

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

Page 1 of 21

Part I: General Conditions

General Information

Name of Municipality or Organization: Sterling State: MA

EPA NPDES Permit Number (if applicable): MA041222

Primary MS4 Program Manager Contact Information

Name: Ross Perry Title: Town Administrator

Street Address Line 1: Butterick Municipal Building, 1 Park Street, Sterling, MA 01564

Street Address Line 2:

City: Sterling State: MA Zip Code: 01564

Email: rperry@sterling-ma.gov Phone Number: (978) 422-8111

Fax Number: (978) 422-0289

Other Information

Stormwater Management Program (SWMP) Location (web address or physical location, if already completed): contact William Tuttle 978.422.6767, DPW offices, 171 Worcester Road, Sterling

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

Web address where MS4 map is published: see pdf copy of this map, attached
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? Yes Effective Date or Estimated Date of Adoption (MM/DD/YY): 10/15/07
(Part II, III, IV or V, Subpart B.3.(b.) of 2003 permit)

Construction/Erosion and Sediment Control (ESC) Authority Adopted? Yes Effective Date or Estimated Date of Adoption (MM/DD/YY): 05/11/09
(Part II, III, IV or V, Subpart B.4.(a.) of 2003 permit)

Post- Construction Stormwater Management Adopted? Yes Effective Date or Estimated Date of Adoption (MM/DD/YY): 05/11/09
(Part II, III, IV or V, Subpart B.5.(a.) of 2003 permit)

Part II: Summary of Receiving Waters

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)

[illegible]

[illegible]

[illegible]

		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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 Implementation
Brochures/Pamphlets	co-sponsor biennial household hazardous waste collection	Residents	DPW Operations	see MS4 Annual Report no. 15	2017
Displays/Posters/Kiosks	place public education information on Sterling public access TV	Businesses, Institutions and Commercial Facilities	DPW Operations	see MS4 Annual Report no. 15	2017
		Developers (construction)			
		Industrial Facilities			
Special Events/Festivals/Fairs	promote water conservation practices to homeowners	Residents	DPW Operations	see MS4 Annual Report no. 15	2017
		Businesses, Institutions and Commercial Facilities			
		Developers (construction)			
		Industrial Facilities			

[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	DPW Operations	Complete within 1 year of effective date of permit	2018
Storm sewer system map	Create map and update during IDDE program completion	DPW Operations	Update map within 2 years of effective date of permit and complete full system map 10 years after effective date of permit	2019
Written IDDE program	Create written IDDE program	DPW Operations	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 Operations	Complete 10 years after effective date of permit	2020
Employee training	Train employees on IDDE implementation	DPW Operations	Train annually	2018
Conduct dry weather screening	Conduct in accordance with outfall screening procedure and permit conditions	DPW Operations	Complete 3 years after effective date of permit	2019
Conduct wet weather screening	Conduct in accordance with outfall screening procedure	DPW Operations	Complete 10 years after effective date of permit	2019
Ongoing screening	Conduct dry weather and wet weather screening (as necessary)	DPW Operations	Complete ongoing outfall screening upon completion of IDDE program	2019

[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	Conservation Committee	Complete within 1 year of the effective date of permit	2018
Site plan review	Complete written procedures of site plan review and begin implementation	Planning/zoning Department	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	Planning/zoning Department	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 Permitting and Enforcement	Complete within 1 year of the effective date of permit	2018

[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	Conservation Committee	Require submission of as-built plans for completed projects	2019
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	Engineering	Complete 4 years after effective date of permit and report annually on retrofitted properties	2019
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	Engineering	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.	Engineering	Complete 4 years after effective date of permit and implement recommendations of report	2019

[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	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	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 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	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 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 permittee-owned parking lots in accordance with permit conditions	DPW Operations	Sweep all streets and permittee-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 Operations	Implement salt use optimization during deicing season	2018

[illegible]

Part III: Stormwater Management Program Summary (continued)

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. In addition, if you are subject to additional requirements due to a downstream nutrient impairment (see Part 2.2.2 of the permit) select the pollutant of concern and indicate applicable waterbody IDs or write "all waterbodies" if applicable. 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]

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.

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

Page 21 of 21

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:

Ross Perry

Title:

Town Administrator

Signature:


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

Date:

09/28/18

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

ADDENDA TO THE 2018 NOTICE OF INTENT (NOI) FOR STERLING, MA

EPA NPDES SMALL MS4 PERMIT MA041222

Part I: General Conditions

ESA Determination: The IPaC Resource List obtained from the U.S. Fish & Wildlife Service website screening process indicates that there is one (1) Threatened Species, the Northern Long-eared Bat (*Myotis septentrionalis*) that is potentially present within the Town. Compliance with the NPDES Small MS4 Permit will not impact the above noted endangered species.

MS4 Infrastructure

- Outfall Map: See attached PDF copy

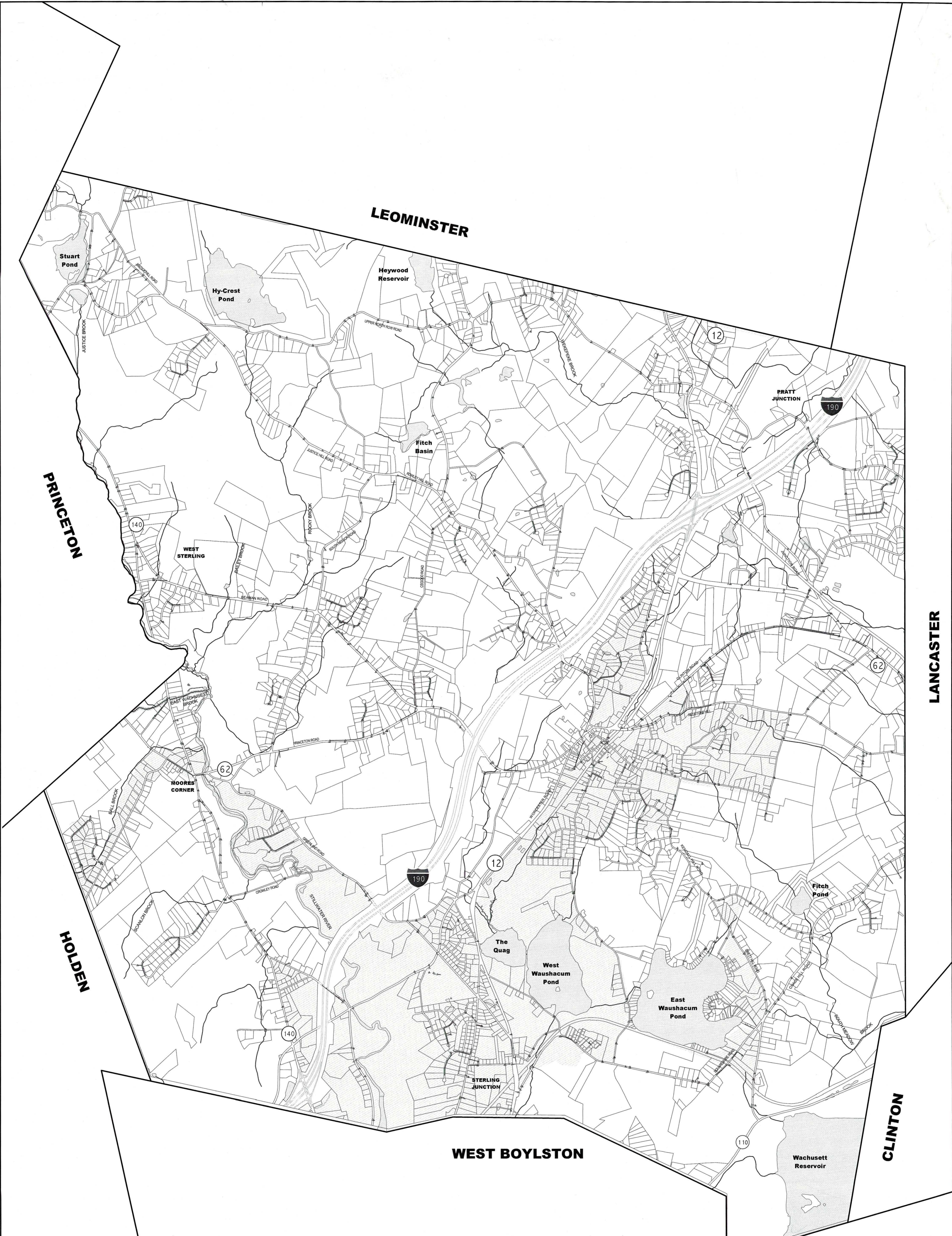
Part II: Summary of Receiving Waters

According to the Massachusetts Year 2002 Integrated List of Waters, there was only one waterbody within the Town of Sterling identified as an impaired water requiring Total Maximum Daily Load (TMDL) limits. This waterbody is East Wachusett Brook (MA81-30). However, the Massachusetts Year 2014 Integrated List of Waters no longer lists this water body as having or requiring a TMDL. Moreover, this water body does not receive any direct discharges from the regulated municipal storm drainage system and therefore has not been identified in Parts II and III of this NOI.

Actions for Meeting Total Maximum Daily Load (TMDL) Requirements

There are no TMDL requirements for the surface waters that receive stormwater discharge from the Town of Sterling drainage system outfalls.

Attachments to NOI: Outfall Location Map, July 2003



**Town of Sterling
Massachusetts**

Outfall Location Map

July 2003

Legend

- | | |
|-----------------|----------------------|
| Storm Drains | Culverts |
| Culvert Pipe | IN |
| Urbanized Area | OUT |
| Impaired Waters | Storm Drain Pipe End |
| Wetlands | IN |
| | OUT |



2000 0 2000 4000 6000 Feet





Department of Public Works

171 Worcester Road, P.O. Box 537
Sterling, Massachusetts 01564-0537
Tel: (978) 422-6767 • Fax: (978) 422-0168

WILLIAM P. TUTTLE
SUPERINTENDENT

TO: United States Environmental Protection Agency

FROM: Bill Tuttle

5 Post Office Square - Suite 100
Mail Code - OEP06-1
Boston, MA 02109-3912
Attn: Newton Tedder

Supertintendent
Town of Sterling DPW

FILE: Small MS4 NOI Information Requested

DATE: May 31, 2019

Reference: Small MS4 NOI Information Requested

The intent of this memorandum is to provide a response to EPA's request for information dated February 21, 2019.

1. Public Education MCM: Please describe 2 messages to each of 4 audiences as required by the permit or indicate that one or more audiences are not present in your municipality. Please include messages planned for this permit term and provide measurable goals specific to the public education messages and anticipated environmental outcome, including the anticipated metric you will be using to measure success.

The attached Table 1 summarizes Public Education and Outreach BMPs the Town will implement for four target audiences based on stormwater issues of significance within the MS4.

2. Certification Information: Please mail the original hardcopy signature page from the NOI to EPA at the address provided on the NOI.

The Town will mail a hardcopy of the signature page from the NOI to the EPA at the following address:

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

Attachment: Table 1: Summary of Proposed BMPs for MCM 1
Example PSAs

Table 1: Summary of Proposed BMPs for MCM 1
Public Education and Outreach

5/30/2019

BMP Media/ Category	BMP Description	Link	Targeted Audience	Responsible Department/ Parties	Measureable Goal	Beginning Year of BMP Implementation
Web Page	Update Stormwater Page (link is currently broken), including adding links to Think Blue Massachusetts	https://www.thinkbluemassachusetts.org/	Residents	DPW Operations	One time update	2019
Brochures/ Pamphlets		https://www.mass.gov/files/documents/2017/09/29/wachdogwaste.pdf	Residents	DPW Operations		
Brochures/ Pamphlets	Distribute DCR Household Stormwater Pollution Prevention Brochures	https://www.mass.gov/files/documents/2017/09/29/householdstormwater.pdf	Residents	DPW Operations	Two distributions per year, at our 4 Household Hazardous Waste events, and available at DPW and Town Hall reception	2020
Local Public Service Announcements		Attached	Residents	DPW Operations		
Brochures/ Pamphlets	Coordinate with Sterling Business Association to distribute DCR Household Stormwater Pollution Prevention Brochures	https://www.mass.gov/files/documents/2017/09/29/householdstormwater.pdf	Businesses, Institutions and Commercial Facilities	DPW Operations	One distribution per year	2019
Brochures/ Pamphlets	Distribute DCR Car Wash Fundraiser Brochures	https://www.mass.gov/files/documents/2017/09/29/car%20war.pdf	Businesses, Institutions and Commercial Facilities	DPW Operations	One distribution per year (early summer; June/July) to all schools, churches, and non-profits, and available at DPW and Town Hall reception	2020
Brochures/ Pamphlets	Distribute the Builder's Guide to LID (brochure) developed by DEP or similar	https://www.mass.gov/doc/builders-guide-to-low-impact-development-lid	Developers (construction)	DPW Operations	One distribution per year	2021
Brochures/ Pamphlets	Distribute the US EPA Stormwater Pollution Prevention for Small Residential Construction Sites brochure or similar	https://www.epa.gov/sites/production/files/2015-12/documents/cgp_small_lot_swppp_brochure-508_0.pdf	Developers (construction)	DPW Operations	One distribution per year	2022
Web Page	Add content to Stormwater Page	https://www.mass.gov/doc/industrial-stormwater-best-management-practices	Industrial Facilities	DPW Operations	MassDEP brochure for Stormwater Pollution Prevention for Industrial Sites (or similar customized content), posted on the Town's stormwater website	2023
Brochures/ Pamphlets	Distribute the MassDEP brochure for Stormwater Pollution Prevention for Industrial Sites	https://www.mass.gov/doc/industrial-stormwater-best-management-practices	Industrial Facilities	DPW Operations	One distribution mailed to all owners of industrial sites	2024