



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 1
5 POST OFFICE SQUARE, SUITE 100
BOSTON, MA 02109-3912

VIA EMAIL

May 30, 2019

Michael Sullivan
Town Administrator

And;

Melissa LaBonte
WPC Compliance Manager
2 James Street
Chicopee, MA. 01075
mlabonte@southhadleyma.gov

Re: National Pollutant Discharge Elimination System Permit ID #: MAR041020, Town of South Hadley

Dear Melissa LaBonte:

The 2016 NPDES General Permit for Stormwater Discharges from Small Municipal Separate Storm Sewer Systems in Massachusetts (MS4 General Permit) is a jointly issued EPA-MassDEP permit. Your Notice of Intent (NOI) for coverage under this MS4 General Permit has been reviewed by EPA and appears to be complete. You are hereby granted authorization by EPA and MassDEP to discharge stormwater from your MS4 in accordance with the applicable terms and conditions of the MS4 General Permit, including all relevant and applicable Appendices. This authorization to discharge expires at midnight on **June 30, 2022**.

For those permittees that certified Endangered Species Act eligibility under Criterion C in their NOI, this authorization letter also serves as EPA's concurrence with your determination that your discharges will have no effect on the listed species present in your action area, based on the information provided in your NOI.

As a reminder, your first annual report is due by **September 30, 2019** for the reporting period from May 1, 2018 through June 30, 2019.

Information about the permit and available resources can be found on our website: <https://www.epa.gov/npdes-permits/massachusetts-small-ms4-general-permit>. Should you have

any questions regarding this permit please contact Newton Tedder at tedder.newton@epa.gov or (617) 918-1038.

Sincerely,

A handwritten signature in black ink, appearing to read "Thelma Murphy". The signature is fluid and cursive, with a long horizontal flourish extending to the right.

Thelma Murphy, Chief
Stormwater and Construction Permits Section
Office of Ecosystem Protection
United States Environmental Protection Agency, Region 1

and;

A handwritten signature in black ink, appearing to read "Lealdon Langley". The signature is cursive and somewhat stylized, with a prominent loop at the end.

Lealdon Langley, Director
Wetlands and Wastewater Program
Bureau of Water Resources
Massachusetts Department of Environmental Protection

Stormwater Management Program (SWMP)

Town of South Hadley

EPA NPDES Permit Number MAR041020

Certification

Authorized Representative (Optional): All reports, including SWPPPs, inspection reports, annual reports, monitoring reports, reports on training and other information required by this permit must be signed by a person described in Appendix B, Subsection 11.A or by a duly authorized representative of that person in accordance with Appendix B, Subsection 11.B. If there is an authorized representative to sign MS4 reports, there must be a signed and dated written authorization.

The authorization letter is:

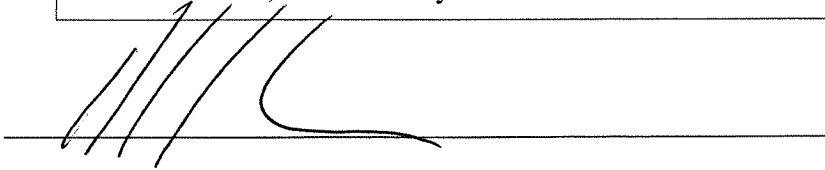
Attached to this document (document name listed below)

Melissa LaBonte, Jim Reidy

Publicly available at the website below

“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 gathered and evaluated 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, 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.”

Printed Name

Signature 

Date

[Click Here for Revisions](#)

September 28, 2018

The 2016 Massachusetts MS4 General Permit requires that all reports required by this permit be signed by the person described in Appendix A, Subsection 11.A or by a duly authorized representative of that person. I am hereby delegating signatory authority for reporting required under the MS4 Permit to the following positions: DPW Superintendent and WPC Compliance Manager.

A handwritten signature in black ink, consisting of several vertical strokes followed by a large, sweeping curve that extends to the right and then loops back down.

Michael Sullivan, South Hadley Town Administrator

Stormwater Regulation

The Stormwater Phase II Final Rule was promulgated in 1999 and was the next step after the 1987 Phase I Rule in EPA's effort to preserve, protect, and improve the Nation's water resources from polluted stormwater runoff. The Phase II program expands the Phase I program by requiring additional operators of MS4s in urbanized areas and operators of small construction sites, through the use of NPDES permits, to implement programs and practices to control polluted stormwater runoff. Phase II is intended to further reduce adverse impacts to water quality and aquatic habitat by instituting the use of controls on the unregulated sources of stormwater discharges that have the greatest likelihood of causing continued environmental degradation. Under the Phase II rule all MS4s with stormwater discharges from Census designated Urbanized Area are required to seek NPDES permit coverage for those stormwater discharges.

Permit Program Background

On May 1, 2003, EPA Region 1 issued its Final General Permit for Stormwater Discharges from Small Municipal Separate Storm Sewer Systems (2003 small MS4 permit) consistent with the Phase II rule. The 2003 small MS4 permit covered "traditional" (i.e., cities and towns) and "non-traditional" (i.e., Federal and state agencies) MS4 Operators located in the states of Massachusetts and New Hampshire. This permit expired on May 1, 2008 but remained in effect until operators were authorized under the 2016 MS4 general permit, which became effective on July 1, 2018.

Stormwater Management Program (SWMP)

The SWMP describes and details the activities and measures that will be implemented to meet the terms and conditions of the permit. The document should be updated and/or modified during the permit term as the permittee's activities are modified, changed or updated to meet permit conditions during the permit term. The main elements of the stormwater management program are:

- (1) A public education program in order to affect public behavior causing stormwater pollution,
- (2) An opportunity for the public to participate and provide comments on the stormwater program
- (3) A program to effectively find and eliminate illicit discharges within the MS4
- (4) A program to effectively control construction site stormwater discharges to the MS4
- (5) A program to ensure that stormwater from development projects entering the MS4 is adequately controlled by the construction of stormwater controls, and
- (6) A good housekeeping program to ensure that stormwater pollution sources on municipal properties and from municipal operations are minimized.

Small MS4 Authorization

The NOI was submitted on

The NOI can be found at the following (document name or web address):

Authorization to Discharge was granted on

The Authorization Letter can be found (document name or web address):

Stormwater Management Program Team

SWMP Team Coordinator

Name	Melissa LaBonte	Title	WPC Compliance Manager
Department	Water Pollution Control		
Phone Number	413-538-5040 x201	Email	mlabonte@southhadley.ma.gov
Responsibilities	Program compliance tracking, report/document preparation, member of regional SW committee, and implementation of some BMPS		

SWMP Team

Name	Jim Reidy	Title	DPW Superintendent
Department	Department of Public Works		
Phone Number	413-538-5033	Email	jreidy@southhadley.ma.gov
Responsibilities	Responsible for overall program management, and implementation of BMP's.		

Name	Vivian Price	Title	Operations Manager
Department	Department of Public Works		
Phone Number	413-538-5033	Email	vprice@southhadley.ma.gov
Responsibilities	Implementation of BMP's, mapping		

Name	John Broderick	Title	Highway Superintendent
Department	Highway Department		
Phone Number	413-538-5033	Email	jbroderick@southhadley.ma.gov
Responsibilities	Implementation of BMP's, mapping		

Receiving Waters

The following table lists all receiving waters, impairments and number of outfalls discharging to each waterbody segment.

OR

The information can be found in the following document or at the following web address:

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
Bachelor Brook MA34-07		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Nutrient/eutrophication biological indicators. Has a TMDL.
Buttery Brook MA34-42		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Connecticut River MA34-04 (Most of Town)		<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"/>	
Connecticut River MA34-05 (Falls Area)		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	PCB in fish tissue
Leaping Well Brook		<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"/>	
Judd Brook		<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"/>	
Newton-Smith Brook (intermittent)		<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"/>	
Stony Brook MA34-19		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Non-native aquatic plants. TMDL not required.
White Brook		<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"/>	
Black Stevens Pond		<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"/>	
Buttery Brook Pond		<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"/>	
Hillcrest Pond		<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"/>	

Leaping Well Reservoir MA34040	Pearl City Pond Titus Pond	Few un-named ponds in Bynan Conservation Area	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	Non-native aquatic plants. TMDL not required. Excessive algal growth.
			Judd Brook Feeder Stream		<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"/>	
			Wetland Tributary to Connecticut River		<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"/>	
			Wetland Tributary to Stony Brook		<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"/>	
			Wetland Tributary to Bachelor Brook		<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"/>	
			Wetland Tributary to Buttery Brook		<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"/>	
			Wetland Tributary to Leaping Well Brook		<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"/>	
			Wetland Tributary to White Brook		<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"/>	
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			Dry Brook - not in urbanized area		<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"/>	
			Elmer Brook - not in urbanized area		<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"/>	
			Lithia Springs Reservoir - not in urbanized area		<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"/>	
			Upper & Lower Ponds (private - MHC)		<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"/>	
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Eligibility: Endangered Species and Historic Properties

*Reminder: The proper consultations and updates to the SWMP must be conducted for construction projects related to your permit compliance where Construction General Permit (CGP) coverage, which requires its own endangered species and history preservation determination, is NOT being obtained.

Attachments:

- The results of Appendix C U.S. Fish and Wildlife Service endangered species screening determination
- The results of the Appendix D historic property screening investigations
- If applicable, any documents from the State Historic Preservation Officer (SHPO), Tribal Historic Preservation Officer (THPO), or other Tribal representative to mitigate effects

These attachments are required within one year of the permit effective date and are:

- Attached to this document (document names listed below)

- Publicly available at the website listed below

<https://www.southhadley.org/595/Stormwater> (in the Notice of Intent)

Under what criterion did permittee determine eligibility for ESA?

- Criterion A Criterion B Criterion C

Under what criterion did permittee determine eligibility for Historic Properties?

- Criterion A Criterion B Criterion C Criterion D (NH only)

Below add any additional measures for structural controls that you're required to do through consultation with U.S. Fish and Wildlife Service (if applicable):

Below add any additional measures taken to avoid or minimize adverse impacts on places listed, or eligible for listing, on the NRHP, including any conditions imposed by the SHPO or THPO (if applicable):

MCM 1

Public Education and Outreach

Permit Part 2.3.2

Objective: The permittee shall implement an education program that includes educational goals based on stormwater issues of significance within the MS4 area. The ultimate objective of a public education program is to increase knowledge and change behavior of the public so that the pollutants in stormwater are reduced.

Overview of Education and Outreach for Connecticut River Stormwater Committee

The Connecticut River Stormwater Committee will undertake activities to cover education and outreach requirements that come from several locations within the Massachusetts MS4 permit: MCM 1 - General Permit Requirements; Appendix F; and Appendix H.

The numbering (or rather lettering) system used for BMPs on following pages indicates source of education and outreach messaging requirement within the MS4 permit as follows:

- GP = General Permit
- F = Appendix F
- H = Appendix H
- F/H = both Appendix F and H

Given that the MS4 Permit, allows for certain education and outreach requirements in the appendixes to be combined where appropriate, SWMP activities described in this section combine messaging requirements from the following appendixes:

Appendix F, part B.I - Nitrogen TMDL requirements, which states part the following:

B. Requirements for Discharges to Impaired Waters with an Approved Out of State TMDL

I. Nitrogen TMDL Requirements

Discharges from MS4s in Massachusetts to waters that are tributaries to the Long Island Sound, which has an approved TMDL for nitrogen¹⁷, are subject to the requirements of this part.

1. The operators of traditional and non-traditional MS4s located in municipalities listed in Table F-11 shall comply with the following BMPs in addition to the requirements of part 2.3 of the Permit, as described below:

a. Enhanced BMPs

i. Enhancement of BMPs required by part 2.3 of the permit that shall be implemented during this permit term:

1. part 2.3.2, Public education and outreach: The permittee shall supplement its Residential and Business/Commercial/Institution program with annual timed messages on specific topics. The permittee shall distribute annual messages:

in the spring (April/May) timeframe that encourages the proper use and disposal of grass clippings and encourages the proper use of slow-release fertilizers

in the summer (June/July) timeframe encouraging the proper management of pet waste, including noting any existing ordinances where appropriate

in the Fall (August/September/October) timeframe encouraging the proper disposal of leaf litter.

The permittee shall deliver an annual message on each of these topics, unless the permittee determines that one or more of these issues is not a significant contributor of nitrogen to discharges from the MS4 and the permittee retains documentation of this finding in the SWMP. All public education messages can be combined with requirements of Appendix H part I, II and III as well as Appendix F part A.III, A.IV, A.V, B.II and B.III where appropriate.

Appendix H, part II - Phosphorus impairment requirements, which states part the following:

II. Discharges to water quality limited waterbodies and their tributaries where phosphorus is the cause of the impairment

1. Part 2.2.2.b.i. of the permit identifies the permittees subject to additional requirements to address phosphorus in their stormwater discharges because they discharge to waterbodies that are water quality limited due to phosphorus, or their tributaries, without an EPA approved TMDL. Permittees identified in part 2.2.2.b.i. of the permit must identify and implement BMPs designed to reduce phosphorus discharges in the impaired catchment(s). To address phosphorus discharges each permittee shall comply with the following requirements:

a. Additional or Enhanced BMPs

i. The permittee remains subject to the requirements of part 2.3. of the permit and shall include the following enhancements to the BMPs required by part 2.3 of the permit:

1. Part 2.3.2, Public education and outreach: The permittee shall supplement its Residential and Business/Commercial/Institution program with annual timed messages on specific topics.

The permittee shall distribute annual messages:

in the spring (March/April) timeframe that encourages the proper use and disposal of grass clippings and encourages the proper use of slow-release and phosphorous-free fertilizers.

in the summer (June/July) timeframe encouraging the proper management of pet waste, including noting any existing ordinances where appropriate.

in the fall (August/September/October) timeframe encouraging the proper disposal of leaf litter.

The permittee shall deliver an annual message on each of these topics, unless the permittee determines that one or more of these issues is not a significant contributor of phosphorous to discharges from the MS4 and the permittee retains documentation of this finding in the SWMP. All public education messages can be combined with requirements of Appendix H part I and III as well as Appendix F part A.III, A.IV, A.V, B.I, B.II and B.III where appropriate.

Appendix H, part III - Bacteria or pathogens impairment requirements, which states part the following:

III. Discharges to water quality limited waterbodies where bacteria or pathogens is the cause of the impairment

1. Consistent with part 2.2.2.c.i. of the permit, permittees that discharge to waterbodies that are water quality limited due to bacteria or pathogens, without an EPA approved TMDL, are subject to the following additional requirements to address bacteria or pathogens in their stormwater discharges.

2. Additional or Enhanced BMPs

a. The permittee remains subject to the requirements of part 2.3. of the permit and shall include the following enhancements to the BMPs required by part 2.3 of the permit:

i. Part 2.3.2. Public Education and outreach: The permittee shall supplement its Residential program with an annual message encouraging the proper management of pet waste, including noting any existing ordinances where appropriate. The permittee or its agents shall disseminate educational materials to dog owners at the time of issuance or renewal of a dog license, or other appropriate time. Education materials shall describe the detrimental impacts of improper management of pet waste, requirements for waste collection and disposal, and penalties for non-compliance. The permittee shall also provide information to owners of septic systems about proper maintenance in any catchment that discharges to a water body impaired for bacteria or pathogens.

All public education messages can be combined with requirements of Appendix H part I and II as well as Appendix F part A.III, A.IV, A.V, B.I, B.II and B.III where appropriate.

Note that a few member communities have Lake and Pond Phosphorus TMDLs and must do a Lake Phosphorus Control Plan, which may itself be developed to include education and outreach elements (non structural controls) implemented in Year 6. As these plans are yet to be developed and extend beyond the permit term of 5 years, there is no related education and outreach BMPs included within the SWMP currently.

The education and outreach messaging developed within the SWMP as shown is based on robust discussions within the Connecticut River Stormwater Committee about the stormwater issues most problematic in each MS4 and throughout the region. Given the span of the program—with requirements under the General Permit MCM 1 and requirements under the Appendixes—messaging covers a broad range of topics and seeks to promote best practices from litter and animal waste, to lawn care and low impact development.

BMP Name: Cigarette butts message

BMP Number (Optional): GP

Document Name and/or Web Address: To be provided once completed

Description: Update Butts material from Think Blue campaign and distribute as panels on PVRTA buses, also issue press release, and post on social media and Think Blue Connecticut River website

Targeted Audience: Residents

Responsible Department/Parties:

Water Pollution Control

Connecticut River Stormwater Committee

Measurable Goal:

Number of people reached, including:

- PVRTA's estimated exposure rates for panels
- # press releases sent and published
- # of "shares" or "likes" on social media such as Facebook or Twitter
- # of hits on the Connecticut River Think Blue website after message distribution

Message Date: Year 2

BMP Name: Nip bottles message

BMP Number (Optional): GP

Document Name and/or Web Address: To be provided once completed

Description: Develop message on nip bottles (and possibly litter generally) and distribute as panels on PVRTA buses, also issue press release, and post on social media and Think Blue Connecticut River website

Targeted Audience: Residents

Responsible Department/Parties:

Water Pollution Control

Connecticut River Stormwater Committee

Measurable Goal:

Number of people reached, including:

- PVRTA's estimated exposure rates for panels
- # press releases sent and published

- # of "shares" or "likes" on social media such as Facebook or Twitter
- # of hits on the Connecticut River Think Blue website after message distribution

Message Date: Year 4

BMP Name: Dumpster waste and avoiding contaminated flows message

BMP Number (Optional): GP

Document Name and/or Web Address: To be provided once completed

Description: Customize Think Blue MA material to create attractive flyer for waste management companies in the region to distribute to business customers. Provide further related instruction/information on Connecticut River Think Blue website.

Targeted Audience: Businesses, institutions and commercial facilities

Responsible Department/Parties:

Water Pollution Control
Connecticut River Stormwater Committee

Measurable Goal:

Number of people reached, including:

- # of flyers distributed
- # of "shares" or "likes" on social media such as Facebook or Twitter
- # of hits on the Connecticut River Think Blue website after message distribution

Message Date: Year 2

BMP Name: Installation of hooded catch basins to keep fuels from local surface waters

BMP Number (Optional): GP

Document Name and/or Web Address: To be provided once completed

Description: Letter to facility directors of properties with large parking lots.

Targeted Audience: Businesses, institutions and commercial facilities

Responsible Department/Parties:

Water Pollution Control, Connecticut River Stormwater Committee

Measurable Goal:

Number of people reached, including:

- # of letters sent
- # of hits on the Connecticut River Think Blue website after message distribution

Message Date: Year 4

BMP Name: New MS4 development standards and E&S control

BMP Number (Optional): GP

Document Name and/or Web Address: To be provided once completed

Description: Workshop at regional conference (Western Mass Developers Conference would be good target if held) on new MS4 development standards and E&S control

Targeted Audience: Developers (construction)

Responsible Department/Parties:

Water Pollution Control

Connecticut River Stormwater Committee

Measurable Goal:

Number of people reached, including:

- # attending workshop
- results from post workshop survey

Message Date: Year 2

BMP Name: LID strategies and technologies

BMP Number (Optional): GP

Document Name and/or Web Address: To be provided once completed

Description: Workshop at regional conference (Western Mass Developers Conference would be good target if held) on LID strategies and technologies

Targeted Audience: Developers (construction)

Responsible Department/Parties:

Water Pollution Control, Connecticut River Stormwater Committee

Measurable Goal:

Number of people reached, including:

- # attending workshop

- results from post workshop survey
-

Message Date: Year 4

BMP Name: Fleet maintenance

BMP Number (Optional): GP

Document Name and/or Web Address: To be provided once completed

Description: Customize Think Blue MA material to create attractive fact sheet promoting best practices for fleet maintenance and send to local industrial facilities.

Targeted Audience: Industrial facilities

Responsible Department/Parties:

Water Pollution Control

Connecticut River Stormwater Committee

Measurable Goal:

Number of people reached, including:

- # of fact sheets sent
- # of hits on the Connecticut River Think Blue website after message distribution

Message Date: Year 2

BMP Name: Installation of hooded catch basins to keep fuels from local surface waters

BMP Number (Optional): GP

Document Name and/or Web Address: To be provided once completed

Description: Letter to facility directors of properties with large parking lots. Provide further related instruction/information on Connecticut River Think Blue website.

Targeted Audience: Industrial facilities

Responsible Department/Parties:

Water Pollution Control

Connecticut River Stormwater Committee

Measurable Goal:

Number of people reached, including:

- # of letters sent
- # of hits on the Connecticut River Think Blue website after message distribution

Message Date: Year 4

BMP Name: Proper disposal of leaf litter

BMP Number (Optional): F/H

Document Name and/or Web Address: "Get wise about leaf litter. Consider your options."

Description: Prepared flyer that promotes action for and enables proper disposal practice and distribute to large lawn and garden centers in region.

Targeted Audience: Residents

Responsible Department/Parties:

Water Pollution Control

Connecticut River Stormwater Committee

Measurable Goal:

Number of people reached, including:

- flyers distributed / retrieved
- # of "shares" or "likes" on social media such as Facebook or Twitter
- # of hits on the Connecticut River Think Blue website after message distribution

Message Date: Fall of Year 1: August/September/October

BMP Name: Proper disposal of leaf litter

BMP Number (Optional): F/H

Document Name and/or Web Address: To be provided once completed

Description: Press release and social media post, indicating availability of brochure on the value of leaf litter and how to create compost for use in your garden on Connecticut River Think Blue website

Targeted Audience: Residents

Responsible Department/Parties:

Water Pollution Control

Connecticut River Stormwater Committee

Measurable Goal:

Number of people reached, including:

- # of letters sent
- # of clicks on website
- # of "shares" or "likes" on social media such as Facebook or Twitter
- # of hits on the Connecticut River Think Blue website after message distribution

Message Date: Fall of Year 2: August/September/October

BMP Name: Proper disposal of leaf litter

BMP Number (Optional): F/H

Document Name and/or Web Address: "Get wise about leaf litter. Consider your options."

Description: Reprise Year 1 flyer as brochure and door hanger that can be distributed to homes in known problem locations along rivers, streams, lakes, and ponds, and promoted on social media and website

Targeted Audience: Residents

Responsible Department/Parties:

Water Pollution Control
Connecticut River Stormwater Committee

Measurable Goal:

Number of people reached, including:

- # brochures and door hangers distributed
- # of "shares" or "likes" on social media such as Facebook or Twitter
- # of hits on the Connecticut River Think Blue website after message distribution

Message Date: Fall of Year 3: August/September/October

BMP Name: Proper disposal of leaf litter

BMP Number (Optional): F/H

Document Name and/or Web Address: To be provided once completed

Description: Reprise press release and social media post from Year 2, indicating availability of brochure on the value of leaf litter and how to create compost for use in your garden on Connecticut River Think Blue website

Targeted Audience: Residents

Responsible Department/Parties:

Water Pollution Control
Connecticut River Stormwater Committee

Measurable Goal:

Number of people reached, including:

- # of letters sent
- # of clicks on website
- # of "shares" or "likes" on social media such as Facebook or Twitter
- # of hits on the Connecticut River Think Blue website after message distribution

Message Date: Fall of Year 4: August/September/October

BMP Name: Proper disposal of leaf litter

BMP Number (Optional): F/H

Document Name and/or Web Address: To be provided once completed

Description: PSA to air locally and social media post

Targeted Audience: Residents

Responsible Department/Parties:

DPW Operations
Connecticut River Stormwater Committee

Measurable Goal:

- # of people reached based on estimate of exposure from radio stations
- # of "shares" or "likes" on social media such as Facebook or Twitter
- # of hits on the Connecticut River Think Blue website after message distribution

Message Date: Fall of Year 5: August/September/October

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

BMP Number (Optional): F/H

Document Name and/or Web Address: "Get wise about your lawn. Consider your options"

Description: Flyer and social media post with key actions for good practice

Targeted Audience: Residents

Responsible Department/Parties:

Water Pollution Control

Connecticut River Stormwater Committee

Measurable Goal:

Number of people reached, including:

- # of flyers distributed
- # of "shares" or "likes" on social media such as Facebook or Twitter

Message Date: Spring of Year 1: April/May

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

BMP Number (Optional): F/H

Document Name and/or Web Address: To be provided once completed

Description: Press release and social media post, indicating availability of brochure on soil testing, reading results, and proper follow up that is available on Connecticut River Think Blue website

Targeted Audience: Residents

Responsible Department/Parties:

Water Pollution Control

Connecticut River Stormwater Committee

Measurable Goal:

Number of people reached, including:

- # of press releases distributed and # of times published
- # of "shares" or "likes" on social media such as Facebook or Twitter
- # of hits on the Connecticut River Think Blue website after message distribution

Message Date: Spring of Year 2: April/May

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

BMP Number (Optional): F/H

Document Name and/or Web Address: To be provided once completed

Description: Reprise flyer and social media post from Year 1 on key actions for good practice

Targeted Audience: Residents

Responsible Department/Parties:

Water Pollution Control

Connecticut River Stormwater Committee

Measurable Goal:

Number of people reached, including:

- # of flyers distributed
- # of "shares" or "likes" on social media such as Facebook or Twitter
- # of hits on the Connecticut River Think Blue website after message distribution

Message Date: Spring of Year 3: April/May

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

BMP Number (Optional): F/H

Document Name and/or Web Address: To be provided once completed

Description: Fact sheet and social media posts on grass clippings = free fertilizer to be posted on Connecticut River Think Blue website

Targeted Audience: Residents

Responsible Department/Parties:

Water Pollution Control

Connecticut River Stormwater Committee

Measurable Goal:

Number of people reached, including:

- # of "shares" or "likes" on social media such as Facebook or Twitter
- # of hits on the Connecticut River Think Blue website after message distribution

Message Date: Spring of Year 4: April/May

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

BMP Number (Optional): F/H

Document Name and/or Web Address: To be provided once completed

Description: Public service announcement to air locally and post on social media and Connecticut River Think Blue website

Targeted Audience: Residents

Responsible Department/Parties:

Water Pollution Control

Connecticut River Stormwater Committee

Measurable Goal:

Number of people reached, including:

- # of people reached based on estimate of exposure from radio stations
- # of "shares" or "likes" on social media such as Facebook or Twitter
- # of hits on the Connecticut River Think Blue website after message distribution

Message Date: Spring of Year 5: April/May

BMP Name: Proper management of pet waste

BMP Number (Optional): F/H

Document Name and/or Web Address: To be provided once completed

Description: Update Spike poster and send with letter to veterinary offices

Targeted Audience: Residents

Responsible Department/Parties:

Water Pollution Control, Connecticut River Stormwater Committee

Measurable Goal:

Number of people reached, including:

- # of letters and posters sent
- # of hits on the Connecticut River Think Blue website after message distribution

Message Date: Summer of Year 1: June/July

BMP Name: Proper management of pet waste

BMP Number (Optional): F/H

Document Name and/or Web Address: To be provided once completed

Description: Issue pledge card on pet waste pick up through social media and Connecticut River Think Blue website. Will include messaging that pet waste is not a fertilizer.

Targeted Audience: Residents

Responsible Department/Parties:

Water Pollution Control

Connecticut River Stormwater Committee

Measurable Goal:

Number of people reached, including:

- # of pledges
- # of hits on the Connecticut River Think Blue website after message distribution

Message Date: Summer of Year 2: June/July

BMP Name: Proper management of pet waste

BMP Number (Optional): F/H

Document Name and/or Web Address: To be provided once completed

Description: Update Spike poster from Think Blue campaign and distribute as panels on PVRTA buses, press release, and post on social media and Think Blue Connecticut River website

Targeted Audience: Residents

Responsible Department/Parties:

Water Pollution Control, Connecticut River Stormwater Committee

Measurable Goal:

Number of people reached, including:

- PVRTA's estimated exposure rates for panels
- # press releases sent and published
- # of "shares" or "likes" on social media such as Facebook or Twitter
- # of hits on the Connecticut River Think Blue website after message distribution

Message Date: Summer of Year 3: June/July

BMP Name: Proper management of pet waste

BMP Number (Optional): F/H

Document Name and/or Web Address: To be provided once completed

Description: Flyer insert or e-mail with dog licenses announcing new local signs and local regulations on pet waste pick up

Targeted Audience: Residents

Responsible Department/Parties:

Water Pollution Control

Connecticut River Stormwater Committee

Measurable Goal:

Number of people reached, including:

- # of flyers distributed
- # of hits on the Connecticut River Think Blue website after message distribution

Message Date: Winter of Year 4: Change from June/July so can time with issuance of dog licenses

BMP Name: Proper management of pet waste

BMP Number (Optional): F/H

Document Name and/or Web Address: To be provided once completed

Description: Reprise issuance of pledge card from Year 2 on pet waste pick up through social media and Connecticut River Think Blue website

Targeted Audience: Residents

Responsible Department/Parties:

Water Pollution Control

Connecticut River Stormwater Committee

Measurable Goal:

Number of people reached, including:

- # of pledges
- # of hits on the Connecticut River Think Blue website after message distribution

Message Date: Summer of Year 5: June/July

BMP Name: Proper septic system care

BMP Number (Optional): H

Document Name and/or Web Address: To be provided once completed

Description: Letter for Boards of Health to send promoting best practices for homes on septic systems in problem catchments

Targeted Audience: Residents

Responsible Department/Parties:

Water Pollution Control/Board of Health
Connecticut River Stormwater Committee

Measurable Goal:

Number of people reached, including:

- # of letters sent
- # of hits on the Connecticut River Think Blue website after message distribution

Message Date: Year 3.

BMP Name: Proper disposal of leaf litter

BMP Number (Optional): F/H

Document Name and/or Web Address: To be provided once completed

Description: Letter from Stormwater Committee to landscapers in region on importance of proper disposal

Targeted Audience: Businesses, institutions and commercial facilities

Responsible Department/Parties:

Water Pollution Control
Connecticut River Stormwater Committee

Measurable Goal:

Number of people reached, including:

- # of letters sent

Message Date: Fall of Year 1: August/September/October

BMP Name: Proper disposal of leaf litter

BMP Number (Optional): F/H

Document Name and/or Web Address: To be provided once completed

Description: Mailing to landscapers in the region that lists locations for proper disposal of commercial leaf litter

Targeted Audience: Businesses, institutions and commercial facilities

Responsible Department/Parties:

Water Pollution Control

Connecticut River Stormwater Committee

Measurable Goal:

Number of people reached, including:

- # of letters sent

Message Date: Fall of Year 2: August/September/October

BMP Name: Proper disposal of leaf litter

BMP Number (Optional): F/H

Document Name and/or Web Address: To be provided once completed

Description: Reprise and update Year 1 letter from Stormwater Committee to landscapers in region on importance of proper disposal

Targeted Audience: Businesses, institutions and commercial facilities

Responsible Department/Parties:

Water Pollution Control

Connecticut River Stormwater Committee

Measurable Goal:

Number of people reached, including:

- # of letters sent

Message Date: Fall of Year 3: August/September/October

BMP Name: Proper disposal of leaf litter

BMP Number (Optional): F/H

Document Name and/or Web Address: To be provided once completed

Description: Reprise and update Year 2 mailing to landscapers in the region that lists locations for proper disposal of commercial leaf litter

Targeted Audience: Businesses, institutions and commercial facilities

Responsible Department/Parties:

Water Pollution Control

Connecticut River Stormwater Committee

Measurable Goal:

Number of people reached, including:

- # of letters sent

Message Date: Fall of Year 4: August/September/October

BMP Name: Proper disposal of leaf litter

BMP Number (Optional): F/H

Document Name and/or Web Address: To be provided once completed

Description: Reprise and update Year 3 letter from Stormwater Committee to landscapers in region on importance of proper disposal

Targeted Audience: Businesses, institutions and commercial facilities

Responsible Department/Parties:

Water Pollution Control

Connecticut River Stormwater Committee

Measurable Goal:

Number of people reached, including:

- # of letters sent

Message Date: Fall of Year 5: August/September/October

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

BMP Number (Optional): F/H

Document Name and/or Web Address: To be provided once completed

Description: Letter from Stormwater Committee to landscapers in region on importance of soil testing, proper use of fertilizers, and value of grass clippings/proper disposal

Targeted Audience: Businesses, institutions and commercial facilities

Responsible Department/Parties:

Water Pollution Control

Connecticut River Stormwater Committee

Measurable Goal:

Number of people reached, including:

- # of letters sent

Message Date: Spring of Year 1: April/May

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

BMP Number (Optional): F/H

Document Name and/or Web Address: To be provided once completed

Description: Workshop for large institutions to promote better lawns/turf management and awareness of MassDAR fertilizer regulations and nitrogen concerns in region

Targeted Audience: Businesses, institutions and commercial facilities

Responsible Department/Parties:

Water Pollution Control

Connecticut River Stormwater Committee

Measurable Goal:

Number of people reached, including:

- # of attendees

Message Date: Spring of Year 2: April/May

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

BMP Number (Optional): F/H

Document Name and/or Web Address: To be provided once completed

Description: Workshop for professional landscapers on importance of soil testing, proper use of fertilizers, and value of grass clippings/proper disposal

Targeted Audience: Businesses, institutions and commercial facilities

Responsible Department/Parties:

Water Pollution Control

Connecticut River Stormwater Committee working with UMass Extension

Measurable Goal:

Number of people reached, including:

- # of attendees

Message Date: Spring of Year 3: April/May

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

BMP Number (Optional): F/H

Document Name and/or Web Address: To be provided once completed

Description: Workshop for Garden Center staff in the region on best recommendations, including importance of soil testing, proper use of fertilizers, and value of grass clippings/proper disposal

Targeted Audience: Businesses, institutions and commercial facilities

Responsible Department/Parties:

Water Pollution Control

Connecticut River Stormwater Committee working with UMass Extension

Measurable Goal:

Number of people reached, including:

- # of attendees

Message Date: Spring of Year 4: April/May

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

BMP Number (Optional): F/H

Document Name and/or Web Address: To be provided once completed

Description: Reprise and update Year 1 letter from Stormwater Committee to landscapers in region on importance of soil testing, proper use of fertilizers, and value of grass clippings/proper disposal

Targeted Audience: Businesses, institutions and commercial facilities

Responsible Department/Parties:

Water Pollution Control
Connecticut River Stormwater Committee

Measurable Goal:

Number of people reached, including:

- # of letters sent

Message Date: Spring of Year 5: April/May

BMP Name: Proper management of animal waste (pet and geese)

BMP Number (Optional): F/H

Document Name and/or Web Address: To be provided once completed

Description: Letter targeting certain businesses, commercial, and institutional property owners explaining strategies for geese management and resources

Targeted Audience: Businesses, institutions and commercial facilities

Responsible Department/Parties:

Water Pollution Control
Connecticut River Stormwater Committee

Measurable Goal:

Number of people reached, including:

- # of letters distributed

Message Date: Summer of Year 1: June/July

BMP Name: Proper management of animal waste (pet and geese)

BMP Number (Optional): F/H

Document Name and/or Web Address: To be provided once completed

Description: Letter to larger properties with problem locations offering sign design template promoting pet waste pick up

Targeted Audience: Businesses, institutions and commercial facilities

Responsible Department/Parties:

Water Pollution Control

Connecticut River Stormwater Committee

Measurable Goal:

Number of people reached, including:

- # of letters distributed

Message Date: Summer of Year 2: June/July

BMP Name: Proper management of animal waste (pet and geese)

BMP Number (Optional): F/H

Document Name and/or Web Address: To be provided once completed

Description: Piggyback on messaging for residents in Year 3 on pet waste, updating Spike poster from Think Blue campaign and distribute as panels on PVRTA buses, press release, and post on social media and Think Blue Connecticut River website

Targeted Audience: Businesses, institutions and commercial facilities

Responsible Department/Parties:

Water Pollution Control, Connecticut River Stormwater Committee

Measurable Goal:

Number of people reached, including:

- PVRTA's estimated exposure rates for panels
- # press releases sent and published
- # of "shares" or "likes" on social media such as Facebook or Twitter
- # of hits on the Connecticut River Think Blue website after message distribution

Message Date: Summer of Year 3: June/July

BMP Name: Proper management of animal waste (pet and geese)

BMP Number (Optional): F/H

Document Name and/or Web Address: To be provided once completed

Description: Reprise and update Year 1 letter targeting certain businesses, commercial, and institutional property owners explaining strategies for geese management and resources

Targeted Audience: Businesses, institutions and commercial facilities

Responsible Department/Parties:

Water Pollution Control

Connecticut River Stormwater Committee

Measurable Goal:

Number of people reached, including:

- # of letters distributed

Message Date: Summer of Year 4: June/July

BMP Name: Proper management of animal waste (pet and geese)

BMP Number (Optional): F/H

Document Name and/or Web Address: To be provided once completed

Description: Reprise and update Year 2 letter to larger properties with problem locations offering sign design template promoting pet waste pick up

Targeted Audience: Businesses, institutions and commercial facilities

Responsible Department/Parties:

Water Pollution Control

Connecticut River Stormwater Committee

Measurable Goal:

Number of people reached, including:

- # of letters distributed

Message Date: Summer of Year 5: June/July

MCM 2
Public Involvement and Participation
Permit Part 2.3.3

Objective: The permittee shall provide opportunities to engage the public to participate in the review and implementation of the permittee's SWMP.

BMP: Public Review of Stormwater Management Program

BMP Number (Optional) 1 _____

Location of Plan and/or Web Address:

Responsible Department/Parties:

Measurable Goal(s):

BMP: Public Participation in Stormwater Management Program Development

BMP Number (Optional) 2 _____

Description:

Responsible Department/Parties:

Measurable Goal(s):

BMP: [BMP name here]

BMP Number (Optional) 3 _____

Document Name and/or Web Address:

Description:

Responsible Department/Parties:

Measurable Goal(s):

MCM 3

Illicit Discharge Detection and Elimination (IDDE) Program

Permit Part 2.3.4

Objective: The permittee shall implement an IDDE program to systematically find and eliminate illicit sources of non-stormwater discharges to its municipal separate storm sewer system and implement procedures to prevent such discharges.

BMP: IDDE Legal Authority

BMP Number (Optional) _____

Completed (by May 1, 2008)

Ordinances Link or Reference:

Department Responsible for Enforcement:

BMP: Sanitary Sewer Overflow (SSO) Inventory

BMP Number (Optional) 1

Completed (by year 1)

Document Name and/or Web Address:

Description:

Responsible Department/Parties:

Measurable Goal(s):

SSO Reporting:

In the event of an overflow or bypass, a notification must be reported within 24 hours by phone to MassDEP, EPA, and other relevant parties. Follow up the verbal notification with a written report following MassDEP's Sanitary Sewer Overflow (SSO)/Bypass notification form within 5 calendar days of the time you become aware of the overflow, bypass, or backup.

<p>The MassDEP contacts are:</p> <p>Western Region (413) 784-1100 436 Dwight Street Springfield, MA 01103</p> <p>24-hour Emergency Line 1-888-304-1133</p>	<p>The EPA contacts are:</p> <p>EPA New England (617) 918-1510 5 Post Office Square Boston, MA 02109</p>
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BMP: Map of Storm Sewer System

BMP Number (Optional) 2

Phase I Completed
(by year 2)

Phase II Completed
(by year 10)

Document Location and/or Web Address:

Description:

Create map of stormwater system and structures, and update during IDDE Program implementation.

Responsible Department/Parties: DPW Management

Measurable Goal(s):

Map 100% of outfalls and receiving waters, open channel conveyances, interconnections with other MS4s and other storm sewer systems, municipally-owned stormwater treatment structures, waterbodies identified by name and indication of all use impairments, and initial catchment delineations within 2 years of the permit's effective date. Map 100% of outfall spatial locations, pipes, manholes, catch basins, refined catchment delineations, municipal sanitary sewer system (if available), and municipal combined sewer system (if applicable) within 10 years of the permit's effective date.

BMP: IDDE Program

BMP Number (Optional) 3 _____

Written Document Completed (by year 1)

Document Name and/or Web Address:

Description:

Create a written IDDE Program and implement required activities.

Responsible Department/Parties: DPW Management, Water Pollution Control

Measurable Goal(s):

Conduct 100% of outfall screening on High and Low Priority Outfalls within 3 years of the permit's effective date. Complete catchment investigations for 100% of the Problem Outfalls within 7 years of the permit's effective date. Complete 100% of all catchment investigations within 10 years of the permit's effective date.

The outfall/interconnection inventory and initial ranking and the dry weather outfall and interconnection screening and sampling results can be found:

BMP: Employee Training

BMP Number (Optional) 4 _____

Description:

Provide IDDE training to designated employees.

Responsible Department/Parties: DPW Management

Measurable Goal(s):

Training occurs annually.

BMP:[BMP name here]

BMP Number (Optional) 5 _____

Completed

Document Name and/or Web Address: _____

Description:

Conduct dry weather screening of outfalls in accordance with procedures and permit conditions.

Responsible Department/Parties: DPW Management, Water Pollution Control

Measurable Goal(s):

To be completed 3 years after effective date of the Permit.

BMP:[BMP name here]

BMP Number (Optional) 6 _____

Completed

Document Name and/or Web Address: _____

Description:

Conduct wet weather screening of outfalls in accordance with procedures and permit conditions.

Responsible Department/Parties: DPW Management, Water Pollution Control

Measurable Goal(s):

To be completed 10 years after effective date of the Permit.

Add BMP

MCM 4

Construction Site Stormwater Runoff Control

Permit Part 2.3.5

Objective: The objective of an effective construction stormwater runoff control program is to minimize or eliminate erosion and maintain sediment on site so that it is not transported in stormwater and allowed to discharge to a water of the U.S. through the permittee's MS4.

BMP: Sediment and Erosion Control Ordinance

BMP Number (Optional) _____

Completed (by May 1, 2008)

Ordinances Link or Reference:

Department Responsible for Enforcement:

BMP: Site Plan Review Procedures

BMP Number (Optional) 1

Written procedures completed (by year 1)

Document Name and/or Web Address:

Description:

Responsible Department/Parties:

Measurable Goal(s):

BMP: Site Inspections and Enforcement of Sediment and Erosion Control Measures Procedures

BMP Number (Optional) 2

Completed (by year 1)

Document Name and/or Web Address:

Description:

Responsible Department/Parties:

Measurable Goal(s):

BMP:[BMP name here]

BMP Number (Optional) 3 _____

Completed

Document Name and/or Web Address: (South Hadley eCode)

Description:

Responsible Department/Parties:

Measurable Goal(s):

MCM 5

Post Construction Stormwater Management in New Development and Redevelopment

Permit Part 2.3.6

Objective: The objective of an effective post construction stormwater management program is to reduce the discharge of pollutants found in stormwater to the MS4 through the retention or treatment of stormwater after construction on new or redeveloped sites and to ensure proper maintenance of installed stormwater controls.

BMP: Post-Construction Ordinance

BMP Number (Optional) 1 _____

Completed (by year 2)

Town Ordinances Link or Reference: <http://www.southhadley.org/DocumentCenter/View/955/Stormwater-Bylaw-Erosion-and-Sediment-Control-PDF?bidId=>

Department Responsible for Enforcement: [Planning/zoning Department](#)

BMP: Street Design and Parking Lot Guidelines Report

BMP Number (Optional) 2 _____

Completed (by year 4)

Document Name and/or Web Address: _____

Description:

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.

Responsible Department/Parties: [Planning/zoning Department](#)

Measurable Goal(s):

Recommendations are implemented by July 1, 2022 with progress reported annually.

BMP: Green Infrastructure Report

BMP Number (Optional) 3 _____

Completed (by year 4)

Document Name and/or Web Address: _____

Description:

Develop a report assessing existing local regulations to determine the feasibility of making green infrastructure practices allowable when appropriate site conditions exist.

Responsible Department/Parties: [Planning/zoning Department](#)

Measurable Goal(s):

Recommendations are implemented by July 1, 2022 with progress reported annually.

BMP: List of Municipal Retrofit Opportunities

BMP Number (Optional) 4

Completed (by year 4)

Document Name and/or Web Address:

Description:

Identify 5 permittee-owned properties that could be modified or retrofitted with BMP's to reduce impervious areas.

Responsible Department/Parties:

Measurable Goal(s):

The list will be completed by June 30, 2022. Address each location and annually update list so there are 5 properties until complete. Report annually on retrofitted properties.

BMP:[BMP name here]

BMP Number (Optional) 5

Completed

Document Name and/or Web Address:

Description:

Adoption, amendment or modification of regulatory mechanism to meet new Permit requirements for development/redevelopment.

Responsible Department/Parties:

Measurable Goal(s):

Ensure any stormwater controls or management practices for new or re-development meet the new retention / treatment requirements of the new Permit.

Add BMP

MCM 6

Good Housekeeping and Pollution Prevention for Permittee Owned Operations

Permit Part 2.3.7

Objective: The permittee shall implement an operations and maintenance program for permittee-owned operations that has a goal of preventing or reducing pollutant runoff and protecting water quality from all permittee-owned operations.

PERMITTEE OWNED FACILITIES

BMP: Parks and Open Spaces Operations and Maintenance Procedures

BMP Number (Optional) 1 _____

Written Document Completed (by year 2)

Document Name and/or Web Address:

Description:

Identify properties and create written O&M procedures including all requirements contained in 2.3.7.a.ii.

Responsible Department/Parties:

Measurable Goal(s):

Implement the SOP listed above on 100% of the parks and open spaces by June 30, 2020.

Properties List (Optional):

BMP: Buildings and Facilities Operations and Maintenance Procedures

BMP Number (Optional) 2 _____

Written Document Completed (by year 2)

Document Name and/or Web Address:

Description:

Identify locations and create written O&M procedures including all requirements contained in 2.3.7.a.ii.

Responsible Department/Parties:

Measurable Goal(s):

Implement the SOP listed above on 100% of buildings and facilities by June 30, 2020.

Properties List (Optional):

BMP: Vehicles and Equipment Operations and Maintenance Procedures

BMP Number (Optional) 3 _____

Written Document Completed (by year 2)

Document Name and/or Web Address:

Description:

Responsible Department/Parties:

Measurable Goal(s):

Properties List (Optional):

INFRASTRUCTURE

BMP: Infrastructure Operations and Maintenance Procedures

BMP Number (Optional) 4 _____ **Written Procedure Completed (by year 2)**

Document Name and/or Web Address:

Description:

Responsible Department/Parties:

Measurable Goal(s):

BMP: Catch Basin Cleaning Program

BMP Number (Optional) 5 _____ **Written Procedure Completed (by year 1)**

Document Name and/or Web Address:

Description:

Responsible Department/Parties:

Measurable Goal(s):

All catch basins are cleaned in accordance to the document above such that no catch basin is more than 50% full at any given time.

BMP: Street Sweeping Program

BMP Number (Optional) 6 _____

Written Procedure Completed (by year 1)

Document Name and/or Web Address:

Description:

Sweep all streets and permittee owned parking lots in accordance with permit conditions.

Responsible Department/Parties: DPW Management, Highway Department

Measurable Goal(s):

Annually sweep 100% of all streets and 50% of all municipal parking lots in accordance with the schedule listed above.

BMP: Winter Road Maintenance Program

BMP Number (Optional) 7 _____

Written Procedure Completed (by year 1)

Document Name and/or Web Address:

Description:

Establish and implement a program to minimize the use of road salt.

Responsible Department/Parties: DPW Management, Highway Department

Measurable Goal(s):

Implement salt use optimization during deicing season.

BMP: Stormwater Treatment Structures Inspection and Maintenance Procedures

BMP Number (Optional) 8 _____

Completed (by year 1)

Document Name and/or Web Address:

Description:

Develop inspection and maintenance procedures for all SW treatment structures (excluding catch basins) and establish inspection frequencies. Each must be inspected a minimum of once per year.

Responsible Department/Parties: DPW Management, Highway Department

Measurable Goal(s):

Inspect and maintain 100% of treatment structures to ensure proper function.

BMP: SWPPP

BMP Number (Optional) 9 _____

Completed (by year 2)

Document Name and/or Web Address: _____

Description:

Create SWPPP's for identified locations.

Responsible Department/Parties: Water Pollution Control, DPW Mangement

Measurable Goal(s):

Develop and implement SWPPPs for 100% of facilities by June 30, 2020.

BMP: Composting Program

BMP Number (Optional) 10 _____

Completed

Document Name and/or Web Address: _____

Description:

Continue collection and composting of residential leaf and brush material

Responsible Department/Parties: DPW Management, DPW Operations

Measurable Goal(s):

Reduce waste to environment

BMP:

BMP Number (Optional) 11 _____

Completed

Document Name and/or Web Address:

Description:

Continue to promote and implement recycling programs

Responsible Department/Parties: DPW Management, DPW Operations

Measurable Goal(s):

Reduce waste to the environment

Add BMP

Annual Evaluation

Year 1 Annual Report

Document Name and/or Web Address:

Year 2 Annual Report

Document Name and/or Web Address:

Year 3 Annual Report

Document Name and/or Web Address:

Year 4 Annual Report

Document Name and/or Web Address:

Year 5 Annual Report

Document Name and/or Web Address:

Year X Annual Report

Document Name and/or Web Address:

Add a Year

TMDLs and Water Quality Limited Waters

Select the applicable Impairment(s) and/or TMDL(s).

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 and Pathogen Metals Nitrogen Phosphorus

Clear Impairments and TMDLs

Bacteria/Pathogens

Combination of Impaired Waters Requirements and TMDL Requirements as Applicable

Applicable Receiving Waterbody(ies)	TMDL Name (if applicable)	Add/Delete Row
Buttery Brook MA34-42		<input type="checkbox"/> + <input type="checkbox"/> -
Connecticut River MA34-05		<input type="checkbox"/> + <input type="checkbox"/> -
Stony Brook MA34-19		<input type="checkbox"/> + <input type="checkbox"/> -

Annual Requirements Beginning Year 1

 Rank outfalls to these receiving waters as high priority for IDDE implementation in the initial outfall ranking

The relevant BMP number(s) listed above in the Stormwater Management Program OR the description of implementation actions and document location(s) are:

Refer to IDDE Program when available (MCM 3).

Public Education and Outreach

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

 Annual message encouraging the proper management of pet waste, including noting any existing ordinances where appropriate

The relevant BMP number(s) listed above in the Stormwater Management Program OR the description of implementation actions and document location(s) are:

See MCM 1, BMP# F/H: Proper Management of Pet Waste, Years 1-5

 Permittee or its agents disseminate educational material to dog owners at the time of issuance or renewal of dog license, or other appropriate time

The relevant BMP number(s) listed above in the Stormwater Management Program OR the description of implementation actions and document location(s) are:

See MCM 1, BMP# F/H: Proper Management of Pet Waste, Year 4

Provide information to owners of septic systems about proper maintenance in any catchment that discharges to a water body impaired for bacteria

The relevant BMP number(s) listed above in the Stormwater Management Program OR the description of implementation actions and document location(s) are:

See MCM 1, BMP# F/H: Proper Septic System Care, Year 3

Nitrogen

Combination of Impaired Waters Requirements and TMDL Requirements as Applicable

Applicable Receiving Waterbody(ies)	TMDL Name (if applicable)	Add/Delete Row
Connecticut River	Long Island Sound TMDL	<input type="checkbox"/> + <input type="checkbox"/> -

Annual Requirements Beginning Year 1

Rank outfalls to these receiving waters as high priority for IDDE implementation in the initial outfall ranking

The relevant BMP number(s) listed above in the Stormwater Management Program OR the description of implementation actions and document location(s) are:

Refer to IDDE Program when available.

Public Education and Outreach

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

Distribute an annual message in the spring (April/May) that encourages the proper use and disposal of grass clippings and encourages the proper use of slow-release fertilizers

The relevant BMP number(s) listed above in the Stormwater Management Program OR the description of implementation actions and document location(s) are:

See MCM 1, BMP# F/H: Importance of soil test, proper use of fertilizers, and value of grass clippings/proper disposal Years 1-5

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

The relevant BMP number(s) listed above in the Stormwater Management Program OR the description of implementation actions and document location(s) are:

See MCM 1, BMP# F/H: Proper Management of Pet Waste, Years 1-5

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

The relevant BMP number(s) listed above in the Stormwater Management Program OR the description of implementation actions and document location(s) are:

See MCM 1, BMP# F/H: Proper Disposal of Leaf Litter, Years 1-5

Good Housekeeping and Pollution Prevention for Permittee Owned Operations

Establish requirements for the use of slow release fertilizers on permittee owned property currently using fertilizer, in addition to reducing and managing fertilizer use as provided in part 2.3.7.1

The relevant BMP number(s) listed above in the Stormwater Management Program OR the description of implementation actions and document location(s) are:

See MCM 6, BMP # 1

Establish procedures to properly manage grass cuttings and leaf litter on permittee property, including prohibiting blowing organic waste materials onto adjacent impervious surfaces

The relevant BMP number(s) listed above in the Stormwater Management Program OR the description of implementation actions and document location(s) are:

See MCM 6, BMP #'s 1 & 2

Increase 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)

The relevant BMP number(s) listed above in the Stormwater Management Program OR the description of implementation actions and document location(s) are:

See MCM #6, BMP: Street Sweeping Program

Nitrogen Reduction Tracking BMP

Any structural BMPs listed in Table 3 of Attachment 1 to Appendix H already existing or installed in the regulated area by the permittee or its agents shall be tracked and the permittee shall estimate the nitrogen removal by the BMP consistent with Attachment 1 to Appendix H. .

The BMP type, total area treated by the BMP, the design storage volume of the BMP and the estimated nitrogen removed in mass per year by the BMP is found in the following document or website and is updated yearly at a minimum:

Identify any applicable locations, develop procedures and implement tracking in Year 2.

Requirements Due by Year 2

Stormwater Management in New Development and Redevelopment

The requirement for adoption/amendment of the permittee's ordinance or other regulatory mechanism shall include a requirement that new development and redevelopment stormwater management BMPs be optimized for nitrogen removal

The relevant BMP number(s) listed above in the Stormwater Management Program OR the description of implementation actions and document location(s) are:

See MCM 4, BMP #3

Solids, Oil and Grease (Hydrocarbons), or Metals

Combination of Impaired Requirements and TMDL Requirements as Applicable

Applicable Receiving Waterbody(ies)	TMDL Name (if applicable)	Add/Delete Row
Connecticut River MA34-05		<input type="checkbox"/> + <input type="checkbox"/> -
Stony Brook MA34-19		<input type="checkbox"/> + <input type="checkbox"/> -

Annual Requirements Beginning Year 1

Rank outfalls to these receiving waters as high priority for IDDE implementation in the initial outfall ranking

The relevant BMP number(s) listed above in the Stormwater Management Program OR the description of implementation actions and document location(s) are:

Refer to IDDE Program when available.

Good Housekeeping and Pollution Prevention for Permittee Owned Operations

Increase street sweeping frequency of all municipal owned streets and parking lots to a schedule to target areas with potential for high pollutant loads

The relevant BMP number(s) listed above in the Stormwater Management Program OR the description of implementation actions and document location(s) are:

See MCM 6 BMP: Street Sweeping Policy

Prioritize inspection and maintenance for catch basins to ensure that no sump shall be more than 50 percent full; Clean catch basins more frequently if inspection and maintenance activities indicate excessive sediment or debris loadings

The relevant BMP number(s) listed above in the Stormwater Management Program OR the description of implementation actions and document location(s) are:

See MCM 6 BMP: Catch Basin Cleaning Program

Requirements Due by Year 2

Stormwater Management in New Development and Redevelopment

Stormwater management systems designed on commercial and industrial land use area draining to the water quality limited water body shall incorporate designs that allow for shutdown and containment where appropriate to isolate the system in the event of an emergency spill or other unexpected event

The relevant BMP number(s) listed above in the Stormwater Management Program OR the description of implementation actions and document location(s) are:

See MCM 4 BMP #3

Lake and Pond Phosphorus TMDL

Begin Phase 1 of the Lake Phosphorus Control Plan during year 1 and complete by year 5.

Applicable Receiving Waterbody(ies)	PCP Complete	Document Location	Add/Delete Row
Bachelor Brook	<input type="checkbox"/>	Determine if applicable	<input type="checkbox"/> + <input type="checkbox"/> -

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 (web address or physical location, if already completed):

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?
(Part II, III, IV or V, Subpart B.3.(b.) of 2003 permit) Effective Date or Estimated Date of Adoption (MM/DD/YY):

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

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

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
Local Public Service Announcements	Panels on PVTA buses & press release on cigarette butts	Residents	Water Pollution Control, Regional SW Committee	Increased awareness	2019
Brochures/Pamphlets	Flyer on Dumpster Waste & avoiding contaminated flow.	Businesses, Institutions and Commercial Facilities	Water Pollution Control, Regional SW Committee	Improved practices	2019
Workshop	New standards and E & S Control.	Developers (construction)	Water Pollution Control, Regional SW Committee	Improved understanding of SW requirements	2019
Brochures/Pamphlets	Fact Sheet Fleet maintenance	Industrial Facilities	Water Pollution Control, Regional SW Committee	Improved practices	2019
Local Public Service Announcements	Panels on PVTA buses & press release	Residents	Water Pollution Control, Regional SW Committee	Increased awareness	2021
Promotion of hooded catch basins	Letters & information to locations with large parking lots	Businesses, Institutions and Commercial Facilities	Water Pollution Control, Regional SW Committee	Improved practices	2021
Workshop	LID Strategies & Technologies	Developers (construction)	Water Pollution Control, Regional SW Committee	Improved understanding of SW requirements	2020
Promotion of hooded catch basins	Letters & information to locations with large parking lots	Industrial Facilities	Water Pollution Control, Regional SW Committee	Improved practices	2021

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 Implementation
Public Review	SWMP Review	Water Pollution Control	Allow annual review of stormwater management plan and posting of stormwater management plan on website	2019
Public Participation	Annual comment period for SWMP Review	Water Pollution Control	Allow public to comment on stormwater management plan annually	2019
Public Participation	Household hazardous waste collection	DPW Management	Reduce harmful wastes to the environment	2018
Public Participation	Sharps/Prescription Collection Programs	DPW Management	Reduce harmful wastes to the environment	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 Implementation
SSO inventory	Develop SSO inventory in accordance of permit conditions	Water Pollution Control	Complete within 1 year of effective date of permit	2018
Storm sewer system map	Create map and update during IDDE program completion	DPW Management	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 Management, Water Pollution Control	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 Management	Complete 10 years after effective date of permit	2019
Employee training	Train employees on IDDE implementation	DPW Management	Train annually	2019
Conduct dry weather screening	Conduct in accordance with outfall screening procedure and permit conditions	DPW Management	Complete 3 years after effective date of permit	2019
Conduct wet weather screening	Conduct in accordance with outfall screening procedure	DPW Management	Complete 10 years after effective date of permit	2020
Ongoing screening	Conduct dry weather and wet weather screening (as necessary)	DPW Management	Complete ongoing outfall screening upon completion of IDDE program	2023

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	DPW Management	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	Planning/zoning Department, Health Department	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 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	Planning/zoning Department	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 Management	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	Planning/zoning Department	Complete 4 years after effective date of permit and implement recommendations of report	2020
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.	Planning/zoning Department	Complete 4 years after effective date of permit and implement recommendations of report	2020

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	DPW Management	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 Management	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 Management	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 Management, Water Pollution Control	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 Management, DPW Operations	Clean catch basins on established schedule and report number of catch basins cleaned and volume of material moved annually	2019
Street sweeping program	Sweep all streets and permittee-owned parking lots in accordance with permit conditions	DPW Management, DPW Operations	Sweep all streets and permittee-owned parking lots once per year in the spring	2019
Road salt use optimization program	Establish and implement a program to minimize the use of road salt	DPW Management, DPW Operations	Implement salt use optimization during deicing season	2019

Inspections and maintenance of stormwater treatment structures	Establish and implement inspection and maintenance procedures and frequencies	DPW Management, DPW Operations	Inspect and maintain treatment structures at least annually	2019
Medical Waste Collection	Continue collection programs for sharps & medications	DPW Management, Health Department	Reduce improper disposal of waste	2018
Composting Program	Continue collection & composting of leaf & brush material	DPW Management & DPW Operations	Reduce improper disposal of waste	2018
Recycling Program	Continue to implement & promote recycling program	DPW Management	Reduce improper disposal of waste	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)
Long Island Sound TMDL (Nitrogen)	Adhere to requirements in part B.I of Appendix F	DPW Management, Planning/zoning Department
Long Island Sound TMDL (Nitrogen)	Adhere to requirements in part B.I of Appendix F	Water Pollution Control, Regional Stormwater Committee
Connecticut Lakes (Phosphorus)	Adhere to requirements in part A.II of Appendix F	DPW Management
	Adhere to requirements in part A.II of Appendix F	

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

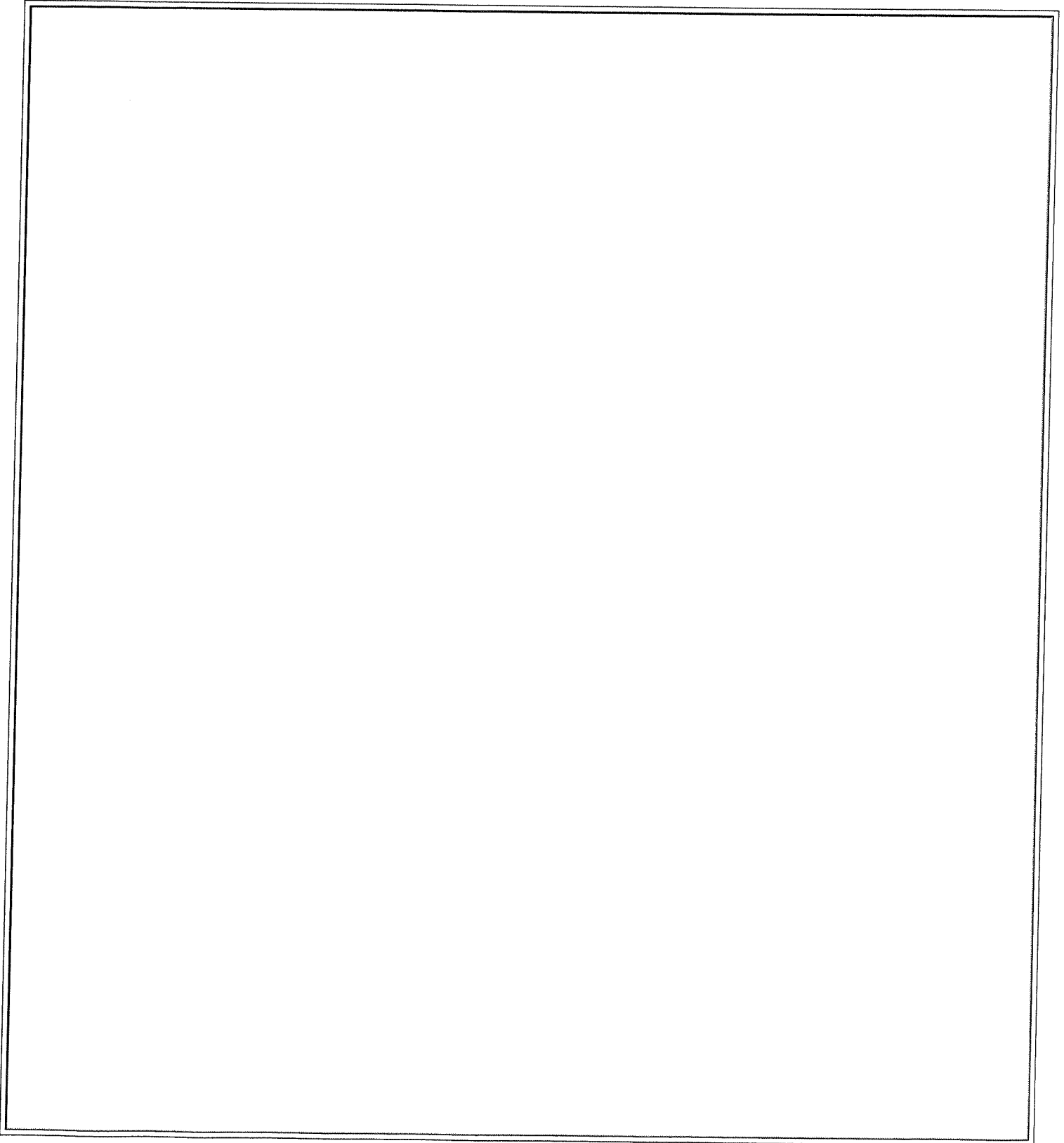
Use the drop-down menus to select the pollutant causing the water quality limitation and enter the waterbody ID(s) experiencing excursions above water quality standards for that pollutant. Choose the action description from the dropdown menu and indicate the responsible party. If no options are applicable, 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	Buttery Brook MA34-42, Stony Brook MA34-19, Connecticut River MA34-05	Adhere to requirements in part III of Appendix H	DPW Management, Water Pollution Control, Regional SW Committee
TSS	Stony Brook MA34-19, Connecticut River MA34-05	Adhere to requirements in part V of Appendix H	DPW Mgmt & Ops, Water Pollution Control, Planning/Zoning Dept.

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

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

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.

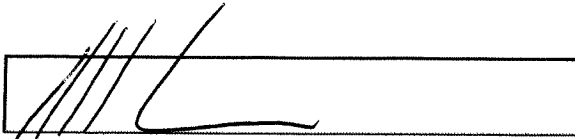
Name:

Michael Sullivan

Title:

Town Administrator

Signature:



Date:

10/11/18

[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

September 25, 2018

RE: NHPA Determination

To Whom It May Concern:

The Town of South Hadley has reviewed the guidance in Appendix D of the 2016 Stormwater Permit for Massachusetts, and is certifying under criterion A, as the Town was authorized under the 2003 Stormwater Permit.

Melissa LaBonte
WPC Compliance Manager

September 25, 2018

RE: ESA Determination

To Whom It May Concern:

The Town of South Hadley has reviewed the guidance in Appendix C of the 2016 Stormwater Permit for Massachusetts, and is certifying under criterion C. Two species were identified to be present in South Hadley, utilizing the U.S. Fish & Wildlife Service Ipac tool. These are the small whorled pogonia and the northern long eared bat, however there are no critical habitats in the "project" area. We do not believe there will be any effect on these species as a result of current activities. Any future projects shall be evaluated on a case by case basis. A copy of the FWS letter is attached for reference.

Melissa LaBonte
WPC Compliance Manager



United States Department of the Interior



FISH AND WILDLIFE SERVICE
New England Ecological Services Field Office
70 Commercial Street, Suite 300
Concord, NH 03301-5094
Phone: (603) 223-2541 Fax: (603) 223-0104
<http://www.fws.gov/newengland>

In Reply Refer To:
Consultation Code: 05E1NE00-2018-SLI-2501
Event Code: 05E1NE00-2018-E-05829
Project Name: SW Notice of Intent

July 24, 2018

Subject: List of threatened and endangered species that may occur in your proposed project location, and/or may be affected by your proposed project

To Whom It May Concern:

The enclosed species list identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 *et seq.*).

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the ECOS-IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the ECOS-IPaC system by completing the same process used to receive the enclosed list.

The purpose of the Act is to provide a means whereby threatened and endangered species and the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the Act and its implementing regulations (50 CFR 402 *et seq.*), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered species and to determine whether projects may affect threatened and endangered species and/or designated critical habitat.

A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2)(c)). For projects other than major construction activities, the Service suggests that a biological evaluation similar to a Biological Assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

If a Federal agency determines, based on the Biological Assessment or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species and proposed critical habitat be addressed within the consultation. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at:

<http://www.fws.gov/endangered/esa-library/pdf/TOC-GLOS.PDF>

Please be aware that bald and golden eagles are protected under the Bald and Golden Eagle Protection Act (16 U.S.C. 668 *et seq.*), and projects affecting these species may require development of an eagle conservation plan (http://www.fws.gov/windenergy/eagle_guidance.html). Additionally, wind energy projects should follow the wind energy guidelines (<http://www.fws.gov/windenergy/>) for minimizing impacts to migratory birds and bats.

Guidance for minimizing impacts to migratory birds for projects including communications towers (e.g., cellular, digital television, radio, and emergency broadcast) can be found at: <http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/towers.htm>; <http://www.towerkill.com>; and <http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/comtow.html>.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. Please include the Consultation Tracking Number in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.

Attachment(s):

- Official Species List

Official Species List

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

New England Ecological Services Field Office

70 Commercial Street, Suite 300

Concord, NH 03301-5094

(603) 223-2541

Project Summary

Consultation Code: 05E1NE00-2018-SLI-2501

Event Code: 05E1NE00-2018-E-05829

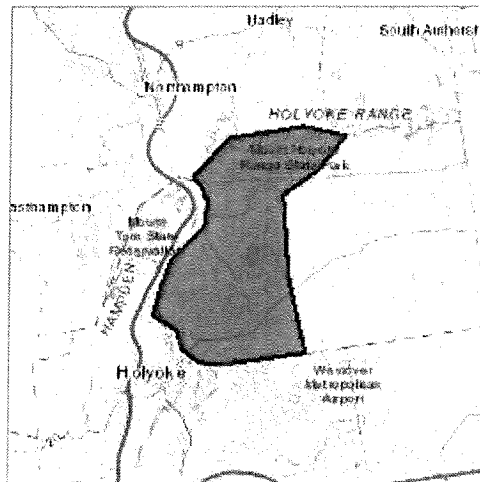
Project Name: SW Notice of Intent

Project Type: ** OTHER **

Project Description: Permitting of stormwater discharges to various waterbodies located throughout the urbanized area of the Town of South Hadley under the 2017 General Permit.

Project Location:

Approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/place/42.25895447264538N72.58280689581488W>



Counties: Hampden, MA | Hampshire, MA

Endangered Species Act Species

There is a total of 2 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries¹, as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

-
1. NOAA Fisheries, also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

Mammals

NAME	STATUS
Northern Long-eared Bat <i>Myotis septentrionalis</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/9045	Threatened

Flowering Plants

NAME	STATUS
Small Whorled Pogonia <i>Isotria medeoloides</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/1890	Threatened

Critical habitats

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.



United States Department of the Interior



FISH AND WILDLIFE SERVICE

New England Field Office
70 Commercial Street, Suite 300
Concord, NH 03301-5087
<http://www.fws.gov/newengland>

January 8, 2018

To Whom It May Concern:

This project was reviewed for the presence of federally listed or proposed, threatened or endangered species or critical habitat per instructions provided on the U.S. Fish and Wildlife Service's New England Field Office website:

<http://www.fws.gov/newengland/EndangeredSpec-Consultation.htm> (accessed January 2018)

Based on information currently available to us, no federally listed or proposed, threatened or endangered species or critical habitat under the jurisdiction of the U.S. Fish and Wildlife Service are known to occur in the project area(s). Preparation of a Biological Assessment or further consultation with us under section 7 of the Endangered Species Act is not required. No further Endangered Species Act coordination is necessary for a period of one year from the date of this letter, unless additional information on listed or proposed species becomes available.

Thank you for your cooperation. Please contact David Simmons of this office at 603-227-6425 if we can be of further assistance.

Sincerely yours,

Thomas R. Chapman
Supervisor
New England Field Office