and/or retrofits during Permit Year 4.

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:

The catch basin is marked electronically in a work order system to increase the cleaning frequency. The Highway Department is also notified to increase sweeping activity, and the area is checked by a stormwater coordinator for erosion.

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: [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:

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

No corrective actions were taken this Permit Year.

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:

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:

A report was done by the Pioneer Valley Planning Commission that discusses all actions taken by them through the Connecticut River Stormwater Committee to promote water quality improvements in the region. The City of Chicopee is a part of the PVPC. The report is attached to this submittal.

COVID-19 Impacts

Optional: If any of the above year 3 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:

Some requirements were not completed during Permit Year 3 due to COVID-19. The City of Chicopee operated on a reduced staffing basis with no open offices from March 2020 through June 2021. Without the full staff working at every department, programs were unable to be implemented and/or developed as full participation was not possible in the reporting year. The City was able to identify budget to hire a consultant to complete outstanding Permit Year 2 requirements, as discussed in this report.

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

Yes, I agree

- Develop a report assessing current street design and parking lot guidelines and other local requirements within the municipality that affect the creation of impervious cover
- Develop a report assessing existing local regulations to determine the feasibility of making green infrastructure practices allowable when appropriate site conditions exist
- Identify a minimum of 5 permittee-owned properties that could potentially be modified or retrofitted with BMPs to reduce impervious areas

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)

Provide any additional details on activities planned for permit year 4 below:

The City anticipates hiring additional personnel to support Permit compliance activities during the upcoming permit year.

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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:

Quinn T. Lonczak

Title: Project Supervisor

Signature:

Quinn Lonczak

Digitally signed by Quinn
Lonczak
Date: 2021.09.27 10:05:44 -04'00'

Date: 09/27/21

*[Signatory may be a duly authorized
representative]*