Year 2 Annual Report
Massachusetts Small MS4 General Permit
Reporting Period: July 1, 2019-June 30, 2020

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, 2019 and June 30, 2020 unless otherwise requested.

Part I: Contact Information

Name of Municipality or Organization: City of Fitchburg

EPA NPDES Permit Number: MAR041189

Primary MS4 Program Manager Contact Information

Name: Nicholas Erickson, PE Title: Civil Engineer

Street Address Line 1: Fitchburg DPW

Street Address Line 2: 301 Broad St.

City: Fitchburg State: MA Zip Code: 01420

Email: nerickson@fitchburgma.gov Phone Number: (978) 829-1905

Stormwater Management Program (SWMP) Information

SWMP Location (web address): www.fitchburgma.gov/463/Stormwater

Date SWMP was Last Updated: Jul 1, 2020

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 2 Requirements

- ☒ Completed Phase I of system mapping
- ☒ Developed a written catchment investigation procedure and added the procedure to the SWMP
- ☒ Developed written procedures to require the submission of as-built drawings and ensure the long term operation and maintenance of completed construction sites and added these procedures to the SWMP
- ☒ Enclosed or covered storage piles of salt or piles containing salt used for deicing or other purposes
- ☒ Developed written operations and maintenance procedures for parks and open space, buildings and facilities, and vehicles and equipment and added these procedures to the SWMP
- ☒ Developed an inventory of all permittee owned facilities in the categories of parks and open space, buildings and facilities, and vehicles and equipment and added this inventory to the SWMP
- ☒ Completed a written program for MS4 infrastructure maintenance to reduce the discharge of pollutants
- ☒ Developed written SWPPPs, included in the SWMP, for all of the following permittee owned or operated facilities: maintenance garages, public works yards, transfer stations, and other waste handling facilities where pollutants are exposed to stormwater

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 2 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:

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:

    http://www.ci.fitchburg.ma.us/463/Stormwater-Management-Program
- ☒ 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 outfall and interconnection inventory and priority ranking as needed

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 IDDE program is primarily implemented by an engineering consultant for the City of Fitchburg, who completes IDDE training regularly. The sewer department for the City also receives training on IDDE and conducted a training session for a new member during the reporting period. Due to COVID-19 gathering restrictions and limited staffing, IDDE and Pollution Prevention training for other City employees was delayed and will be conducted as a virtual training session in 2020.

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:

The Pet Waste pamphlet is posted on the City's Stormwater website. Due to COVID-19, City offices are not open to the public and permitting has been recently converted to an online system; therefore no pamphlets were physically provided to applicants. The City is working toward implementing Pet Waste messaging being automatically sent with online dog licenses for Year 3.

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

Annual Requirements

*Public Education and Outreach**

☒ Distributed an annual message in the spring (April/May) encouraging the proper use and disposal of grass clippings and encouraging the proper use of slow-release and phosphorus-free fertilizers

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

☒ Distributed an annual message in the fall (August/September/October) encouraging the proper disposal of leaf litter

** Public education messages can be combined with other public education requirements as applicable (see Appendix H and F for more information)*

Good Housekeeping and Pollution Prevention for Permittee Owned Operations

☒ Increased street sweeping frequency of all municipal owned streets and parking lots subject to Permit part 2.3.7.a.iii.(c) to a minimum of two times per year (spring and fall)

Potential structural BMPs

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

- ○ 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:

Structural BMPs have been identified and mapped. Analysis of phosphorus removal to be completed in 2020.

Optional: Use the box below to provide any additional information you would like to share as part of your self-assessment:

As part of the Massachusetts Vulnerability Preparedness Program, Fitchburg has received an Action Grant to design improvements to John Fitch Highway. Improvements include the design of green infrastructure and other stormwater BMP's to improve water quality in the receiving water body (Baker Brook) and reduce

flooding, and other roadway work to improve traffic flow and facilitate improved pedestrian access. The City will estimate the phosphorus removal of these BMP's both during design and after they are constructed.

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**: 6

*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: Construction Pollution Prevention Fact Sheet

Message Description and Distribution Method:

"Plan Ahead to Prevent Pollution" Fact Sheet from "Think Blue" Massachusetts". A fact sheet on how to prevent pollutants from construction activities from entering stormwater systems and waterways. Distributed by posting on City web page.

Targeted Audience: Developers (construction)

Responsible Department/Parties: DPW Engineering

Measurable Goal(s):

The IT Department has the ability to monitor web traffic and downloads from the City web page. Although there were 258 views of the City's stormwater web page by 173 unique people, there were 0 reported downloads of this fact sheet during the permit term. This indicates poor visibility to the public, and will be addressed by additional advertising via social media in the upcoming permit term.

Message Date(s): June 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:

Web traffic monitoring was substituted for a Survey Monkey/Doodle Poll to measure effectiveness of message. The change was made because there was concern over how to effectively poll visitors to the web page, and a potential lack of responses.

BMP: Pet Waste Fact Sheet and Flier

Message Description and Distribution Method:

Fact sheet on Pet Waste and impacts on waterways. Fact sheet covers hazards of pet waste and proper disposal methods. Distributed by posting on City web page.

Targeted Audience: Residents

Responsible Department/Parties: DPW Engineering

Measurable Goal(s):

The IT Department has the ability to monitor web traffic and downloads from the City web page. Although there were 258 views of the City's stormwater web page by 173 unique people, there were 0 reported downloads of this fact sheet during the permit term. This indicates poor visibility to the public, and will be addressed by additional advertising via social media in the upcoming permit term.

Message Date(s): June 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:

This BMP was not originally included in the NOI and was added as part of Bacteria / Pathogen and Phosphorus Requirements of Appendix H. In addition, web traffic monitoring was substituted for a Survey Monkey/Doodle Poll to measure effectiveness of message. The change was made because there was concern over how to effectively poll visitors to the web page, and a potential lack of responses.

BMP: Lawn and Garden Care Fact Sheet

Message Description and Distribution Method:

Fact sheet from "Think Blue Massachusetts" regarding proper lawn and garden maintenance and how to limit pollutants from lawn maintenance activities from entering stormwater systems and waterways. Distributed by posting on City web page.

Targeted Audience: Residents

Responsible Department/Parties: DPW Engineering

Measurable Goal(s):

The IT Department has the ability to monitor web traffic and downloads from the City web page. Although there were 258 views of the City's stormwater web page by 173 unique people, there were 0 reported downloads of this fact sheet during the permit term. This indicates poor visibility to the public, and will be addressed by additional advertising via social media in the upcoming permit term.

Message Date(s): June 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:

This BMP was not originally included in the NOI and was added as part of Phosphorus Requirements of Appendix H. In addition, web traffic monitoring was substituted for a Survey Monkey/Doodle Poll to measure effectiveness of message. The change was made because there was concern over how to effectively poll visitors to the web page, and a potential lack of responses.

BMP: Parking Lot Stormwater Runoff Fact Sheet

Message Description and Distribution Method:

Fact sheet on best practices to reduce pollution from runoff occurring in parking lots. Distributed by posting on City web page.

Targeted Audience: Businesses, institutions and commercial facilities

Responsible Department/Parties: DPW Engineering

Measurable Goal(s):

The IT Department has the ability to monitor web traffic and downloads from the City web page. Although there were 258 views of the City's stormwater web page by 173 unique people, there were 0 reported downloads of this fact sheet during the permit term. This indicates poor visibility to the public, and will be addressed by additional advertising via social media in the upcoming permit term.

Message Date(s): June 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:

This BMP was originally included in the NOI under Permit year to begin in 2019. However, web traffic monitoring was substituted for a Survey Monkey/Doodle Poll to measure effectiveness of message. The change was made because there was concern over how to effectively poll visitors to the web page, and a potential lack of responses.

BMP:Tips for Creating a Healthy Yard Fact Sheet

Message Description and Distribution Method:

Fact sheet on healthy yard maintenance including organic practices and information on fertilizer, pesticides and herbicides.
Distributed by posting on City web page.

Targeted Audience: Residents

Responsible Department/Parties: DPW Engineering

Measurable Goal(s):

The IT Department has the ability to monitor web traffic and downloads from the City web page. Although there were 258 views of the City's stormwater web page by 173 unique people, there were 0 reported downloads of this fact sheet during the permit term. This indicates poor visibility to the public, and will be addressed by additional advertising via social media in the upcoming permit term.

Message Date(s): June 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:

This BMP was not originally included in the NOI and was added as part of Phosphorus Requirements of

Appendix H. In addition, web traffic monitoring was substituted for a Survey Monkey/Doodle Poll to measure effectiveness of message. The change was made because there was concern over how to effectively poll visitors to the web page, and a potential lack of responses.

BMP:Tips for Septic System Owners Fact Sheet

Message Description and Distribution Method:

EPA fact sheet on the proper septic system maintenance.
Distributed by posting on City web page.

Targeted Audience: Residents

Responsible Department/Parties: DPW Engineering

Measurable Goal(s):

The IT Department has the ability to monitor web traffic and downloads from the City web page. Although there were 258 views of the City's stormwater web page by 173 unique people, there were 0 reported downloads of this fact sheet during the permit term. This indicates poor visibility to the public, and will be addressed by additional advertising via social media in the upcoming permit term.

Message Date(s): June 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:

This BMP was not originally included in the NOI and was added as part of Bacteria / Pathogen and Phosphorus Requirements of Appendix H. In addition, web traffic monitoring was substituted for a Survey Monkey/Doodle Poll to measure effectiveness of message. The change was made because there was concern over how to effectively poll visitors to the web page, and a potential lack of responses.

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**:

Consistent with the City's approved NOI, the draft SWMP was posted to the City web page with the public encouraged to submit comments to DPW Engineering. The City also provided stormwater MS4 program updates at multiple City Council meetings, including a Finance Committee during which the City's stormwater budget was discussed. The DPW was originally planning to hold a SWMP public meeting in the last quarter of the permit year but was unable to do so due to COVID-19 gathering restrictions.

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**:

During the reporting period, the City undertook the Municipal Vulnerability Preparedness (MVP) Planning Grant process and held one workshop with key City stakeholders and two public listening sessions to gain input on various climate-change related topics, including stormwater. A recording of one of the listening sessions is posted on the City's web page for viewing. Stormwater-related topics that were discussed included water quality issues, flooding issues, and climate-change issues.

In addition, the City conducted a third consecutive year of its Rain Barrel Purchase Program. The City's DPW Engineering Division, DPW Wastewater Division, and Conservation Commission partnered with the 'Great American Rain Barrel Company' to facilitate a City-subsidized rain barrel purchase program. In the program's inaugural year, the City sold a total of 98 rain barrels. In the program's second year, the City sold a total of 44 rain barrels. This year the City sold 129 rain barrels. During the previous permit term, the vendor provided a display/demonstration rain barrel to a local school (McKay Arts Academy, a Pre-K to 8th Grade School) for educational purposes. Additionally, the vendor provided a second display/demonstration rain barrel to the City for use in promoting the program in advance of its third year. This program continues to be a key development and networking tool to help grow 'green infrastructure' in the City into other forms that will serve to help attenuate and infiltrate stormwater runoff on private properties.

And finally, the City actively pursued partnerships with several groups on various stormwater topics, including:

-Central MA Regional Stormwater Coalition (CMRSWC): Fitchburg is an active member, with its Civil Engineer sitting on the Steering Committee.

-Nashua River Watershed Association (NRWA): Partnered with NRWA on a recent Municipal Vulnerability Preparedness Action Grant application. Fitchburg was awarded $172,000 to design green infrastructure improvements for John Fitch Highway. Also continued partnership to perform monthly sampling of the North Nashua River just downstream from the City's East Wastewater Treatment Facility (WWTF) from April through October and tests for E. coli, dissolved oxygen, temperature, and conductivity. This information assists the City with monitoring its treated effluent from the WWTF.

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: 9

Number of SSOs removed: 9

MS4 System Mapping

Below, check all that apply.
The following elements of the Phase I map have been completed:

- ☒ Outfalls and receiving waters
- ☒ Open channel conveyances
- ☒ Interconnections
- ☒ Municipally-owned stormwater treatment structures
- ☒ Waterbodies identified by name and indication of all use impairments
- ☒ Initial catchment delineations

Optional: Describe any additional progress you made on your map during this reporting period or provide additional status information regarding your map:

Many open channel conveyances have been mapped - it is anticipated that through catchment investigations additional open channel conveyances will need to be added to the map.

Screening of Outfalls/Interconnections

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

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

http://www.ci.fitchburg.ma.us/463/Stormwater-Management-Program

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

Number of outfalls screened: 42

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:

http://www.ci.fitchburg.ma.us/463/Stormwater-Management-Program

*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:

Outfall Screening:
During the reporting period, the City worked with its stormwater consultant Arcadis to continue dry weather outfall/interconnection screening. Progress was limited due to COVID-19 concerns and associated budgetary

issues that prevented the City from hiring summer interns to help complete the work.

Catchment Area Investigations:
During the reporting period, the City worked with its stormwater consultant Arcadis to begin catchment area investigations and anticipates completion per the schedule laid out in the 2016 MS4 permit. The City is in the process of completing catchment area investigations in eight catchment areas. Again, progress was limited due to COVID-19 concerns and associated budgetary issues that prevented the City from hiring summer interns to help complete the work.

Combined Sewer Separation:
The City of Fitchburg maintains approximately 148 miles of sewer pipe in its wastewater collection system. Historically, nearly 20% of the system was combined (28.7 miles), with an additional 251 combination manholes located throughout the remaining area. In 2012, the City entered into a Consent Decree with the EPA to address violations of its NPDES wastewater discharge permit, which were largely due to the combined sewer areas, combination manholes, and excessive infiltration and inflow. Since then, the City has been aggressively tackling its obligations under the Consent Decree and has separated 19.7 miles of combined sewer main (67% complete) and 90 combination manholes (36% complete). During this reporting period, Weston & Sampson completed the design and permitting of the City's next combined sewer separation project that will target separation of 4,600 linear feet of combined sewer and rehabilitation/replacement of 18,000 linear feet of aging sanitary sewer. Construction is anticipated to begin late 2020.

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:

http://www.ci.fitchburg.ma.us/463/Stormwater-Management-Program

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: 3

Number of illicit discharges removed: 1

Estimated volume of sewage removed: 330 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: 26

Total number of illicit discharges removed: 20

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

The city has identified 3 illicit discharges during the reporting period, at 128 St. Joseph's Avenue, 403 Pratt

Road, and 129 Theresa Street. The City has redirected the illicit connection at 129 Theresa Street to the sanitary sewer during the reporting period, and plans to address the others during upcoming sewer separation work.

The City identified 4 illicit connections during the 2003 MS4 Permit that remain outstanding. Although the City's Wastewater Division plans to remove these connections, they consist of private wastewater infrastructure over which the City previously had no jurisdiction. The City has recently updated its stormwater and wastewater ordinances and now has the authority to enforce removal of these illicit connections, and they will be targeted during upcoming sewer separation work.

Employee Training

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

The DPW Commissioner, Assistant City Engineer, and Collections System crew have been briefed and trained on Illicit Discharges and the IDDE program. Facility managers received stormwater pollution prevention briefings during facility audits. In-person training was postponed due to COVID-19 gathering restrictions and will be conducted virtually in 2020.

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: 27

Number of inspections completed: 8

Number of enforcement actions taken: 0

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

The City's updated stormwater ordinance and Rules and Regulations require the submission of as-built drawings, and require that an approved long-term operation and maintenance plan be recorded upon the deed of the applicable property.

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

Ordinance or Regulatory Mechanism

Below, select the option that describes your ordinance or regulatory mechanism progress.

- (•) Bylaw, ordinance, or regulations are updated and adopted consistent with permit requirements
- ( ) Bylaw, ordinance, or regulations are updated consistent with permit requirements but are not yet adopted
- ( ) Bylaw, ordinance, or regulations have not been updated or adopted

As-built Drawings

Describe 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:

The City has updated its stormwater ordinance to comply with this requirement, and has developed a companion Stormwater Rules & Regulations document that is currently undergoing review by the City's Legal Department. These require the submission of as-built drawings, and require that an approved long term operation and maintenance plan be recorded upon the deed of the applicable property.

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:

This has not been started yet. The City will complete by the Year 4 due date

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:

This has not been started yet. The City will complete by the Year 4 due date.

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:

This has not been started yet. The City will complete by the Year 4 due date.

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: 5,400

Number of catch basins cleaned: 5,400

Total volume or mass of material removed from all catch basins: 18,000 tons

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

Total number of catch basins: 7,000

If applicable:

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

If a catch basin sump is found to be more than 50% full during two consecutive routine inspections/cleanings, the Superintendent of Streets is notified and he or she will re-prioritize the subject area to receive more frequent cleanings.

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: 12,500 tons

O&M Procedures and Inventory of Permittee-Owned Properties

Below, check all that apply.

The following permittee-owned properties have been inventoried:

- ☒ Parks and open spaces
- ☒ Buildings and facilities
- ☒ Vehicles and equipment

The following O&M procedures for permittee-owned properties have been completed:

- ☒ Parks and open spaces
- ☒ Buildings and facilities
- ☒ Vehicles and equipment

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: 1

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

No corrective actions taken.

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:

N/A

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 2 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:

MCM1 - Public Education:
The Pet Waste pamphlet could not be distributed because City offices are not open to the public due to COVID-19. Permitting has been recently been converted to an online system, and the City is planning to

automatically send the Pet Waste pamphlet out with online dog licenses for Year 3.

MCM2 - Public Participation:
The DPW was originally planning to hold a public meeting to gather public input on its SWMP in the last quarter of the permit year but was unable to do so due to COVID-19 gathering restrictions.

MCM3 - IDDE:
Facility managers received one-on-one pollution prevention training at their sites during facility audits this reporting period. In person IDDE and Good Housekeeping training was postponed due to COVID-19 gathering restrictions and is scheduled to be conducted virtually Fall 2020.

Progress on dry weather outfall screening and catchment area investigations were limited due to COVID-19 concerns and associated budgetary issues that prevented the City from hiring summer interns to help complete the work.

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

Yes, I agree ☒

- Inspect all outfalls/ interconnections (excluding Problem and Excluded outfalls) for the presence of dry weather flow
- Complete follow-up ranking as dry weather screening becomes available

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 uncurbed streets at least annually
- Continue investigations of catchments associated with Problem Outfalls
- 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

Provide any additional details on activities planned for permit year 3 below:

Part V: Certification of Small MS4 Annual Report 2020

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: Stephen L. DiIorio Title: Mayor

Signature: Date: 9/28/2020

[Signatory may be a duly authorized representative]

Note: When prompted during signing, save the document under a new file name.

Annual Report Submission

Please submit the form electronically via email to both EPA and MassDEP by clicking on one of the links below or using the email addresses listed below. Please ensure that all required attachments are included in the email and not attached to this PDF.

EPA: stormwater.reports@epa.gov MassDEP: laura.schifman@mass.gov

Paper Signature:

If you did not sign electronically above, you can print the signature page by clicking the button below.

Optional: If you did not sign electronically above, you may lock the form by clicking the "Lock Form" button below which will prompt you to save the locked version of the form. Save this locked version under a new file name.

City of Fitchburg, Massachusetts
NPDES MS4 Compliance - Annual Report
Illicit Discharge Detection and Elimination (IDDE) Program
Dry Weather Outfall Screening
Updated: September 30th, 2019

Outfall ID	Outfall Ranking	Outfall Located	Screening Status	Outfall Type	Inspection Date	Weather	Temperature (°F)	Last Rain Event (Hours)	Rain Accumulation (in)	Closest Address / Location	Receiving Water	Contributing Land Use	Outfall Shape	Outfall Material	Outfall Dimensions (in)	Flow	Color	Odor	Floatables	Deposits/Stains	Clarity	Standing Water	Location of Standing Water	Sample Location	pH	Sample Temperature (°F)	Salinity (ppt)	Spec. Cond (mS/cm)	Ammonia (ppm)	Surfactants (ppm)	Total Chlorine (ppm)	Lab Results - E. Coli (Col/100mL)	Inspection Comments
C610	Priority Low	Located	Complete	MS4	August 15, 2019	Sunny	75	24	Trace	Intersection of Carriageway Dr and Chalmers St	Unnamed Trib to North Nashua River MA81-02	Residential	Circular/Pipe	Reinforced Concrete Pipe	36	Running	Colorless	None	None	None	Clear	No			7.39	62.6	0.7	1.408	0.05	0.6	0	46	
C356	Priority Low	Located	Complete	MS4	August 15, 2019	Sunny	75	24	Trace	Intersection of Fairmount St and Liberty Cir (North)	North Nashua River MA81-01	Residential	Circular/Pipe	Reinforced Concrete Pipe	15	Trickle	Colorless	None	None	Rust	Clear	No			7.91	66.02	1.1	2.2	0.35	0.4	0	2	Sample was done for Ammonia using Saltwater solution- 0.4 result
C442	Problem	Located	Complete	MS4	July 25, 2019	Parlty Cloudy	79	24	Trace	In woods SE of Intersection of Water St and John T Centrino Memorial Dr	North Nashua River MA81-02	Residential	Circular/Pipe	Reinforced Conc	18	Running	Colorless	None	None	None	Clear	No			7.66	68	0.2	0.4591	0.15	0.35	0	58000	
C217	Priority High	Located	Complete	MS4	August 6, 2019	Sunny	80	72	Trace	John Fitch Highway, 100ft East of intersection with Will Thompson Way	Unnamed Trib to Falulah Brook MA81-63	Residential	Circular/Pipe	Reinforced Conc	12	None-Dry	White	None	None	None	Milky	Yes	Outside Outfall		7.53	65.66	0.3	0.6664	0.00	0.25	0.05	NA	DPW requested sample due to conditions of receiving water, took sample from the standing water and did not have a bacteria sample, outfall was flowing on a previous visit where we were not able to sample.
C404	Problem	Located	Complete	MS4	July 8, 2019	Sunny	75	48	1.37	Downstream of Coolidge Park Bridge (West Bank)	Falulah Brook	Open Space	Circular/Pipe	Reinforced Conc	36	Running	Colorless	None	Algae	None	Clear	No			7.24	60.26	0.1	0.2427	2.10	0.25	0	58000	
C457	Problem	Located Not Accessible	Complete	MS4	July 26, 2019	Sunny	83	48	Trace	Riverfront Park off Boulder Dr, Downstream of Bridge East Bank Hidden by Bamboo	North Nashua River MA81-02	Commercial	Circular/Pipe	HDPE	18	Trickle	Colorless	None	None	None	Clear				7.49	71.96	0.2	0.4591	0.05	0.25	0	8700	
C350	Priority Low	Located	Complete	MS4	August 2, 2019	Sunny	70	48	1.25	198 bishop	North Nashua River MA81-02	Residential	fluted	High-Density Polyethylene	18	Trickle	Colorless	None	None	None	Clear	Yes	Inside and Outside Outfall		8.22	70.52	0.4	0.8682	0.50	0.25	0	210	Lawn watered upstream, Outfall was sampled upstream from a manhole
C3120	Priority Low	Located	Complete	MS4	July 26, 2019	Sunny	75	48	Trace	North Side of Parkhill Park (Downstream of C3119)	Sand Brook	Residential	Circular/Pipe	Corr. Metal	18	Running	Colorless	None	None	None	Clear	No			7.86	66.2	0.1	0.2427	0.40	0.25	0	39	
C223	Priority Low	Located	Complete	MS4	August 6, 2019	Sunny	80	72	Trace	John Fitch Highway SE of La Bella Pizza on SE corner of Bridge	Falulah Brook MA81-63	Commercial	Circular/Pipe	Reinforced Concrete Pipe	48	Trickle	Colorless	None	None	None	Clear	No			7.84	65.12	0.3	0.6664	0.05	0.25	0	20	
C511	Priority Low	Located	Complete	MS4	July 15, 2019	Sunny	77	72	0.81	Across from 375 Princeton Rd; Can-Am Machinery Parking lot	Flag Brook	Residential	Circular/Pipe	Cast iron	15	Trickle	Colorless	None	None	None	Clear	No			7.92	68.18	0.1	0.2427	0.00	0.25	0	0	
C513	Priority Low	Located	Complete	MS4	July 16, 2019	Sunny	77	96	0.81	Across from 407 Princeton Rd/ Can-Am Machinery	Flag Brook	Commercial	Circular/Pipe	Corr. Metal	36	Running	Colorless	None	None	Rust	Clear	No			8.35	61.52	0.6	1.2603	0.00	0.25	0	0	
C3116	Priority Low	Located	Complete	MS4	July 17, 2019	Sunny	79	120	0.81	South End in of Parkhill Park, at the upstream end of stone channel	Sand Brook	Residential	Box Culvert	Reinforced Conc	24 x 36	Running	Colorless	None	Red Algae	Red	Clear	Yes	Outside Outfall		6.76	64.22	0.3	0.6664	0.00	0.25	0	0	
C3115	Priority Low	Located	Complete	MS4	July 17, 2019	Partly Cloudy	79	120	0.81	South End in of Parkhill Park, within stone Channel	Sand Brook	Residential	Circular/Pipe	Reinforced Conc	24	Trickle	Colorless	None	Algae and Scum	Orange	Clear	No			6.79	65.3	0.4	0.8682	0.55	0.25	0	0	
C377	Priority Low	Located	Complete	MS4	August 5, 2019	Sunny	75	48	Trace	In the wood between 46 and 45 Hartland Ave (past the end of the street)	North Nashua River MA81-01	Residential	fluted	High-Density Polyethylene	12	Trickle	Colorless	None	None	None	Clear	No			6.26	57.2	0.1	0.2427	0.00	0.25	0.05	0	
C220	Problem	Located	Complete	MS4	July 8, 2019	Sunny	75	48	1.37	South side underneath Pearl Hill Rd Bridge	Falulah Brook	Fitchburg State	Circular/Pipe	Reinforced Conc	24	Running	Colorless	None	None	Rust	Clear	No			7.41	65.12	0.3	0.6664	0.20	0.2	0	12000	
C438	Problem	Located	Complete	MS4	July 10, 2019	Sunny	88	96	1.37	In woods across from Canton St, South Side of 44 Wanoosnoc Rd	North Nashua River MA81-02	Open Space	Box Culvert	Reinforced Conc	42 x 30	Running	Colorless	None	None	Rust	Clear	No			7.56	67.82	0.2	0.4591	0.10	0.2	0	4500	
C427	Problem	Located	Complete	MS4	July 8, 2019	Sunny	75	48	1.37	334 John Fitch	Baker Brook	Commercial	Circular/Pipe	Other	30	Running	Colorless	None	None	Rust	Clear	No			7.28	65.3	0.3	0.6664	0.40	0.2	0	3000	
C369	Priority Low	Located	Complete	MS4	August 5, 2019	Sunny	80	48	Trace	Nesr mctaggarts pond	Phillips Brook	Residential	Circular/Pipe	Reinforced Concrete Pipe	18	Running	Colorless	None	None	None	Clear	No			7.98	66.74	0.1	0.2427	0.00	0.2	0	140	
C503	Priority Low	Located	Complete	MS4	July 15, 2019	Sunny	75	72	0.81	Bray Ave South Detention Pond	Sawmill Pond	Residential	Circular/Pipe	PVC	18	Trickle	Colorless	None	Algae	Algae	Clear	No			7.41	70.34	0.2	0.4591	0.10	0.2	0	88	
C219	Priority Low	Located	Complete	MS4	July 8, 2019	Sunny	75	48	1.37	North Side underneath Pearl Hill Rd Bridge	Falulah Brook	Fitchburg State	Circular/Pipe	Clay	24	Running	Colorless	None	None	Corrosion	Clear	No			7.69	65.3	0.2	0.4591	0.00	0.2	0	80	
C3106	Priority Low	Located	Complete	MS4	August 15, 2019	Sunny	75	24	Trace	Behind 109 Depot St	Unnamed Trib to North Nashua River MA81-01	Residential	Circular/Pipe	Reinforced Concrete Pipe	30	Trickle	Colorless	None	None	Corrosion	Clear	No			7	62.24	0.3	0.863	0.00	0.2	0	23	
C481	Priority Low	Located	Complete	MS4	July 26, 2019	Mostly Sunny	83	48	Trace	Underneath Old Rollstone Street Bridge South Side (DPW Bridge)	North Nashua River MA81-02	Commercial	Circular/Pipe	HDPE	30	Running	Colorless	None	None	None	Clear	No			7	61.88	0.2	0.4591	0.00	0.2	0	8	
C3102	Priority Low	Located	Complete	MS4	June 10, 2020	Sunny	64	72	0.1	Behind 68 Bilotta Way in North Detention Pond	North Nashua River MA81-01		Circular/Pipe	HDPE	22	Trickle	Colorless	None	None	None	Clear	No		Outfall	7.36	59.5	0.2	0.548	0.10	0.2	0	6.32	
C525	Priority Low	Located	Complete	MS4	July 16, 2019	Sunny	77	96	0.81	East End of Pepper St	Shea Brook	Residential	Circular/Pipe	Reinforced Conc	24	Trickle	Colorless	None	None	Rust	Clear	Yes	Outside Outfall		7.32	66.02	0.2	0.4591	0.05	0.2	0	0	
C401	Problem	Located	Complete	MS4	July 8, 2019	Sunny	75	48	1.37	Upstream of coolodge park Bridge (West Bank)	Falulah Brook	Coolidge Park	Circular/Pipe	Reinforced Conc	30	Running	Colorless	None	Algae	None	Clear	No			7.07	61.7	0.3	0.6664	0.00	0.15	0	5100	
C330	Problem	Located	Complete	MS4	July 31, 2019	Sunny	80	48	0.01	Underneath Daniels St Bridge	North Nashua River MA81-02	Commercial	Box Culvert	Reinforced Conc	36 x 36	Gushing	Colorless	None	None	None	Clear	No			7.82	68.18	0.4	0.8682	0.00	0.15	0	4100	
C612	Priority Low	Located	Complete	MS4	July 25, 2019	Sunny	76	24	Trace	Behind 1426 Water St	Unnamed Trib to North Nashua River MA81-02	Commercial	Box Culvert	Reinforced Conc	36 x 36	Trickle	Colorless	None	None	None	Clear	No			7.91	68.54	0.3	0.6664	0.00	0.15	0	56	
C3101	Priority Low	Located	Complete	MS4	June 10, 2020	Sunny	64	72	0.1	Across from 520 Fairmount St (Assumed)	North Nashua River MA81-01	Residential	Circular/Pipe	VC	12	Running	Colorless	None	None	None	Clear	No		Outfall	6.67	57.1	0.2	0.493	0.10	0.15	0	10.89	
C306	Priority Low	Located	Complete	MS4	June 10, 2020	Sunny	64	72	0.1	East Side of Detention Pond at end of Valley View Court (Next to C305)	Unnamed Trib to North Nashua River MA81-02	Residential	Circular/Pipe	Reinforced Concrete Pipe	30	Running	Colorless	None	None	None	Clear	No		Outfall	7.16	60	0	0.123	0.05	0.15	0	1	flowing out of trumpetted 28" RCP; trickling flow (algae; "its own ecosystem"); 6" PVC upstream dry (no staining); no other structures in cul de sac; manhole in front of 56 Valleyview Ct had flow
C3113	Priority Low	Located	Complete	MS4	July 17, 2019	Cloudy	79	120	0.81	Across from 100 Franklin St (next to utility corridor)	Sand Brook	Commercial	Circular/Pipe	Reinforced Conc	30	Running	Colorless	None	None	Sediment	Clear	No			7.34	66.02	0.3	0.6664	0.05	0.15	0	0	30% full of sediment, flow is over sediment and rocks in pipe
C540	Priority Low	Located	Complete	MS4	June 17, 2020	Partly Cloudy	68	120	0.26	Just Outside Detention Pond Behind 32 Goodfellow Dr	Unnamed Trib to Monoosnoc Brook	Residential	Circular/Pipe	HDPE	24	None-Wet	Colorless	None	None	None	Clear	Yes	Inside Outfall	Unnamed manhole	6.93	62.6	0.1	0.321	0.05	0.15	0		
C236	Problem	Located	Complete	MS4	June 10, 2020	Sunny	64	72	0.1	Marden St, near intersection with Townsend St (Near Eastwood Club)	Falulah Brook MA81-63	Residential	Circular/Pipe	RCP	12	Running	Colorless	None	None	None	Clear	No		Manhole (on Marden Street)	8.08	61.3	0.2	0.466	0.05	0.1	0	39,780	
C3109	Priority Low	Located	Complete	MS4	July 9, 2019	Sunny	80	72	1.37	Next to 242 Rollstone Rd	Sand Brook	Residential	Circular/Pipe	Reinforced Conc	24	Trickle	Colorless	None	None	None	Clear	No			7.39	65.48	0.1	0.2427	0.05	0.1	0	98	
C331	Priority Low	Located	Complete	MS4	July 31, 2019	Sunny	83	48	0.01	Behind East side of 408 River St	North Nashua River MA81-02	Commercial	Box Culvert	Stone	12 x 24	Running	Colorless	None	Algae	Orange	Clear	No			6.31	61.7	0.2	0.4591	0.03	0.1	0	54	
C477	Priority Low	Located	Complete	MS4	July 26, 2019	Sunny	83	48	Trace	Behind Rollstone Bank & Trust; Across from DPW Parking Lot	North Nashua River MA81-02	Commercial	Circular/Pipe	Reinforced Conc	72	Gushing	Colorless	None	None	None	Clear	No			7.58	66.92	0.4	0.8682	0.00	0.1	0	46	
C534	Priority Low	Located	Complete	MS4	July 9, 2019	Partly Cloudy	70	72	1.37	Detention pond behind 257 Tibbett Circle	Unnamed Trib to Monoosnoc Brook	Residential	Circular/Pipe	High-Density Polyethylene	15	Trickle	Colorless	None	Algae	Green Algae	Clear	No			6.62	57.74	0.1	0.2427	0.00	0.1	0	20	
C379	Priority Low	Located	Complete	MS4	August 15, 2019	Sunny	75	24	Trace	Across from 490 Westminister St	North Nashua River MA81-01	Residential	Circular/Pipe	Cast Iron Pipe	8	Trickle	Red/Orange/Rust color	Musty	Rust	Rust and Corrosion	Suspended Solids	Yes	Outside Outfall		6.32	66.92	0	0.278	NA	0.1	0.1	7	Sample for Ammonia brought back color around 0.4, due to discolored water this was not assumed correct, Chlorine results are based on change in hue of sample (orange to pink)
C527	Priority Low	Located	Complete	MS4	July 16, 2019	Sunny	79	96	0.81	Behind 160 Pepper Rd (Upstream of C525)	Shea Brook	Residential	Circular/Pipe	HDPE	36	Trickle	Colorless	None	None	Sediment	Clear	Yes	Inside and Outside Outfall		5.85	66.02	0.2	0.4591	0.05	0.1	0	0	Sampled from upstream manhole, Upstream MH are close to sewer MH and one has evidence of groundwater/ other flow
C3114	Priority Low	Located	Complete	MS4	July 17, 2019	Cloudy	79	120	0.81	Across from 100 Franklin St (next to utility corridor)	Sand Brook	Commercial	Circular/Pipe	Reinforced Conc	30	Running	Colorless	None	None	Sediment	Clear	No			7.37	65.3	0.2	0.4591	0.00	0.1	0	0	Sediment fills about 30% of pipe, water flows over sediment
C3132	Priority Low	Located	Complete	Private	June 10, 2020	Sunny	70	72	0.1	In yard of 132 Beech St	North Nashua River MA81-02	Residential	Circular/Pipe	CMP	8	Running	Colorless	None	None	None	Clear	No		Outfall	6.8	65.8	0.2	0.355	0.10	0.1	0	18	Flowing (drain manhole was also flowing) 8" CMP not connected to anything - ask homeowners what they know about it/is it a floor drain
C343	Problem	Located	Complete	MS4	August 5, 2019	Sunny	75	48	Trace	Across from 601 River St North bank of Nashua River	North Nashua River MA81-02	Commercial	Box Culvert	Stone	24 x 36	Running	Colorless	None	None	None	Clear	No			7.53	64.76	0.2	0.4591	0.00	0.05	0	380	
C3122	Priority Low	Located	Complete	MS4	June 17, 2020	Partly Cloudy	68	120	0.26	Behind the Shed of 73 Amiott St	Sand Brook	Residential	Circular/Pipe	HDPE	12	Trickle	Colorless	None	None	None	Clear	No		Outfall	6.28	60	0	0.182	0.05	0	0	125	
C210	Priority Low	Located	Complete	MS4	July 2, 2019	Sunny	71	48	0.16	Fisher Rd Bridge SW side, easily visable	Falulah Brook	Open Space	Circular/Pipe	PVC	12	None-Dry		None	None	None		No											
C402	Priority Low	Located	Complete	MS4	July 2, 2019	Sunny	71	48	0.16	Upstream of coolodge park Bridge (West Bank)	Falulah Brook	Coolidge Park	Circular/Pipe	HDPE	12	None-Dry		None	None	None		No											
C407	Priority Low	Located	Complete	MS4	July 2, 2019	Partly Cloudy	71	48	0.16	Detention Pond at Almees Way NE Corner	Falulah Brook MA81-63	Residential	Trumpted	Reinforced Conc	30	None-Dry		None	None	None		No											
C408	Priority Low	Located	Complete	MS4	July 2, 2019	Sunny	71	48	0.16	Detention Pond at Almees Way SE Corner	Falulah Brook MA81-63	Residential	Fluted	Reinforced Conc	30	None-Dry		None	None	None		No											
C409	Priority Low	Located	Complete	MS4	July 2, 2019	Partly Cloudy	71	48	0.16	Detention Pond at Almees Way SW Corner	Falulah Brook MA81-63	Residential	Fluted	PVC	12	None-Dry		None	None	None		No											
C412	Priority Low	Located	Complete	MS4	July 2, 2019	Sunny	71	48	0.16	Downstream of Lunenburg St Bridge East Side	Falulah Brook	Commercial	Circular/Pipe	Reinforced Conc	30	None-Dry		None	None	None		No											
C423	Priority Low	Located	Complete	MS4	July 8, 2019	Sunny	75	48	1.37	In brook behind 334 John Fitch Highway (McDonalds)	Baker Brook	Commercial	Circular/Pipe	Corr. Metal	12	None-Dry		None	None	None		Yes	Inside Outfall										None-Wet on first inspection, standing water in pipe
C424	Priority Low	Located	Complete	MS4	July 8, 2019	Sunny	75	48	1.37	In brook behind 334 John Fitch Highway (McDonalds)	Baker Brook	Commercial	Circular/Pipe	Clay	6	None-Dry		None	None	None		No											
C426	Priority Low	Located	Complete	MS4	July 8, 2019	Sunny	75	48	1.37	In brook behind 334 John Fitch Highway (McDonalds)	Baker Brook	Commercial	Circular/Pipe	Clay	6	None-Dry		None	None	None		No											
Unnamed	Priority Low	Located	Complete	MS4	July 8, 2019	Partly Cloudy	75	48	1.37	Greenes Pond Dam on SE side of Bridge		Residential	Circular/Pipe	Clay Tile	8	None-Dry		None	None	None		No											
C428	Priority Low	Located	Complete	MS4	July 9, 2019	Partly Cloudy	80	72	1.37	In brook benind Jonh Fitch Highway Across from St Bernand Athletic Fields	Baker Brook	Residential	Circular/Pipe	Reinforced Conc	12	None-Dry		None	None	None		Yes	Outside Outfall										
C530	Priority Low	Located	Complete	MS4	July 9, 2019	Sunny	80	72	1.37	Next to 62 Anita Dr	Sand Brook	Residential	Circular/Pipe	PVC	12	None-Dry		None	None	Sediment		No											
C531	Priority Low	Located	Complete	MS4	July 9, 2019	Sunny	80	72	1.37	Between 105 and 121 Tibbett Circle	Unnamed Trib to Monoosnoc Brook	Residential	Circular/Pipe	PVC	15	None-Dry		None	None	None		No											
C532	Priority Low	Located	Complete	MS4	July 9, 2019	Sunny	80	72	1.37	Between 105 and 121 Tibbett Circle	Unnamed Trib to Monoosnoc Brook	Residential	Circular/Pipe	PVC	6	None-Dry		None	None	None		No											
C536	Priority Low	Located	Complete	MS4	July 9, 2019	Sunny	80	72	1.37	Off Watt's Way @ Eleanor St In Detention Pond	Sand Brook	Residential	Circular/Pipe	PVC	10	None-Dry		None	None	None		No											
C537	Priority Low	Located	Complete	MS4	July 9, 2019	Sunny	80	72	1.37	Detention Pond Across from 15 Carrie Ann Lane	Sand Brook	Residential	Fluted	Reinforced Conc	18	None-Dry		None	None	Sediment		No											
C538	Priority Low	Located	Complete	MS4	July 9, 2019	Sunny	80	72	1.37	Detention Pond Across from 15 Carrie Ann Lane	Sand Brook	Residential	Fluted	Reinforced Conc	18	None-Dry		None	None	None		No											
C533	Priority Low	Located	Complete	MS4	July 9, 2019	Sunny	80			Off Watt's Way @ Eleanor St In Detention Pond	Sand Brook	Residential	Circular/Pipe	PVC	24	None-Dry						No											
C205	Priority Low	Located	Complete	MS4	July 10, 2019	Sunny	88	96	1.37	In woods behind 709 and 697 Rindge Rd	Falulah Brook	Residential	Circular/Pipe	Reinforced Conc	24	None-Wet		None	None	None		Yes	Inside Outfall										
C101	Priority Low	Located	Complete	MS4	July 10, 2019	Sunny	88	96	1.37	833 Rindge Road	Falulah Brook	Residential	Circular/Pipe	Reinforced Conc	12	None-Dry		None	None	None		No											
C602	Priority Low	Located	Complete	MS4	July 10, 2019	Sunny	88	96	1.37	Stony Creek/ Next to 234 Wanoosnoc Rd	Unnamed Trib to North Nashua River MA81-02	Residential	Circular/Pipe	Clay	12	None-Dry		None	None	Sediment		No											
C603	Priority Low	Located	Complete	MS4	July 10, 2019	Sunny	88	96	1.37	Next to 30 Glen Ave	Monoossnoc Brook	Residential	Circular/Pipe	Reinforced Conc	12	None-Dry		None	None	None		No											Outlet of Possible Culvert, may have stormwater connections
C606	Priority Low	Located	Complete	MS4	July 10, 2019	Sunny	88	96	1.37	Next to 18 Olin Drive	Unamed Tribute to Monoosnoc Brook	Commercial	Circular/Pipe	Clay	12	None-Dry						No											
C505	Priority Low	Located	Complete	MS4	July 15, 2019	Sunny	78	72	0.81	Just Outside Bray Ave South Deteniton Pond (Outfall for C504 Inlet)	Sawmill Pond	Residential	Circular/Pipe	PVC	18	None-Dry		None	None	None		No											
C510	Priority Low	Located	Complete	MS4	July 15, 2019	Sunny	75	72	0.81	Just Outsdide Bray Ave North Detention Pond (Oufall to C509 Inlet)	Sawmill Pond	Residential	Circular/Pipe	HDPE	15	None-Dry		None	None	None		No											
C515	Priority Low	Located	Complete	MS4	July 15, 2019	Sunny	77	72	0.81	SW side of Fifth Mass Turnpike Bridge (Buried under thorn bush)	Flag Brook	Residential	Circular/Pipe	Reinforced Conc	12	None-Dry		None	None	None		No											CNA, Investigated upstream, 1st MH-Standing water, 2nd MH-1 standing water, Pipes Dry, no flow observed.
C518	Priority Low	Located	Complete	MS4	July 15, 2019	Sunny	77	72	0.81	Intersection of Authority Dr and Development Rd in woods	Wymans Brook	Industrial	Fluted	Reinforced Conc	30	None-Dry		None	None	Red Corrosion Stains		No											
C520	Priority Low	Located	Complete	MS4	July 15, 2019	Sunny	74	72	0.81	In woods at the end of Authority Dr	Wymans Brook	Industrial	Fluted	Reinforced Conc	15	None-Dry						No											
C526	Priority Low	Located	Complete	MS4	July 16, 2019	Sunny	79	96	0.81	Behind 160 Pepper Rd (Upstream of C525)	Shea Brook	Residential	Circular/Pipe	HDPE	36	None-Wet						Yes	Inside and Outside Outfall										Sediment in outfall, standing water led to upstream investigation. First upstream MH had standing water, second upstream MH was dry with no flow entering MH
C3111	Priority Low	Located	Complete	MS4	July 16, 2019	Sunny	77	96	0.81	Intersection of Rollstone Rd and Electirc Aveneue	Sand Brook	Commercial	Circular/Pipe	Reinforced Conc	8	None-Dry		None	None	None		No											
C3112	Priority Low	Located	Complete	MS4	July 16, 2019	Sunny	77	96	0.81	Intersection of Rollstone Rd and Electirc Aveneue	Sand Brook	Commercial	Circular/Pipe	Clay	15	None-Dry		None	None	None		No											
C514	Priority Low	Located	Complete	MS4	July 16, 2019	Sunny	72	96	0.81	Across from 407 Princeton Rd	Flag Brook	Residential	Circular/Pipe	Reinforced Conc	12	None-Dry						No											
C472	Priority Low	Located	Complete	MS4	July 17, 2019	Partly Cloudy	84	120	0.81	Across From 455 Milk St	Unamed Trib to North Nashua River MA81-02	Residential	Circular/Pipe	Corr. Metal	24	None-Dry						Yes	Outside Outfall										Investigate upstream
C473	Priority Low	Located	Complete	MS4	July 17, 2019	Cloudy	84	120	0.81	Across from 455 Milk St	Unnamed Trib to North Nashua River MA81-02	Residential	Circular/Pipe	Reinforced Conc	36	None-Dry						Yes	Outside Outfall										Investigate upstream
C388	Priority Low	Located	Complete	MS4	July 17, 2019	Cloudy	79	120	0.81	In the woods behind Arbor Way	Unamed Trib to North Nashua River MA81-01	Industrial	Circular/Pipe	Corr. Metal	48	None-Dry		None	None	Sediment		No											About 50% full of sediment

City of Fitchburg, Massachusetts
NPDES MS4 Compliance - Annual Report
Illicit Discharge Detection and Elimination (IDDE) Program
Dry Weather Outfall Screening
Updated: September 30th, 2019

Sorting Number	Outfall ID	Outfall Ranking	Outfall Located	Screening Status	Outfall Type	Inspection Date	Weather	Temperature (°F)	Last Rain Event (Hours)	Rain Accumulation (in)	Closest Address / Location	Receiving Water	Contributing Land Use	Outfall Shape	Outfall Material	Outfall Dimensions (in)	Flow	Color	Odor	Floatables	Deposits/Stains	Clarity	Standing Water	Location of Standing Water	Sample Location	pH	Sample Temperature (°F)	Salinity (ppt)	Spec. Cond (mS/cm)	Ammonia (ppm)	Surfactants (ppm)	Total Chlorine (ppm)	Lab Results - E.Coli (Col/100mL)	Inspection Comments
	C389	Priority Low	Located	Complete	MS4	July 17, 2019	Partly Cloudy	79	120	0.81	End of Stevens Rd	Unamed Trib to North Nashua River MA81-01	Industrial	Circular/Pipe	Corr. Metal	15	None-Dry		None	None			No											
	C390	Priority Low	Located	Complete	MS4	July 17, 2019	Partly Cloudy	79	120	0.81	End of Stevens Rd	Unamed Trib to North Nashua River MA81-01	Industrial	Fluted	Reinforced Conc	15	None-Dry		None	None	None		No											
	C396	Priority Low	Located	Complete	MS4	July 17, 2019	Cloudy	79	120	0.81	North side od detention pond at Victoria Lane @ Game On Way	BMP/Sawmill Pond	Residential	Circular/Pipe	Reinforced Conc	12	None-Dry		None	None	Sediment		No											About 25% full of sediment
	C465	Priority Low	Located	Complete	MS4	July 17, 2019	Sunny	79	120	0.81	Near Intersection of Electric Ave and South St, NE Side	Unnamed Trib to North Nashua River MA81-02	Residential	Circular/Pipe	Cast iron	6	None-Dry		None	None	None		No											
	C469	Priority Low	Located	Complete	MS4	July 17, 2019	Sunny	79	120	0.81	Mt Elam Rd Entrance to Coggshall Park	Unnamed Pond off Laurel Ave.	Residential	Circular/Pipe	PVC	18	None-Dry		None	None	None		No											
	C471	Priority Low	Located	Complete	MS4	July 17, 2019	Sunny	84	120	0.81	Across from 455 Milk St	Unamed Trib to North Nashua River MA81-02	Residential	Circular/Pipe	Reinforced Conc	12	None-Dry		None	None	None		No											
	C441	Priority Low	Located	Complete	MS4	July 25, 2019	Parlty Cloudy	79	24	Trace	In woods SE of Intersection of Water St and John T Centrino Memorial Dr	North Nashua River MA81-02	Residential	Circular/Pipe	Reinforced Conc	18	None-Dry		None	None	None		No											
	C479	Priority Low	Located	Complete	MS4	July 26, 2019	Mostly Sunny	83	48	Trace	Underneath Old Rollstone Street Bridge South Side (DPW Bridge)	North Nashua River MA81-02	Commercial	Circular/Pipe	Clay	24	None-Dry		None	None	None		No											
	C482	Priority Low	Located	Complete	MS4	July 26, 2019	Mostly Sunny	83	48	Trace	Underneath New Rollstone Street Bridge South Side	North Nashua River MA81-02	Commercial	Circular/Pipe	Cast iron	12	None-Dry		None	None	None		No											
	C309	Priority Low	Located	Complete	MS4	July 30, 2019	Sunny	85	24	0.01	Gateway Park	North Nashua River MA81-02	Open Space	Circular/Pipe	Clay	12	None-Dry						No											
	C311	Priority Low	Located	Complete	MS4	July 30, 2019	Sunny	80	24	0.01	Next to 242 Rollstone Rd	Sand Brook	Residential	Circular/Pipe	Reinforced Conc	24	None-Dry		None	None	Sediment		No											Partially filled with sediment
	C314	Priority Low	Located	Complete	MS4	July 30, 2019	Sunny	90	24	0.01	In Nashua River near abandoned Pedestrian bridge behind 1428 Main St	North Nashua River MA81-02	Residential	Circular/Pipe	Clay	12	None-Dry		None	None	None		No											Outlet pipe is broken
	C317	Priority Low	Located	Complete	MS4	July 30, 2019	Sunny	85	24	0.01	Yarn Works	North Nashua River MA81-02	Residential	Circular/Pipe	HDPE	18	None-Dry		None	None	None		No											
	C318	Priority Low	Located	Complete	MS4	July 30, 2019	Sunny	89	24	0.01	Parking Lot of 1428 Main St	North Nashua River MA81-02	Commercial	Circular/Pipe	HDPE	15	None-Dry		None	None	None		No											
	C319	Priority Low	Located	Complete	MS4	July 30, 2019	Sunny	90	24	0.01	Wallace @ River	North Nashua River MA81-02	Commercial	Circular/Pipe	Clay	8	None-Dry			None	Sediment		No											Partially filled with sediment and debris
	C320	Priority Low	Located	Complete	MS4	July 30, 2019	Sunny	85	24	0.01	Wallace @ River	North Nashua River MA81-02	Commercial	Circular/Pipe	Clay	12	None-Dry			None	None		No											
	C321	Priority Low	Located	Complete	MS4	July 30, 2019	Sunny	87	24	0.01	River St Bridge @ Wallace Rd, West Side Downstream	North Nashua River MA81-02	Commercial	Circular/Pipe	CT - Clay Tile	12	None-Dry			None	None		No											
	C322	Priority Low	Located	Complete	MS4	July 30, 2019	Sunny	87	24	0.01	River St Bridge @ Wallace Rd, West Side Downstream	North Nashua River MA81-02	Commercial	Circular/Pipe	CT - Clay Tile	12	None-Dry			None	None		No											
	C323	Priority Low	Located	Complete	MS4	July 30, 2019	Sunny	85	24	0.01	River St Bridge @ Wallace Rd, West Side Underneath	North Nashua River MA81-02	Commercial	Circular/Pipe	PVC	12	None-Dry			None	None		No											
	C329	Priority Low	Located	Complete	MS4	July 30, 2019	Sunny	85	24	0.01	Underneath Daniels St Bridge	North Nashua River MA81-02	Commercial	Circular/Pipe	Clay	12	None-Dry		None	None	None		No											
	C445	Priority Low	Located	Complete	MS4	July 30, 2019	Sunny	83	24	0.01	In Nashua River near corner of First St and Railroad St	North Nashua River MA81-02	Residential	Circular/Pipe	Clay	8	None-Dry						No											CNL, upstream manhole was dry
	C446	Priority Low	Located	Complete	MS4	July 30, 2019	Sunny	85	24	0.01	Under Water St Bridge at Central Plaza South Side	North Nashua River MA81-02	Residential	Circular/Pipe	Clay	24	None-Dry		Sewage	None	None		No											Possible CSO
	C450	Priority Low	Located	Complete	MS4	July 30, 2019	Sunny	83	24	0.01	North Side of Walnut St	North Nashua River MA81-02	Residential	Circular/Pipe	Clay	8	None-Dry		None	None	Sediment		No											Corrosion on headwall around pipe
	C451	Priority Low	Located	Complete	MS4	July 30, 2019	Sunny	83	24	0.01	North Side of Walnut St	North Nashua River MA81-02	Residential	Circular/Pipe	Clay	6	None-Dry		None	None	None		No											
	C452	Priority Low	Located	Complete	MS4	July 30, 2019	Sunny	83	24	0.01	North Side of Walnut St	North Nashua River MA81-02	Residential	Circular/Pipe	Cast Iron	8	None-Dry						No											
	C484	Priority Low	Located	Complete	MS4	July 30, 2019	Sunny	83	24	0.01	Circle St Bridge	North Nashua River MA81-02	Industrial	Circular/Pipe	Clay	10	None-Dry						No											Too high to fully inspect, inspected from below, corrosion on headwall
	C485	Priority Low	Located	Complete	MS4	July 30, 2019	Sunny	85	24	0.01	Circle St Bridge	North Nashua River MA81-02	Industrial	Circular/Pipe	Clay	4	None-Dry						No											Too high to fully inspect, inspected from below
	C486	Priority Low	Located	Complete	MS4	July 30, 2019	Sunny	85	24	0.01	Circle St Bridge	North Nashua River MA81-02	Industrial	Circular/Pipe	Clay	18	None-Dry						No											Too high to fully inspect, inspected from below
	C487	Priority Low	Located	Complete	MS4	July 30, 2019	Sunny	85	24	0.01	Circle St Bridge	North Nashua River MA81-02	Industrial	Circular/Pipe	HDPE	12	None-Dry						No											Too high to fully inspect, inspected from below
	N/A-003	Priority Low	Located	Complete	MS4	July 30, 2019	Sunny	73	24	0.01	Kyle Rd		Residential	Circular/Pipe	Reinforced Concrete Pipe	18	None-Dry						No											
	C322	Priority Low	Located	Complete	MS4	July 30, 2019	Sunny	83			River St Bridge @ Wallace Rd, West Side Downstream	North Nashua River MA81-02	Commercial	Circular/Pipe	Clay	10	None-Dry						No											
	C324	Priority Low	Located	Complete	MS4	July 31, 2019	Sunny	83	48	0.01	Under Kimball St Bridge (between rotary and Cleghorn St) East side	North Nashua River MA81-02	Residential	Circular/Pipe	Cast Iron	12	None-Dry		None	None	None		No											
	C326	Priority Low	Located	Complete	MS4	July 31, 2019	Sunny	85	48	0.01	Cleghorn St	North Nashua River MA81-02	Residential	Circular/Pipe	HDPE	12	None-Dry						No											
	C327	Priority Low	Located	Complete	MS4	July 31, 2019	Sunny	85	48	0.01	Cleghorn St	North Nashua River MA81-02	Residential	Circular/Pipe	Corr. Metal	18	None-Dry						No											
	C334	Priority Low	Located	Complete	MS4	July 31, 2019	Partly Cloudy	80	48	0.01	Underneath Oak Hill Rd Bridge South Side (River St. @ Oak Hill Rd)	North Nashua River MA81-02	Commercial	Circular/Pipe	Reinforced Conc	48	None-Dry		None	None	None		No											Possibly a CSO
	C336	Priority Low	Located	Complete	MS4	July 31, 2019	Sunny	85	48	0.01	Between 25 and 41 Almount St	North Nashua River MA81-02	Residential	Circular/Pipe	Clay	12	None-Dry		None	None	None		No											
	C352	Priority Low	Located	Complete	MS4	August 2, 2019	Sunny	75	48	1.25	Detion Pond in center of Bishop Rd	North Nashua River MA81-02	Residential	Circular/Pipe	High-Density Polyethylene	18	None-Wet						Yes	Inside and Outside Outfall										OF submerged, 1st upstream MH- standing water, 2nd upstream MH-sediment/standing water but had no incoming flow seen
	C347	Priority Low	Located	Complete	MS4	August 2, 2019	Sunny	70	48	1.25	castle st	North Nashua River MA81-02	Residential	fluted	High-Density Polyethylene	12	None-Dry		None	None	None		No											Revisit by Fitchburg Interns
	C354	Priority Low	Located	Complete	MS4	August 2, 2019	Sunny	75	48	1.25	Across from 753 River St	North Nashua River MA81-01	Residential	Circular/Pipe	Reinforced Concrete Pipe	48	None-Dry		None	None	None		No											
	C359	Priority Low	Located	Complete	MS4	August 2, 2019	Sunny	80	48	1.25	Depot st bridge	North Nashua River MA81-01	Residential	Circular/Pipe	Clay Tile	12	None-Dry						No											CNA, visual inspection done from closest access point
	C368	Priority Low	Located	Complete	MS4	August 2, 2019	Sunny	80	48	1.25	365 Ashburnham st	Unnamed Trib to Phillips Brook	Residential	Circular/Pipe	Reinforced Concrete Pipe	18	None-Dry		None	None	Sediment		No											Half Buried
	C348	Priority Low	Located	Complete	MS4	August 5, 2019	Partly Cloudy	70	48	Trace	castle st	North Nashua River MA81-02	Residential	fluted	High-Density Polyethylene	12	None-Dry		None	None	None		No											
	C373	Priority Low	Located	Complete	MS4	August 5, 2019	Sunny	75	48	Trace	224 ashburnham st	Unnamed Trib to Phillips Brook	Residential	Circular/Pipe	High-Density Polyethylene	8	None-Dry		None	None	None		No											
	C383	Priority Low	Located	Complete	MS4	August 5, 2019	Sunny	75	48	Trace	Across from 1 Overland	Unnamed Trib to North Nashua River MA81-01	Residential	Circular/Pipe	Polyvinyl Chloride	6	None-Dry		None	None	None		No											
	C392	Priority Low	Located	Complete	MS4	August 5, 2019	Sunny	75	48	Trace	At the end of Swail SW of the SW detention Pond	BMP/Sawmill Pond	Industrial	Circular/Pipe	Polyvinyl Chloride	6	None-Dry		None	None	None		No											
	C201	Priority Low	Located	Complete	MS4	August 6, 2019	Sunny	75	72	Trace	NW Corner of detention pond behind 513 Richardson Rd	Unnamed Trib to Greene's Pond	Residential	Circular/Pipe	High-Density Polyethylene	12	None-Wet		None	None	None		Yes	Inside and Outside Outfall										Half submerged, two pipes feed into outlet, first upstream MH dry, other Pipe/MH not inspected
	C405	Priority Low	Located	Complete	MS4	August 6, 2019	Partly Cloudy	80	72	Trace	Downstream of Coolidge Park Bridge (West Bank) behind 197 Townsend St	Falulah Brook	Residential	Circular/Pipe	Reinforced Concrete Pipe	36	None-Wet						Yes	Inside and Outside Outfall										Upstream investigated, Upstream MH was wet but had no visible flow
	C202	Priority Low	Located	Complete	MS4	August 6, 2019	Sunny	75	72	Trace	NE Corner of detention pond behind 513 Richardson Rd	Unnamed Trib to Greene's Pond	Residential	Circular/Pipe	HDPE	24	None-Wet		None	None	Red/Orange Sediment		Yes	Inside Outfall										Possible Culvert
	C204	Priority Low	Located	Complete	MS4	August 6, 2019	Sunny	80	72	Trace	Scott Rd; Sima Park	Unnamed Trib to Falulah Brook	Residential	Circular/Pipe	Reinforced Conc	12	None-Dry						No											
	C224	Priority Low	Located	Complete	MS4	August 6, 2019	Sunny	80	72	Trace	John Fitch @ Civic center	Falulah Brook MA81-63	Residential	Circular/Pipe	Polyvinyl Chloride	6	None-Dry		None	None	None		No											Not certain this is a MS4 outfall, confirm with record drawings
	C225	Priority Low	Located	Complete	MS4	August 6, 2019	Sunny	80	72	Trace	John Fitch@civic center	Falulah Brook MA81-63	Commercial	Circular/Pipe	Polyvinyl Chloride	15	None-Dry		None	None	None		No											
	C227	Priority Low	Located	Complete	MS4	August 6, 2019	Partly Cloudy	80	72	Trace	Coolidge @ oakwood	Falulah Brook	Coolidge Park	Circular/Pipe	High-Density Polyethylene	12	None-Dry		None	None	None		No											
	C228	Priority Low	Located	Complete	MS4	August 6, 2019	Partly Cloudy	80	72	Trace	Coolidge @ oakwood	Falulah Brook	Coolidge Park	Circular/Pipe	High-Density Polyethylene	12	None-Dry		None	None	None		No											Partially Buried
	C230	Priority Low	Located	Complete	MS4	August 6, 2019	Sunny	80	72	Trace	Lower rindge rd	Falulah Brook	Open Space	Circular/Pipe	Reinforced Conc	12	None-Dry		None	None	None		No											
	C231	Priority Low	Located	Complete	MS4	August 6, 2019	Sunny	80	72	Trace	Lower rindge rd	Falulah Brook	Open Space	Circular/Pipe	Corrugated Metal Pipe	12	None-Dry		None	None	None		No											
	C232	Priority Low	Located	Complete	MS4	August 6, 2019	Sunny	82	72	Trace	Lower Rindge Rd	Falulah Brook	Open Space	Circular/Pipe	Corrugated Metal Pipe	15	None-Dry		None	None	None		No											
	C233	Priority Low	Located	Complete	MS4	August 6, 2019	Partly Cloudy	80	72	Trace	Lower rindge rd. McKay	Falulah Brook	Open Space	Circular/Pipe	High-Density Polyethylene	12	None-Dry		None	None	None		No											
	C244	Priority Low	Located	Complete	MS4	August 6, 2019	Sunny	70	72	Trace	Arn how farm road	Unnamed Trib to Saima Pond	Residential	Circular/Pipe	High-Density Polyethylene	12	None-Dry		None	None	None		No											
	C403	Priority Low	Located	Complete	MS4	August 6, 2019	Partly Cloudy	80	72	Trace	Coolidge	Falulah Brook	Residential	Circular/Pipe	Reinforced Concrete Pipe	18	None-Dry		None	None	None		No											Partially Buried
	N/A-004	Priority Low	Located	Complete	MS4	August 6, 2019	Sunny	73	72	Trace	Kyle Rd		Residential	Circular/Pipe	Reinforced Concrete Pipe	18	None-Dry						No											
	C222	Priority Low	Located	Complete	MS4	August 7, 2019	Partly Cloudy	70	96	Trace	On hillside in fron of Burbank Hospital, near top of hill	Falulah Brook MA81-63	Commercial	Circular/Pipe	Reinforced Concrete Pipe	18	None-Dry						No											
	C3118	Priority Low	Located	Complete	MS4	August 7, 2019	Mostly Sunny		96	Trace	In the woods behind 55 Causeway St	Sand Brook	Residential	Circular/Pipe	PVC	18	None-Dry						No											Upstream manhole completely dry
	C374	Priority Low	Located	Complete	MS4	August 7, 2019	Partly Cloudy	70	96	Trace	Sanborn St	Phillips Brook	Residential	Circular/Pipe	Clay Tile	12	None-Dry						No											Partially buried. upstream dry, no flow.
	C406	Priority Low	Located	Complete	MS4	August 7, 2019	Partly Cloudy	70	96	Trace	Downstream of Coolidge Park Bridge (East Bank) behind 146 Buttrick Ave	Falulah Brook	Residential	Circular/Pipe	Reinforced Concrete Pipe	24	None-Dry						No											upstream mh dry
	C517	Priority Low	Located	Complete	MS4	August 7, 2019	Partly Cloudy	70	96	Trace	Detention pond behind 257 Tibbett Circle	Unnamed Trib to Monoosnoc Brook	Residential	Circular/Pipe	High-Density Polyethylene	15	None-Dry						No											
	C534	Priority Low	Located	Complete	MS4	August 7, 2019	Partly Cloudy	70	96	Trace	Off Watt's Way @ Eleanor St In Detention Pond	Sand Brook	Residential	Circular/Pipe	Polyvinyl Chloride	12	None-Dry						No											
	C209	Priority Low	Located	Complete	MS4	August 9, 2019	Sunny	80	24	0.38	Greens Pond Bridge, Ashbystate Rd, NE side	Falulah Brook	Residential	Circular/Pipe	Corr. Metal	12	None-Dry		None	None	Rust		No											Revisit by Fitchburg Interns, bottom of outfall rusted/corroded out
	C310	Priority Low	Located	Complete	MS4	August 9, 2019	Sunny	80	24	0.38	Intersection of West St and Sheldon St Downstream	North Nashua River MA81-02	Residential	Circular/Pipe	Clay	12	None-Dry		None	None	None		No											Revisit by Fitchburg Interns
	C3103	Priority Low	Located	Complete	MS4	August 9, 2019	Sunny	75			Behind 76 Bilotta Way in South Detention Pond	North Nashua River MA81-01	Residential	Circular/Pipe	High-Density Polyethylene	20	None-Dry						No											
	C328	Priority Low	Located	Complete	MS4	August 9, 2019	Sunny	80	24	0.38	Cleghorn St	North Nashua River MA81-02	Residential	Circular/Pipe	Corr. Metal	18	None-Dry						No											No upstream MH visible, upstream CB are filled with sediment, Revisit by Fitchburg Interns
	Unmarked-1	Priority Low	Located	Complete	MS4	August 9, 2019					South St @ Olin Ave (DeCarolis Insurance Parking lot)		Commercial	Circular/Pipe	Reinforced Conc	15	None-Dry						No											
	Unmarked-2	Priority Low	Located	Complete	MS4	August 9, 2019	Sunny	82			Ashby State @ Kyle Rd		Residential	Circular/Pipe	Reinforced Conc	15	None-Dry						No											Previously unmarked. New point placed using arcgis online.
	C206	Priority Low	Located	Complete	MS4	August 12, 2019	Sunny	85	48	Trace	Greens Pond	Greene's Pond/ Falulah Brook MA81-63	Open Space	Circular/Pipe	Reinforced Conc	24	None-Dry		None	None	None	Clear	Yes	Inside and Outside Outfall										Revisit by Fitchburg Interns, 1st upstream manhole paved over. 2nd upstream manhole inspected and found dry.
	C351	Priority Low	Located	Complete	MS4	August 12, 2019	Sunny	75	48	Trace	Detion Pond in center of Bishop Rd	North Nashua River MA81-02	Residential	fluted	High-Density Polyethylene	18	None-Wet		None	None	Sediment		Yes	Inside and Outside Outfall										Revisit by Fitchburg Interns. Submerged. 1st upstream manhole, standing water. 2nd Upstream manhole standing water below pipe inverts, all pipes dry.
	C371	Priority Low	Located	Complete	MS4	August 13, 2019	Partly Cloudy	75	72	Trace	Along Westminister Hill Rd between Sanborn St and Baltic Lane (Best observed from Canyon)	Phillips Brook	Residential	Circular/Pipe	Clay Tile	8	None-Dry						No											Pipe is broken
	C372	Priority Low	Located	Complete	MS4	August 13, 2019	Partly Cloudy	75	72	Trace	Along Westminister Hill Rd between Sanborn St and Baltic Lane (Best observed from Canyon)	Phillips Brook	Residential	Circular/Pipe	Corrugated Metal Pipe	15	None-Dry						No											
	C380	Priority Low	Located	Complete	MS4	August 13, 2019	Partly Cloudy	75	72	Trace	Across from 490 Westminister St	North Nashua River MA81-01	Residential	Circular/Pipe	Reinforced Concrete Pipe	30	None-Dry						No											Sediment in pipe

City of Fitchburg, Massachusetts
NPDES MS4 Compliance - Annual Report
Illicit Discharge Detection and Elimination (IDDE) Program
Dry Weather Outfall Screening
Updated: September 30th, 2019

~ Map Number	Outfall ID	Outfall Ranking	Outfall in Ice well	Screening Status	Outfall Type	Inspection Date	Weather	Temperature (°F)	Last Rain Event (Hours)	Rain Accumulation (in)	Closest Address / Location	Receiving Water	Contributing Land Use	Outfall Shape	Outfall Material	Outfall Dimension (in)	Flow	Color	Odor	Floatables	Deposits/Stains	Clarity	Standing Water	Location of Standing Water	Sample Location	pH	Sample Temperature (°F)	Salinity (ppt)	Spec. Cond (mS/cm)	Ammonia (ppm)	Surfactants (ppm)	Total Chlorine (ppm)	Ca Hardn. (CaCO3(ppm))	Inspection Comments
C312	Priority Low	Located	Complete	MS4	August 14, 2019	Partly Cloudy	75			Underneath Sheldon St Bridge	North Nashua River MA81-02	Residential	Circular/Pipe	Cast Iron Pipe	18	None-Dry							No										Outfall was wet, upstream had flow but not enough to sample, sandbag candidate; Revisited July 21, 2020 - 2nd upstream manhole had no pickholes
C313	Priority Low	Located	Complete	MS4	August 14, 2019	Partly Cloudy	75			Underneath Sheldon St Bridge	North Nashua River MA81-02	Residential	Circular/Pipe	Reinforced Concrete Pipe	12	None-Dry							No										
C478	Priority Low	Located	Complete	MS4	August 14, 2019	Mostly Sunny	71			Underneath Old Rollstone Street Bridge North Side	North Nashua River MA81-02	Commercial	Circular/Pipe	Clay	12	None-Dry							No										
C212	Priority Low	Located	Complete	MS4	June 9, 2020	Partly Cloudy	66	24	Trace	Inside culvert near intersection of Richardson Rd and Richardson Dr, upstream of Manhole	Falulah Brook MA81-63		Circular/Pipe	VC	12	None-Wet		None	None	None			No										Inspected Wet, no signs of flow
C214	Priority Low	Located	Complete	MS4	June 9, 2020	Partly Cloudy	66	24	Trace	Behind 205 and 221 Will Thompson Way	Unnamed Trib to Falulah Brook MA81-63		Circular/Pipe	RCP	24	None-Wet		None	None	None			Yes	Inside and Outside Outfall									Possible Culvert, buried, no apparent flow
C234	Priority Low	Located	Complete	MS4	June 9, 2020	Partly Cloudy	66	24	Trace	Marden St, near intersection with Townsend St (Near Eastwood Club)	Falulah Brook MA81-63		Circular/Pipe	VC	12	None-Dry		None	None	None			No										
C235	Priority Low	Located	Complete	MS4	June 9, 2020	Partly Cloudy	66	24	Trace	Marden St, near intersection with Townsend St (Near Eastwood Club)	Falulah Brook MA81-63		Circular/Pipe	VC	12	None-Dry		None	None	None			No										
C305	Priority Low	Located	Complete	MS4	June 9, 2020	Partly Cloudy	66	24	Trace	East Side of Detention Pond at end of Valley View Court	Unnamed Trib to North Nashua River MA81-02		Circular/Pipe	PVC	12	None-Dry		None	None	None			No										
C429	Priority Low	Located	Complete	MS4	June 17, 2020	Partly Cloudy	68	120	0.26	In brook benind Jonh Fitch Highway Across from St Bernard Athletic Fields	Baker Brook		Circular/Pipe	RCP	12	None-Dry		None	None	None			No		Upstream stormwater structure								CNA/CNL Upstream Manhole was inspected as dry
C468	Priority Low	Located	Complete	MS4	June 16, 2020	Partly Cloudy	66	96	0.26	Across from 455 Milk St (Likley originatates from manhole @ intersection of Hutchinson and Seneca)	Unnamed Trib to North Nashua River MA81-02		Circular/Pipe	VC	12	None-Dry		None	None	None			No										
C512	Priority Low	Located	Complete	MS4	June 16, 2020	Partly Cloudy	66	96	0.26	Between 180 and 160 Authority Dr	Wymans Brook		Circular/Pipe	RCP	36	None-Dry		None	None	None			No										Observed Dry from across Brook
C543										Intersection of Crawford St and Airport Blvd	North Nashua River MA81-02		Circular/Pipe	HDPE	24																	
C528	Priority Low	Located	Complete	MS4	July 17, 2019	Sunny	84	120	0.81	Detention pond East end of Sarah Lane (Next to 69 Sarah Lane)	Shea Brook	Residential	Circular/Pipe	Reinforced Conc	18					Sediment			No										Filled with sediment/buried. Upstream investigation showed no signs of flow
C355	Priority Low	Located	Complete	MS4	July 31, 2019	Sunny	85	48	0.01	Intersection of Fairmount St and Liberty Cir (North)	North Nashua River MA81-02	Residential	Circular/Pipe	Reinforced Conc	18	None-Wet							No										Second Visit 8/15, still "None-Wet" upstream investigation yielded 2 MH that were CNA and a third under a parked car.
C448	Priority Low	Located Not Accessible	Complete	MS4	July 30, 2019	Sunny	83	24	0.01	North Side of Walnut St	North Nashua River MA81-02	Residential	Circular/Pipe	Clay	12	None-Dry		None	None	None			No										Pipe too high to access, pipe broken at bottom, inspection done below pipe, possible CSO
C430	Priority Low	Not Found	Complete	MS4	July 9, 2019	Partly Cloudy	80	72	1.37	In brook next to 130 John Fitch Highway (Carstar)	Baker Brook	Commercial	Circular/Pipe	Reinforced Conc	12	None-Dry		None	None	None			No										
C384	Priority Low	Not Found	Complete	MS4	June 10, 2020	Partly Cloudy	64	72	0.1	Behind 114 Cascade St	Unnamed Trib to North Nashua River MA81-01		Circular/Pipe	HDPE	12	None-Dry		None	None	None			No		Upstream stormwater structure								Upstream Structure was inspected dry
C411	Priority Low	Located	Incomplete	MS4	July 2, 2019	Partly Cloudy	71	48	0.16	Detention Pond at Almers Way SW Corner	Falulah Brook MA81-63	Residential	Fluted	PVC	12	None-Wet						Yes	Inside and Outside Outfall										Will Need Detail to inspect Upstream (nearest address on John Fitch Highway, actually?)
C416	Priority Low	Located	Incomplete	MS4	July 2, 2019	Sunny/Clear	71	48	0.16	In brook on North Side of Parkinglot at John Fitch Plaza	Falulah Brook	Commercial	Circular/Pipe	Reinforced Conc	18	None-Wet						Yes	Inside and Outside Outfall										Revisited July 21, 2020; still partially submerged - request record drawings
C529	Priority Low	Located	Incomplete	MS4	July 8, 2019		75	48	1.37	62 Anita Drive	Sand Brook	Residential	Circular/Pipe	PVC - Polyvinyl Chloride	12	None-Wet						Yes	Inside and Outside Outfall										Submerged outfall, investigate upstream
C455	Priority Low	Located	Incomplete	MS4	July 26, 2019	Sunny	75	48	Trace	Just Downstream of Laurel St Bridge, West Bank	North Nashua River MA81-02	Residential	Circular/Pipe	Reinforced Conc	60	None-Wet						Yes	Inside and Outside Outfall										Could not inspect upstream, may need detail for South St; Revisited July 21, 2020 - odor near OF/still need detail for upstream investigation
C315	Priority Low	Located	Incomplete	MS4	July 30, 2019	Sunny	85	24	0.01	In Nashua River near abandoned Pedestrian bridge behind 1428 Main St	North Nashua River MA81-02	Residential	Circular/Pipe	Cast Iron	12	None-Wet		None	None	None		Yes	Inside and Outside Outfall										Investigate upstream, outlet pipe faces running water, brook flows into outlet (review map of upstream structures Jul. 2020)
C316	Priority Low	Located	Incomplete	MS4	July 30, 2019	Sunny	85	24	0.01	In Nashua River near abandoned Pedestrian bridge behind 1428 Main St	North Nashua River MA81-02	Commercial	Circular/Pipe	Cast Iron	12	None-Wet						Yes	Inside and Outside Outfall										Investigate upstream (review map of upstream structures July 2020)
C464	Priority Low	Located	Incomplete	MS4	August 15, 2019	Sunny	79	24	Trace	Near Intersection of Electric Ave and South St, NE Side	Unnamed Trib to North Nashua River MA81-02	Residential	Circular/Pipe	Reinforced Conc	36	None-Wet						Yes	Inside and Outside Outfall										Upstream MH(s) had no pick holes, could not open, could hear flow upstream but could not see movement in water inside outfall to sample from
C607	Priority Low	Located	Incomplete	MS4	July 10, 2019	Sunny	88	96	1.37	Next to 18 Olin Drive	Unamed Tributo to Monoosnoc Brook	Commercial	Circular/Pipe	Reinforced Conc	12	None-Wet							No										Half full of mud/clay, may need detail to inspect upstream
N/A-001	Priority Low	Located	Incomplete	MS4	July 10, 2019	Sunny	73	96	1.37	Kyle Rd		Residential	Circular/Pipe	Reinforced Concrete Pipe	18	None-Wet		None	None	Sediment			No										Possible Culvert, Found Inlet, no stormwater system visible on street
C432	Priority Low	Located	Incomplete	MS4	July 10, 2019	Sunny	88	96	1.37	Behind 68 Airport Rd, in swail hidden by dense Bamboo	North Nashua River MA81-02	Commercial	Circular/Pipe	Corr. Metal	48	Trickle		None	None	None			No										Possible Culvert- system runs through, C433 is paired as an outlet flowing to inlet
C433	Priority Low	Located	Incomplete	MS4	July 10, 2019	Sunny	88	96	1.37	Behind 68 Airport Rd, in swail hidden by dense Bamboo	North Nashua River MA81-02	Commercial	Circular/Pipe	HDPE	12	Trickle	Colorless	None	None	None	Clear		No										Possible Culvert
C476	Priority Low	Located	Incomplete	MS4	July 26, 2019	Sunny	83	48	Trace	Behind Rollstone Bank & Trust; Across from DPW Parking Lot	North Nashua River MA81-02	Commercial	Circular/Pipe	PVC	12	Trickle	Colorless	None	None	None	Clear		No										Dripping, could not sample. First upstream MH was filled with sediment, evidence of flow, second upstreamMH was filled with sediment/standing water; Revisited July 21, 2020 - PVC pipe to OF wet (MH filled with water and sediment is overflowing into it), request record drawings
C447	Priority Low	Located	Incomplete	MS4	July 30, 2019	Sunny	85	24	0.01	Under Water St Bridge at Central Plaza North Side	North Nashua River MA81-02	Commercial	Circular/Pipe	PVC	24	Trickle			None	None			No										Revisit/Inspect upstream, marked as a CSO
C360	Priority Low	Located	Incomplete	MS4	August 2, 2019	Sunny	75	48	1.25	Depot St Bridge North Side	North Nashua River MA81-01	Open Space	Circular/Pipe	Polyvinyl Chloride	12	None-Wet							No										Pipe broken, CNA (20 ft above ground, 15 feet below grade), CB upstream had standing water, 1 drop every 10-20 seconds from outfall,
C218	Priority Low	Located	Incomplete	MS4	August 6, 2019	Sunny	80	72	Trace	John Fitch Highway NE side of bridge between Will Thompson way and Pearl Hill Rd	Falulah Brook	Residential	Circular/Pipe	Reinforced Concrete Pipe	12	None-Wet		None	None				No										Outfall was wet, upstream had flow but not enough to sample, sandbag candidate; Revisited July 21, 2020 - 2nd upstream manhole had no pickholes
C229	Priority Low	Located	Incomplete	MS4	August 7, 2019	Partly Cloudy	70	96	Trace	Intersection of Blossom St. and Mt.Vernon St.	Falulah Brook MA81-63	Residential	Circular/Pipe	High-Density Polyethylene	12	None-Wet							No										Revisited July 21, 2020; top of rivets in pipe are dry, bad erosion in area of outfall - request record plans
Unmarked-3	Priority Low	Located	Incomplete	MS4	August 13, 2019	Partly Cloudy	75	72	Trace			Residential	Circular/Pipe	Clay Tile	8	None-Wet							No										
C208	Priority Low	Located Not Accessible	Incomplete	MS4	July 9, 2019	Sunny	80	72	1.37	Greens Pond Bridge, Ashbystate Rd, NW side	Falulah Brook	Residential	Circular/Pipe	Reinforced Conc	12								No										CNA, Investigate upstream
C454	Priority Low	Located Not Accessible	Incomplete	MS4	July 26, 2019			48	Trace	5th Street Bridge	North Nashua River MA81-02	Commercial	Circular/Pipe	Other	8								No										5th street bridge, CNA- upstream manhole has dripping inlet pipe, no cover
C303	Priority Low	Located Not Accessible	Incomplete	MS4	July 30, 2019	Sunny	85	24	0.01	Under River st Bridge at Intersection with Main St (by KC's Pub) South Side	North Nashua River MA81-02	Commercial	Circular/Pipe	CT - Clay Tile	18	Running		None	None				No										CNA, will need detail to go upstream
C333	Priority Low	Located	Incomplete	MS4	July 31, 2019	Partly Cloudy	80	48	0.01	Underneath Oak Hill Rd Bridge South Side (River St. @ Oak Hill Rd)	North Nashua River MA81-02	Commercial	Circular/Pipe	Reinforced Conc	48	Trickle		Sewage	None	None			No										Suspected CSO, inspect upstream of regulator for sampling
C475	Priority Low	Located Not Accessible	Incomplete	MS4	August 5, 2019	Sunny	70	48	Trace	At the end of Kimball St Sewer Easememnt (Bewteen Intersections with Putnam and Franklin)	North Nashua River MA81-02	Commercial	Circular/Pipe	Corrugated Metal Pipe	12	Running							No										Flowing, upstream MH is sediment filled
C417	Priority Low	Not Found	Incomplete		July 2, 2019	Sunny/Clear	71	48	0.16	In brook on North Side of Parkinglot at John Fitch Plaza	Falulah Brook	Commercial	Circular/Pipe	Reinforced Conc	12								No										
C376	Priority Low	Not Found	Incomplete		August 5, 2019	Sunny	75	48	Trace	In the wood between 46 and 45 Hartland Ave (past the end of the street)	North Nashua River MA81-01	Residential	Circular/Pipe	Polyvinyl Chloride	12																		Upstream structure was dry, possible outlet to a blow-off valve (July 2020 - upstream SW dry 2 12" HDPE)
C203	Priority Low	Not Found	Incomplete		August 6, 2019	Sunny	80	72	Trace																								
C462	Priority Low	Not Found	Incomplete		August 15, 2019	Sunny	70	24	Trace	Near Intersection of Romano Ave and South St, Across the Street from C461	Unnamed Trib to North Nashua River MA81-02	Residential	Circular/Pipe	Reinforced Concrete Pipe	30																		Went from First upstream MH (B261). First upstream MH was dry, no flow in pipes entering MH, evidence of groundwater infiltration at joints in pipe, Catchment area also had a Gas Station/Auto Shop where there was significant hose use if future inspections see wet pipes
C381	Not Screened	Located	Complete	MS4	June 9, 2020	Partly Cloudy	66	24	Trace	Across from 490 Westminister St	North Nashua River MA81-01	Commercial	Box Culvert	Stone	24 x 36																		Structure may be an overflow structure for nearby pond
C105	Not Screened	Not Located																															Ask for record drawings; 1 mapped catchment area and 1 SW structure on site (manhole); no inlet structures
C106	Not Screened	Not Located																															Ask for record drawings; 1 mapped catchment area and 1 SW structure on site (manhole); no inlet structures
C213	Not Screened																																
C216	Priority Low	Located	Complete	Private	June 9, 2020	Cloudy	66	24	Trace	Corner of John Fitch and Will Thompson Way	Unnamed Trib to Falulah Brook MA81-63	Residential	Circular/Pipe	PVC	6	None-Dry																	Homeowners confirmed they installed floor drain in basement for flood control (discharges into system)
C301	Not Screened	Not Found - CNA	Incomplete							Under River st Bridge at Intersection with Main St (by KC's Pub) North Side	North Nashua River MA81-02			Stone	24 x 36																	river is entirely fenced off/steep grade
C302	Not Screened	Not Found - CNA	Incomplete							Under River st Bridge at Intersection with Main St (by KC's Pub) North Side	North Nashua River MA81-02		Circular/Pipe	DI	18																	river is entirely fenced off/steep grade
C304	Not Screened									Upstream of C303 North Side of River	North Nashua River MA81-02		Circular/Pipe	VC	12																	
C3127	Priority Low	Located	Incomplete	MS4	June 16, 2020	Sunny	77	96	0.26	Quarry Lane Detention Pond 2 (Farthest from the Street)	Sand Brook	Residential	Circular/Pipe	HDPE	24	None-Wet																	Wet pipe all the way in (inlet); no stormwater structure on street; review record plans
C3128	Not Screened	Located	Incomplete	MS4	June 16, 2020	Sunny	77	96	0.26	In the yard of 96 Wall St	Sand Brook	Residential	Circular/Pipe	CMP	12	None-Wet																	24" HDPE – wet pipe all the way in (inlet); no stormwater structure on street; Flagged for review of record plans
C332	Not Screened	Not Found (CNA/CNL)	Not Screened		June 11, 2020	Cloudy	66	96	0.1	Underneath Oak Hill Rd Bridge North Side	North Nashua River MA81-02	Commercial	Circular/Pipe	VC	8																		No access point via river; review record plans for upstream structure
C341	Not Screened	Not Found	Not Screened		June 11, 2020	Cloudy	66	96	0.1	Straight down towards river from hole in the wall	North Nashua River MA81-02			Stone	24 x 24																		Upstream catch basin had some water in it; unsure where it came from (no pipe in it)
C342	Not Screened									Upstream of brook that enters Nashua next to Railroad bridge at Southern intersection of Wallace and River	North Nashua River MA81-02		Circular/Pipe	RCP	12																		
C349	Not Screened									Below SW corner of Munksjo building in wall next to river	North Nashua River MA81-01		Circular/Pipe	Stone	36 x 36																		Not found. Possibly doesn't exist, possibly not connected to city drainage (physical address?)
C353	Not Screened	Not Found - CNA/CNL	Not Screened		June 11, 2020	Cloudy	66	96	0.1	Across from 753 River St	North Nashua River MA81-01		Circular/Pipe	DI	12																		Map upstream structures
C358	Not Screened									In woods at the end of Authority Dr	Wymans Brook		Circular/Pipe	RCP	36																		Possibly not connected to city drainage system
C365	Not Screened																																
C367	Not Screened																																
C378	Not Screened																																
C385	Not Screened	Located	Incomplete	MS4	June 17, 2020	Partly Cloudy	68	120	0.26	Intersection of Westminister St and Industrial Rd	Snows Millpond	Commercial	Circular/Pipe	DI	12	None-Wet																	All 3 outfalls submerged (12" VC pipes); 2 inlets (one with concrete headwall on other side of street - could be culverts); check manholes (need a detail; dangerous intersection)
C386	Not Screened	Located	Incomplete	MS4	June 17, 2020	Partly Cloudy	68	120	0.26	Intersection of Westminister St and Industrial Rd	Snows Millpond	Commercial	Circular/Pipe	DI	12	None-Wet																	All 3 outfalls submerged (12" VC pipes); 2 inlets (one with concrete headwall on other side of street - could be culverts); check manholes (need a detail; dangerous intersection)
C387	Not Screened	Located	Incomplete	MS4	June 17, 2020	Partly Cloudy	68	120	0.26	Intersection of Westminister St and Industrial Rd	Snows Millpond	Commercial	Circular/Pipe	DI	12	None-Wet																	All 3 outfalls submerged (12" VC pipes); 2 inlets (one with concrete headwall on other side of street - could be culverts); check manholes (need a detail; dangerous intersection)
C395	Not Screened	Not Found	Not Screened		June 17, 2020	Partly Cloudy	68	120	0.26	North Side of North Detention Pond at intersection of Victoria Lane and Rogers Rd	BMP/Sawmill Pond		Circular/Pipe		12																	No stormwater structure on Rogers Rd/Westminster Hill Rd
C399	Not Screened	Not Found - CNA	Incomplete		June 11, 2020	Cloudy	66	96	0.1	Behind 18 Chesnut St	North Nashua River MA81-02	Residential		Stone																			Private property (CNA); possible culvert as there are no stormwater structures on street
C418	Priority Low	Located	Complete	Private	June 17, 2020	Sunny	79	120	0.26	In brook behind 528 John Fitch Highway (Peerless Liquors)	Falulah Brook	Commercial	Circular/Pipe	PVC	4	Intermittent																	Asked employee and confirmed there are floor drains in basement (flow was intermittent as if turning a faucet on and off); no stormwater structures in Peerless Liquors parking lot
C419	Not Screened	Not Found	Not Screened		June 17, 2020	Sunny	79	120	0.26	In brook behind 560 John Fitch Highway (Mad Vapes/Fitchburg Tatoo)	Falulah Brook		Circular/Pipe	PVC	10																	No catchment in area
C431	Not Screened																																
C434	Not Screened	Not Found - CNA	Not Screened		June 11, 2020	Cloudy	66	96	0.1	On Nashua River bank behind 135 Intervale Rd	North Nashua River MA81-02		Circular/Pipe	RCP	48																		CNA on both sides due to fencing; Industrial users within area
C435	Not Screened	Not Found	Not Screened		June 9, 2020	Partly Cloudy	66	24	Trace	Behind 88 Benson St	Unnamed Trib to North Nashua River MA81-02		Circular/Pipe	CMP	48																		
C436	Not Screened	Not Found	Not Screened		June 9, 2020	Partly Cloudy	66	24	Trace	Behind 88 Benson St	Unnamed Trib to North Nashua River MA81-02		Circular/Pipe	HDPE	12																		
C439	Not Screened	Located Not Accessible	Incomplete		June 16, 2020	Sunny	77	96	0.26	Behind 480 Water St, downstream of railroad bridge	North Nashua River MA81-02	Commercial	Circular/Pipe	RCP	60																		Evidence of flow; request records for upstream structrues; possible CSO (CSO #076); no stormwater structures in Fitchburg Flea Market parking lot
C443	Not Screened	Not Found - CNA	Incomplete		June 11, 2020	Cloudy	66	96	0.1	In Nashua River Upstream of C444, Downstream of Rail Road Bridge	North Nashua River MA81-02		Circular/Pipe	RCP	72																		Possible upstream structure was dry; "dig safe" on pavement in area - work being done?
C444	Not Screened	Not Found - CNA	Incomplete		June 11, 2020	Cloudy	66	96	0.1																								Possible upstream structure was dry; "dig safe" on pavement in area - work being done?
C449	Not Screened									NW side of Water Street Bridge Behind tall grass	North Nashua River MA81-02		Circular/Pipe	RCP	6																		

City of Fitchburg, Massachusetts
NPDES MS4 Compliance - Annual Report
Illicit Discharge Detection and Elimination (IDDE) Program
Dry Weather Outfall Screening
Updated: September 30th, 2019

Sorting Number	Outfall ID	Outfall Ranking	Outfall Located	Screening Status	Outfall Type	Inspection Date	Weather	Temperature (°F)	Last Rain Event (Hours)	Rain Accumulation (in)	Closest Address / Location	Receiving Water	Contributing Land Use	Outfall Shape	Outfall Material	Outfall Dimensions (in)	Flow	Color	Odor	Floatables	Deposits/Stains	Clarity	Standing Water	Location of Standing Water	Sample Location	pH	Sample Temperature (°F)	Salinity (ppt)	Spec. Cond (mS/cm)	Ammonia (ppm)	Surfactants (ppm)	Total Chlorine (ppm)	Lab Results - E.Coli (Col/100mL)	Inspection Comments
	C453	Not Screened	Not Found - CNA	Not Screened		June 16, 2020	Sunny	77	96	0.26	Riverfront Park off Boulder Dr, Downstream of Bridge West Bank	North Nashua River MA81-02	Commercial	Circular/Pipe	DI	18																		CNA due to steep grade; could be private as there is nothing mapped to it
	C456	Not Screened	CNA	Incomplete		June 16, 2020	Sunny	77	96	0.26	Riverfront Park off Boulder Dr, Downstream of Bridge Adjacent to C457	North Nashua River MA81-02		Circular/Pipe	HDPE	18																		Overflow pipe for CSO #007; C459 is sealed shut by concrete/paving and C460 is flowing (check upstream, still a drain)
	C458	Not Screened									Riverfront Park off Boulder Dr, within bridge abutment on upstream West side	North Nashua River MA81-02		Circular/Pipe	VC	6																		
	C459	Not Screened									Riverfront Park off Boulder Dr. Couple hundred ft East of steel / wood bridge	North Nashua River MA81-02		Circular/Pipe	RCP	48																		
	C474	Not Screened									Along river at DPW Parkinglot (End of Broad Street) Across and downstream from C477 (Covered in Bamboo)	North Nashua River MA81-02		Circular/Pipe	RCP	12																		
	C480	Not Screened	Located	Incomplete	MS4	June 16, 2020	Sunny	77	96	0.26	Across from 375 Princton Rd	Flag Brook	Commercial	Circular/Pipe	RCP	36	Dry																	Upstream drain manhole – flowing; 36" CMP; OF observed from across river: dry; No upstream map and no access upstream (fenced off)
	C516	Not Screened	Located	Incomplete	MS4	June 16, 2020	Sunny	77	96	0.26	Between 180 and 160 Authority Dr	Wymans Brook	Commercial	Circular/Pipe	RCP	30	None-Wet	Orange					Yes	Inside and Outside Outfall										C516: 1st upstream manhole – wet/standing water; 2nd upstream manhole – standing water/ leaves inside C517: 1st upstream manhole – standing water; 2nd upstream manhole – CNA; 3rd upstream manhole – wet/standing water
	C519	Not Screened	Located	Incomplete		June 16, 2020	Sunny	77	96	0.26	in woods at the end of Authority Dr	Wymans Brook		Circular/Pipe	RCP	18																		Most likely a culvert; runs to retention pond; no stormwater structures on street
	C522	Not Screened	Located	Incomplete		June 16, 2020	Sunny	77	96	0.26	in woods at the end of Authority Dr	Wymans Brook																						Most likely a culvert; submerged, no stormwater structure on street also
	C535	Not Screened		Incomplete		June 17, 2020	Partly Cloudy	68	120	0.26	Detention pond behind 112 Goodfellow Dr	Unnamed Trib to Monoosnoc Brook	Residential	Circular/Pipe	HDPE	15																		Upstream manhole investigated; standing water; pitch issue if not draining properly/high water table
	C539	Priority Low	Located	Incomplete	MS4	June 17, 2020	Partly Cloudy	68	120	0.26	Detention pond behind 112 Goodfellow Dr	Unnamed Trib to Monoosnoc Brook	Residential	Circular/Pipe	HDPE	18	None-Wet																	Possible inlet; overflow structure inlet (18"HDPE outfall); wet, no flow, trumpetted
	C425	Excluded	Located	Not Screened	Culvert	July 8, 2019	Sunny	75	48	1.37	In brook behind 334 John Fitch Highway (McDonalds)	Baker Brook	Open Space	Circular/Pipe	Other	24	Running	Colorless	None	None	None	Clear	No											Possibly a Culvert, No drainage or storm system found within area.
	N/A-002	Excluded	Located	Not Screened	Culvert	July 10, 2019	Sunny	73	96	1.37	Kyle Rd		Residential	Circular/Pipe	Reinforced Concrete Pipe	18	Trickle						No											Outlet of Stony Brook Culvert, Inlet side has cutout for flow from street to enter culvert, but no other stormwater conveyance enters culvert