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September 28, 2018

United States Environmental Protection Agency
Stormwater and Construction Permits Section OEP 06-1
5 Post Office Square - Suite 100
Boston, Massachusetts 02109-3912
Attn: Glenda Velez

RE: Massachusetts Small MS4 General Permit
Notice of Intent Submittal
Town of Medfield, Massachusetts
EPA Permit Number MAR041131

Dear Ms. Velez,

On behalf of the Town of Medfield, Massachusetts, Design Consultants Inc. is pleased to provide the United States Environmental Protection Agency (USEPA) with the attached Massachusetts Small MS4 General Permit Notice of Intent. We are also providing the USEPA with the attached outfall location map by receiving water bodies. We will be providing a copy of the attached NOI and Outfall Location Map to the Massachusetts Department of Environmental Protection.

If you have any questions or concerns, please do not hesitate to contact me at 617-750-8135 or email at pcostello@dci-ma.com.

Thank you,

A handwritten signature in blue ink that reads "Paul Costello". The signature is written in a cursive, flowing style.

Paul G. Costello, P.E.
Project Manager

Cc: Frederick Civian, Stormwater Coordinator
Massachusetts Department of Environmental Protection
One Winter Street - 5th Floor
Boston, Massachusetts 02108

Maurice Goulet, Town of Medfield Department of Public Works

Part I: General Conditions

General Information

Name of Municipality or Organization: State:

EPA NPDES Permit Number (if applicable):

Primary MS4 Program Manager Contact Information

Name: Title:

Street Address Line 1:

Street Address Line 2:

City: State: Zip Code:

Email: Phone Number:

Fax Number:

Other Information

Stormwater Management Program (SWMP) Location

Eligibility Determination

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

National Historic Preservation Act (NHPA) Determination Complete? 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? 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)

Regulatory Authorities (if covered under the 2003 permit)

Illicit Discharge Detection and Elimination (IDDE) Authority Adopted? <i>(Part II, III, IV or V, Subpart B.3.(b.) of 2003 permit)</i>	Yes	Effective Date or Estimated Date of Adoption (MM/DD/YY): 04/24/17
Construction/Erosion and Sediment Control (ESC) Authority Adopted? <i>(Part II, III, IV or V, Subpart B.4.(a.) of 2003 permit)</i>	Yes	Effective Date or Estimated Date of Adoption (MM/DD/YY): 04/24/17
Post- Construction Stormwater Management Adopted? <i>(Part II, III, IV or V, Subpart B.5.(a.) of 2003 permit)</i>	Yes	Effective Date or Estimated Date of Adoption (MM/DD/YY): 04/24/17

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](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
MA72-05 (Charles, Charles River)	207	☐	☐	☒	☐	☐	☒	☒	☐	☐	Chlorodane, DDT, Mercury in Fish Tissue, Nutrient/Eutrophication
MA72-10 (Charles, Stop River)	86	☐	☐	☐	☐	☐	☒	☐	☒	☐	Organic Enrichment (Sewage) Biological Indicators
MA73-08 (Boston Harbor: Neponset, Mill Brook)	99	☐	☐	☒	☐	☐	☐	☐	☐	☐	
MA73-09 (Boston Harbor: Neponset, Mine Brook)	29	☐	☐	☒	☐	☐	☐	☐	☐	☐	Fecal Coliform
MA73019 (Boston Harbor: Neponset, Flynns Pond)	3	☐	☐	☐	☐	☐	☐	☐	☐	☐	
MA73026 (Boston Harbor: Neponset, Jewells Pond)	2	☐	☐	☐	☐	☐	☐	☐	☐	☐	
		☐	☐	☐	☐	☐	☐	☐	☐	☐	
TOTAL	426	☐	☐	☐	☐	☐	☐	☐	☐	☐	
(Note: 1. See the outfall location map that is on-line; and		☐	☐	☐	☐	☐	☐	☐	☐	☐	
2. The outfalls include upland locations.)		☐	☐	☐	☐	☐	☐	☐	☐	☐	
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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 Implementation
Outreach Message	Mailing, website, event, school program, press coverage and/or other means	Residents	Medfield Department of Public Works working with the NSP.	Raise awareness and modify behaviors to reduce pollutant loading	FY'22
Outreach Message	Mailing, website, event, school program, press coverage and/or other means	Businesses, Institutions and Commercial Facilities	Medfield Department of Public Works working with the NSP.	Raise awareness and modify behaviors to reduce pollutant loading	FY'22
Outreach Message	Mailing, website, event, school program, press coverage and/or other means	Developers (construction)	Medfield Department of Public Works working with the NSP.	Raise awareness and modify behaviors to reduce pollutant loading	FY'22
Outreach Message	Mailing, website, event, school program, press coverage and/or other means	Industrial Facilities	Medfield Department of Public Works working with the NSP.	Raise awareness and modify behaviors to reduce pollutant loading	FY'22
Outreach Message	Mailing, website, event, school program, press coverage and/or other means	Residents	Neponset Stormwater Partnership (NSP)	Raise awareness and modify behaviors to reduce pollutant loading	FY'23

[illegible]

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

Part III: Stormwater Management Program Summary (continued)

MCM 2: Public Involvement and Participation

[illegible]

[illegible]

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 Implementation
SSO inventory	Develop SSO inventory in accordance of permit conditions	Medfield Department of Public Works.	Complete within 1 year of effective date of permit	FY'19
Storm sewer system map	Create map and update during IDDE program completion	Medfield Department of Public Works.	Update map within 2 years of effective date of permit and complete full system map 10 years after effective date of permit	FY'20
Written IDDE program	Create written IDDE program	Medfield Department of Public Works working with the NSP.	Complete within 1 year of the effective date of permit and update as required	FY'19
Implement IDDE program	Implement catchment investigations according to program and permit conditions	Medfield Department of Public Works working with the NSP.	Complete 7 to 10 years after effective date of permit. Begin problem catchments within 2 years.	FY'20
Employee training	Train employees on IDDE implementation	Medfield Department of Public Works working with the NSP.	Train annually	FY'19
Conduct dry weather screening	Conduct in accordance with outfall screening procedure and permit conditions	Medfield Department of Public Works working with the NSP.	Complete 3 years after effective date of permit	FY'21
Conduct wet weather screening	Conduct in accordance with outfall screening procedure	Medfield Department of Public Works working with the NSP.	Complete 7 to 10 years after effective date of permit	FY'22
Ongoing screening	Conduct dry weather and wet weather screening (as necessary)	Medfield Department of Public Works working with the NSP.	Complete ongoing outfall screening every five years upon completion of IDDE program	FY'30

[illegible]

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 Implementation
Site inspection and enforcement of Erosion and Sediment Control (ESC) measures	Complete written procedures of site inspections and enforcement procedures	Medfield Department of Public Works and Conservation Commission.	Complete within 1 year of the effective date of permit	FY'19
Site plan review	Complete written procedures of site plan review and begin implementation	Medfield Department of Public Works, Planning Board and ZBA.	Complete within 1 year of the effective date of permit	FY'19
Erosion and Sediment Control	Adoption of requirements for construction operators to implement a sediment and erosion control program	Medfield Department of Public Works and Conservation Commission.	Complete within 1 year of the effective date of permit	FY'19
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	Medfield Department of Public Works.	Complete within 1 year of the effective date of permit	FY'19

[illegible]

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 Implementation
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	Medfield Department of Public Works, and Planning Board.	Require submission of as-built plans for completed projects	FY'20
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	Medfield Department of Public Works, Planning & Conservation Commission.	Complete 4 years after effective date of permit and report annually on retrofitted properties	FY'22
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	Medfield Department of Public Works, Planning & Conservation Commission.	Complete 4 years after effective date of permit and implement recommendations of report	FY'22
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.	Medfield Department of Public Works, Planning Board and ZBA.	Complete 4 years after effective date of permit and implement recommendations of report	FY'22

[illegible]

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 Implementation
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	Medfield Department of Public Works working with the NSP.	Complete and implement 2 years after effective date of permit	FY'20
Inventory all permittee-owned parks and open spaces, buildings and facilities, and vehicles and equipment	Create inventory	Medfield Department of Public Works working with the NSP.	Complete 2 years after effective date of permit and implement annually	FY'20
Infrastructure O&M	Establish and implement program for repair and rehabilitation of MS4 infrastructure	Medfield Department of Public Works working with the NSP.	Complete 2 years after effective date of permit	FY'20
Stormwater Pollution Prevention Plan (SWPPP)	Create SWPPPs for maintenance garages, transfer stations, and other waste-handling facilities	Medfield Department of Public Works working with the NSP.	Complete and implement 2 years after effective date of permit	FY'20
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	Medfield Department of Public Works.	Clean catch basins on established schedule and report number of catch basins cleaned and volume of material moved annually	FY'19
Street sweeping program	Sweep all streets and permittee-owned parking lots in accordance with permit conditions	Medfield Department of Public Works.	Sweep all streets and permittee-owned parking lots once per year in the spring	FY'19
Road salt use optimization program	Establish and implement a program to minimize the use of road salt	Medfield Department of Public Works.	Implement salt use optimization during deicing season	FY'19

[illegible]

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.**

[illegible]

Part III: Stormwater Management Program Summary (continued)

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.**

[illegible]

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Part IV: Notes and additional information

Use the space below to indicate the part(s) of 2.2.1 and 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.

- 1) Where a "beginning year" is requested, we have listed the applicable fiscal year. Fiscal years run from July 1 to June 30 and correspond to permit years (i.e. permit year 1 is FY'19)
- 2) Part II Summary of Receiving Waters: A number of waterways into which we discharge do not have a defined MassDEP waterbody segment as indicated in the MassGIS datalayer. In these cases, outfalls have been attributed to the first segment downstream.
- 3) BMPs identified in the 2003 General Permit NOI have been modified or replaced over the permit term due to staff changes and Stormwater Program modifications. The intent of the 2003 BMPs are being met under the proposed 2018 General Permit BMPs that will be included in the updated Stormwater Management Plan. The plan will describe how the BMPs under the 2003 permit fit into the new program, particularly where BMPs and/or measurable goals that are outdated or no longer appropriate have been replaced or updated.
- 4) The National Endangered Species Eligibility Determination screening process has been completed and the Town of Medfield meets Criterion C. The Town's stormwater discharges and discharge related activities will have no affect on listed species or critical habitat. The Town will continue to consult with U.S. Fish and Wildlife as needed during the permit term.
- 5) The National Historic Preservation Act Eligibility Determination screening process has been completed and the Town of Medfield meets Criterion A. The Town's stormwater discharges and discharge related activities will have no affect on historic properties. The Town will continue to consult with the Massachusetts Historic Preservation Officer as needed during the permit term.
- 6) Detailed explanations of the above notes will be included in Medfield's updated Stormwater Management Plan.

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:

MICHAEL SULLIVAN

Title:

MEDFIELD TOWN ADMINISTRATOR

Signature:

Michael Sullivan

Date:

9-18-18

[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 using this button. Or, send an email with attachments to: stormwater.reports@epa.gov

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

DOVER

Legend

Outfalls

Receiving Water

- Other
- Charles River
- Chickering Lake
- Flynns Pond
- Great Brook
- Holts Pond
- Jewells Pond
- Mill Brook
- Mine Brook
- Nantasket Brook
- North Brook
- Parkers Pond
- Saw Mill Brook
- Stop River
- Turtle Brook
- Vine Brook
- Winter Brook

WALPOLE

NORFOLK

2 Miles

Content may not reflect National Geographic's current map policy. Sources: National Geographic, Esri, Garmin, HERE, UNEP-WCMC, USGS, NASA, ESA, METI, NRCAN, GEBCO, NOAA, increment P Corp.

From: [Maurice Goulet](#)
To: [Vuto, Michelle](#)
Cc: [Paul Costello](#)
Subject: Re: Small MS4 NOI submission - additional or corrected information required
Date: Friday, April 12, 2019 6:27:06 AM

Michelle,

For our waterbodies in the Neponset River Watershed, the Town of Medfield will follow the requirements in Part II of Appendix H for phosphorus. In addition, for any impaired waterbody that has a Total Maximum Daily Load (TMDL), the applicable part in Appendix F will be followed instead of the Appendix H requirements. The Town of Medfield Stormwater Management Plan and Illicit Discharge Detection and Elimination (IDDE) Plan shall reflect these requirements.

Please contact me if you have any questions or concerns.

Thank you.

On Tue, Apr 2, 2019 at 2:50 PM Vuto, Michelle <Vuto.Michelle@epa.gov> wrote:

Hi Paul,

EPA requires additional or corrected information to receive a complete NOI submission for Medfield's MS4 and continue the review process. Please confirm that the town will follow the requirements in part II of Appendix H for phosphorus for all waterbodies in the Neponset River Watershed. Also, please note that for any impairment/waterbody with a TMDL, the applicable part in Appendix F should be followed instead of the Appendix H requirements.

You do not need to resubmit your entire NOI form. Please respond with the requested information as soon as you can. If the additional information is not received within 30 days of the date on this email EPA may initiate the process to deny your NOI, unless additional time is granted by EPA for such submission.

Please let me know if you have any questions.

Best,
Michelle

Michelle Vuto

Stormwater & Construction Permits

U.S. EPA Region 1

5 Post Office Square—OEP06-4

Boston, MA 02109-3912

617-918-1222

--

Maurice G. Goulet

Director of Public Works
Medfield, Massachusetts

Department of Public Works

55 North Meadows Road

Medfield, MA 02052

(508) 906-3003 office

(508) 359-4050 fax

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