Notice of Intent (NOI) for coverage under Small MS4 General Permit

Part I: General Conditions

General Information

Name of Municipality or Organization: City of Fitchburg State: MA

EPA NPDES Permit Number (if applicable): 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

Fax Number:

Other Information

Stormwater Management Program (SWMP) Location (web address or physical location, if already completed): www.fitchburgma.gov

Eligibility Determination

Endangered Species Act (ESA) Determination Complete? Yes Eligibility Criteria (check all that apply): ☐ A ☐ B ☒ C

National Historic Preservation Act (NHPA) Determination Complete? Yes Eligibility Criteria (check all that apply): ☒ A ☐ B ☐ C

☑ Check the box if your municipality or organization was covered under the 2003 MS4 General Permit

MS4 Infrastructure (if covered under the 2003 permit)

Estimated Percent of Outfall Map Complete? *(Part II, III, IV or V, Subpart B.3.(a.) of 2003 permit)* 100%

If 100% of 2003 requirements not met, enter an estimated date of completion (MM/DD/YY):

Web address where MS4 map is published:

If outfall map is unavailable on the internet an electronic or paper copy of the outfall map must be included with NOI submission (see section V for submission options)

http://www.ci.fitchburg.ma.us/DocumentCenter/View/3801/Fitchburg-Stormwater-System-Map---DH---2002

Regulatory Authorities (if covered under the 2003 permit)

Illicit Discharge Detection and Elimination (IDDE) Authority Adopted? *(Part II, III, IV or V, Subpart B.3.(b.) of 2003 permit)* No

Effective Date or Estimated Date of Adoption (MM/DD/YY): 06/30/19

Construction/Erosion and Sediment Control (ESC) Authority Adopted? *(Part II,III,IV or V, Subpart B.4.(a.) of 2003 permit)* Yes

Effective Date or Estimated Date of Adoption (MM/DD/YY): 06/01/99

Post- Construction Stormwater Management Adopted? *(Part II, III, IV or V, Subpart B.5.(a.) of 2003 permit)* Yes

Effective Date or Estimated Date of Adoption (MM/DD/YY): 06/01/99

Notice of Intent (NOI) for coverage under Small MS4 General Permit

Part II: Summary of Receiving Waters

Please list the waterbody segments to which your MS4 discharges. For each waterbody segment, please report the number of outfalls discharging into it and, if applicable, any impairments.

Massachusetts list of impaired waters: *Massachusetts 2014 List of Impaired Waters-* http://www.mass.gov/eea/docs/dep/water/resources/07v5/14list2.pdf

Check off relevant pollutants for discharges to impaired waterbodies (see above 303(d) lists) without an approved TMDL in accordance with part 2.2.2.a of the permit. List any other pollutants in the last column, if applicable.

Waterbody segment that receives flow from the MS4	Number of outfalls into receiving water segment	Chloride	Chlorophyll-a	Dissolved Oxygen/ DO Saturation	Nitrogen	Oil & Grease/ PAH	Phosphorus	Solids/ TSS/ Turbidity	E. coli	Enterococcus	Other pollutant(s) causing impairments
Baker Brook (MA81-62)	13	☐	☐	☐	☐	☐	☐	☐	☐	☐	Cat. 3
Falulah Brook (MA81-63)	46	☐	☐	☐	☐	☐	☐	☐	☐	☐	Cat. 3
Flag Brook (MA81-10)	5	☐	☐	☐	☐	☐	☐	☐	☐	☐	Cat. 2
Greenes Pond	1	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Monoosnuc Brook (MA81-13)	6	☐	☐	☐	☐	☐	☐	☐	☒	☐	Escherichia coli
North Nashua River (MA81-01)	24	☐	☐	☐	☐	☐	☐	☐	☒	☐	Escherichia coli
North Nashua River (MA81-02)	90	☐	☐	☐	☐	☐	☐	☐	☒	☐	Ambient Bioassays -- Chronic Aquatic Toxicity, Aquatic Macroinvertebrate Bioassessments, Escherichia coli
Phillips Brook (MA81-12)	11	☐	☐	☐	☐	☐	☐	☐	☐	☐	Cat. 2
Sand Brook	20	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Sawmill Pond (MA81118)	4	☐	☐	☐	☐	☐	☐	☐	☐	☐	Cat. 4C
Shea Brook	4	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Sheldon Brook	1	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Snows Millpond (MA81127)	3	☐	☐	☐	☐	☐	☐	☐	☐	☐	Cat. 3
Unnamed Trib. to Falulah Brook (MA81-62) South of Fisher Rd. Crossing JFH	4	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Unnamed Trib. to Falulah Brook (MA81-63) Crossing Whittemore St.	1	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Unnamed Trib. to Falulah Brook (MA81-63) East of Rindge Rd.	6	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Unnamed Trib. to Goodfellow Pond crossing Rt. 2 at Mount Elam Rd.	4	☐	☐	☐	☐	☐	☐	☐	☐	☐	

Unnamed Trib. to Greenes Pond along Ashby State Rd.	4	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Waterbody segment that receives flow from the MS4	**Number of outfalls into receiving water segment**	**Chloride**	**Chlorophyll-a**	**Dissolved Oxygen/ DO Saturation**	**Nitrogen**	**Oil & Grease/ PAH**	**Phosphorus**	**Solids/ TSS/ Turbidity**	**E. coli**	**Enterococcus**	**Other pollutant(s) causing impairments**
Unnamed Trib. to North Nashua River crossing Airport Rd	2	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Unnamed Trib. to North Nashua River crossing Patton St	4	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Unnamed Trib. to North Nashua River crossing West St	7	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Unnamed Trib. to Saima Pond	2	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Unnamed Trib. to Townsend Road Pond	5	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Wetland area west of intersection of Mount Elam and Damon Rd.	4	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Wymans Brook	6	☐	☐	☐	☐	☐	☐	☐	☐	☐	
		☐	☐	☐	☐	☐	☐	☐	☐	☐	
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Click to lengthen table

Notice of Intent (NOI) for coverage under Small MS4 General Permit

Part III: Stormwater Management Program Summary

Identify the Best Management Practices (BMPs) that will be employed to address each of the six Minimum Control Measures (MCMs). For municipalities/organizations whose MS4 discharges into a receiving water with an approved Total Maximum Daily Load (TMDL) and an applicable waste load allocation (WLA), identify any additional BMPs employed to specifically support the achievement of the WLA in the TMDL section at the end of part III.

For each MCM, list each existing or proposed BMP by category and provide a brief description, responsible parties/departments, measurable goals, and the year the BMP will be employed (public education and outreach BMPs also requires a target audience). **Use the drop-down menus in each table or enter your own text to override the drop down menu.**

MCM 1: Public Education and Outreach

BMP Media/Category (enter your own text to override the drop down menu)	**BMP Description**	**Targeted Audience**	**Responsible Department/Parties** (enter your own text to override the drop down menu)	**Measurable Goal**	**Beginning Year of BMP Imple-mentation**
Web Page	Incorporate Think Blue MA Educational Campaign tools into City's website and social media.	Residents	DPW Engineering	Survey Monkey/ Doodle Poll to measure effectiveness of messaging.	2018
Brochures/Pamphlets	Print brochures for distribution to local businesses, institutions, and commercial facilities.	Businesses, Institutions and Commercial Facilities	DPW Engineering	"	2019
Brochures/Pamphlets	Fact sheet for developers to be posted on City's website, distributed via email, and available in hard copy at City offices.	Developers (construction)	Conservation/DPW Engineering/Planning	"	2020
Brochures/Pamphlets	Fact sheet for industrial facilities to be posted on City's website, distributed via email, and available in hard copy at City offices.	Industrial Facilities	DPW Engineering	"	2021
Displays/Posters/Kiosks	Display/kiosk to be set up at City Hall.	Residents	DPW Engineering	"	2020

Local Public Service Announcements	Cable Access TV or Local Radio spot.	Businesses, Institutions and Commercial Facilities	DPW Engineering	"	2021
Brochures/Pamphlets	Fact sheet for developers to be posted on City's website, distributed via email, and available in hard copy at City offices.	Developers (construction)	Conservation/DPW Engineering/Planning	"	2022
Brochures/Pamphlets	Fact sheet for industrial facilities to be posted on City's website, distributed via email, and available in hard copy at City offices.	Industrial Facilities	DPW Engineering	"	2023
Social Media	Social media posts in the spring, summer, and fall annually per requirements of Appendix H Parts II and III.	Residents/Businesses, Institutions and Comme	DPW Engineering	"	2018

Notice of Intent (NOI) for coverage under Small MS4 General Permit

Part III: Stormwater Management Program Summary (continued)

MCM 2: Public Involvement and Participation

BMP Categorization	Brief BMP Description (enter your own text to override the drop down menu)	Responsible Department/Parties (enter your own text to override the drop down menu)	Additional Description/ Measurable Goal	Beginning Year of BMP Imple-mentation
Public Review	SWMP Review	DPW Engineering/Stormwater Committee	Allow annual review of stormwater management plan and posting of stormwater management plan on website	2019
Public Participation	Public Meeting - Stormwater	City Council/DPW Engineering/Stormwater Committee	Allow public to comment on stormwater management plan annually	2018
Public Participation	Partnership - Advocacy Groups	DPW Engineering/MOC/NRWA	Work with advocacy groups to engage public on stormwater issues	2018

Notice of Intent (NOI) for coverage under Small MS4 General Permit

Part III: Stormwater Management Program Summary (continued)

MCM 3: Illicit Discharge Detection and Elimination (IDDE)

BMP Categorization (enter your own text to override the drop down menu)	**BMP Description**	**Responsible Department/Parties** (enter your own text to override the drop down menu)	**Measurable Goal** (all text can be overwritten)	**Beginning Year of BMP Imple-mentation**
SSO inventory	Develop SSO inventory in accordance of permit conditions	DPW Engineering	Complete within 1 year of effective date of permit	2018
Storm sewer system map	Create map and update during IDDE program completion	DPW Engineering	Update map within 2 years of effective date of permit and complete full system map 10 years after effective date of permit	2018
Written IDDE program	Create written IDDE program	DPW Engineering	Complete within 1 year of the effective date of permit and update as required	2018
Implement IDDE program	Implement catchment investigations according to program and permit conditions	DPW Engineering/DPW Operations	Complete 10 years after effective date of permit	2018
Employee training	Train employees on IDDE implementation	DPW Engineering/DPW Operations	Train annually	2018
Conduct dry weather screening	Conduct in accordance with outfall screening procedure and permit conditions	DPW Engineering	Complete 3 years after effective date of permit	2019
Conduct wet weather screening	Conduct in accordance with outfall screening procedure	DPW Engineering	Complete 10 years after effective date of permit	2023
Ongoing screening	Conduct dry weather and wet weather screening (as necessary)	DPW Engineering	Complete ongoing outfall screening upon completion of IDDE program	2023
IDDE Ordinance/Bylaw	Establish IDDE Ordinance/Bylaw	Building/Conservation/DPW Engineering/Planning/City Council	In progress, complete within 1 year of the effective date of permit	2018

Notice of Intent (NOI) for coverage under Small MS4 General Permit

Part III: Stormwater Management Program Summary (continued)

MCM 4: Construction Site Stormwater Runoff Control

BMP Categorization (enter your own text to override the drop down menu or entered text)	**BMP Description**	**Responsible Department/Parties** (enter your own text to override the drop down menu)	**Measurable Goal** (all text can be overwritten)	**Beginning Year of BMP Imple-mentation**
Site inspection and enforcement of Erosion and Sediment Control (ESC) measures	Complete written procedures of site inspections and enforcement procedures	Building/Conservation/DPW Engineering/Planning	Complete within 1 year of the effective date of permit	2018
Site plan review	Complete written procedures of site plan review and begin implementation	Building/Conservation/DPW Engineering/Planning	Complete within 1 year of the effective date of permit	2018
Erosion and Sediment Control	Adoption of requirements for construction operators to implement a sediment and erosion control program	Building/Conservation/DPW Engineering/Planning	Complete within 1 year of the effective date of permit	2018
Waste Control	Adoption of requirements to control wastes, including but not limited to, discarded building materials, concrete truck wash out, chemicals, litter, and sanitary wastes	Building/Conservation/DPW Engineering/Planning	Complete within 1 year of the effective date of permit	2018

Notice of Intent (NOI) for coverage under Small MS4 General Permit

Part III: Stormwater Management Program Summary (continued)

MCM 5: Post-Construction Stormwater Management in New Development and Redevelopment

BMP Categorization (enter your own text to override the drop down menu or entered text)	**BMP Description**	**Responsible Department/Parties** (enter your own text to override the drop down menu)	**Measurable Goal** (all text can be overwritten)	**Beginning Year of BMP Imple-mentation**
As-built plans for on-site stormwater control	The procedures to require submission of as-built drawings and ensure long term operation and maintenance will be a part of the SWMP	Building/Conservation/DPW Engineering/Planning	Require submission of as-built plans for completed projects	2018
Target properties to reduce impervious areas	Identify at least 5 permittee-owned properties that could be modified or retrofitted with BMPs to reduce impervious areas and update annually	DPW Engineering/Stormwater Committee	Complete 4 years after effective date of permit and report annually on retrofitted properties	2021
Allow green infrastructure	Develop a report assessing existing local regulations to determine the feasibility of making green infrastructure practices allowable when appropriate site conditions exist	DPW Engineering/Stormwater Committee	Complete 4 years after effective date of permit and implement recommendations of report	2019
Street design and parking lot guidelines	Develop a report assessing requirements that affect the creation of impervious cover. The assessment will help determine if changes to design standards for streets and parking lots can be modified to support low impact design options.	DPW Engineering/Stormwater Committee	Complete 4 years after effective date of permit and implement recommendations of report	2019

Ensure any stormwater controls or management practices for new development and redevelopment meet the retention or treatment requirements of the permit and all applicable requirements of the Massachusetts Stormwater Handbook	Adoption, amendment, or modification of a regulatory mechanism to meet permit requirements	Building/Conservation/DPW Engineering/Planning	Complete 2 years after effective date of permit	2018

Notice of Intent (NOI) for coverage under Small MS4 General Permit

Part III: Stormwater Management Program Summary (continued)

MCM 6: Municipal Good Housekeeping and Pollution Prevention

BMP Categorization (enter your own text to override the drop down menu or entered text)	**BMP Description**	**Responsible Department/Parties** (enter your own text to override the drop down menu)	**Measurable Goal** (all text can be overwritten)	**Beginning Year of BMP Imple-mentation**
O&M procedures	Create written O&M procedures including all requirements contained in 2.3.7.a.ii for parks and open spaces, buildings and facilities, and vehicles and equipment	DPW Engineering	Complete and implement 2 years after effective date of permit	2019
Inventory all permittee-owned parks and open spaces, buildings and facilities, and vehicles and equipment	Create inventory	DPW Engineering	Complete 2 years after effective date of permit and implement annually	2019
Infrastructure O&M	Establish and implement program for repair and rehabilitation of MS4 infrastructure	DPW Engineering\DPW Operations	Complete 2 years after effective date of permit	2019
Stormwater Pollution Prevention Plan (SWPPP)	Create SWPPPs for maintenance garages, transfer stations, and other waste-handling facilities	DPW Engineering	Complete and implement 2 years after effective date of permit	2019
Catch basin cleaning	Establish schedule for catch basin cleaning such that each catch basin is no more than 50% full and clean catch basins on that schedule	DPW Engineering\DPW Operations	Clean catch basins on established schedule and report number of catch basins cleaned and volume of material moved annually	2018
Street sweeping program	Sweep all streets and permitee-owned parking lots in accordance with permit conditions	DPW Engineering\DPW Operations	Sweep all streets and permitee-owned parking lots once per year in the spring	2018
Road salt use optimization program	Establish and implement a program to minimize the use of road salt	DPW Engineering\DPW Operations	Implement salt use optimization during deicing season	2018

Inspections and maitenance of stormwater treatment structures	Establish and implement inspection and maintenance procedures and frequencies	DPW Engineering\DPW Operations	Inspect and maintain treatment structures at least annually	2018

Notice of Intent (NOI) for coverage under Small MS4 General Permit

Part III: Stormwater Management Program Summary (continued)

Actions for Meeting Total Maximum Daily Load (TMDL) Requirements

Use the drop-down menus to select the applicable TMDL, action description to meet the TMDL requirements, and the responsible department/parties. If no options are applicable, or more than one, **enter your own text to override drop-down menus.**

Applicable TMDL	**Action Description**	**Responsible Department/Parties** (enter your own text to override the drop down menu)

Notice of Intent (NOI) for coverage under Small MS4 General Permit

Part III: Stormwater Management Program Summary (continued)

Actions for Meeting Requirements Related to Water Quality Limited Waters

Use the drop-down menus to select the pollutant causing the water quality limitation and enter the waterbody ID(s) experiencing excursions above water quality standards for that pollutant. Choose the action description from the dropdown menu and indicate the responsible party. If no options are applicable, or more than one, **enter your own text to override drop-down menus.**

Pollutant	Waterbody ID(s)	Action Description	Responsible Department/Parties (enter your own text to override the drop down menu)
E. Coli	MA81-01 North Nashua River	Adhere to requirements in part III of Appendix H	DPW Engineering\DPW Operations
E. Coli	MA81-02 North Nashua River	Adhere to requirements in part III of Appendix H	DPW Engineering\DPW Operations
E. Coli	MA81-13 Monoosnuc Brook	Adhere to requirements in part III of Appendix H	DPW Engineering\DPW Operations
Phosphorus	MA81-05 Nashua River	Adhere to requirements in part II of Appendix H	DPW Engineering\DPW Operations

Part IV: Notes and additional information

Use the space below to indicate the part(s) of 2.2.1and 2.2.2 that you have identified as not applicable to your MS4 because you do not discharge to the impaired water body or a tributary to an impaired water body due to nitrogen or phosphorus. Provide all supporting documentation below or attach additional documents if necessary.
Also, provide any additional information about your MS4 program below.

Notice of Intent (NOI) for coverage under Small MS4 General Permit

Part V: 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. DiNatale

Title: Mayor

Signature: Stephen L. DiNatale Digitally signed by Stephen L. DiNatale Date: 2018.10.01 16:06:25 -04'00'

Date: 10/01/18

[To be signed according to Appendix B, Subparagraph B.11, Standard Conditions]

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

NOI Submission

Please submit the form electronically via email using the "Submit by Email" button below or send in a CD with your completed NOI. You may also print and submit via mail using the address below if you choose not to submit electronically. The outfall map required in Part I of the NOI (if applicable) can be submitted electronically as an email attachment OR as a paper copy.
Permittees that choose to submit their NOI electronically by email or by mailing a CD with the completed NOI form to EPA, will be able to download a partially filled Year 1 Annual Report at a later date from EPA.

Submit by Email — Submit by email using this button. Or, send an email with attachments to: stormwater.reports@epa.gov

Save — Save NOI for your records

EPA Submittal Address:

United States Environmental Protection Agency
5 Post Office Square - Suite 100
Mail Code - OEP06-1
Boston, Massachusetts 02109-3912
ATTN: Newton Tedder

State Submittal Address:

Massachusetts Department of Environmental Protection
One Winter Street - 5th Floor
Boston, MA 02108
ATTN: Fred Civian