

Stormwater Management Plan

MA MS4 General Permit Requirements

EPA NPDES Permit Number: MAR041125

Prepared for:
Lakeville, Massachusetts

June 2019



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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)

- ☐ 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

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):



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

VIA EMAIL

May 30, 2019

Aaron Burke
Chairman, Board of Selectmen

And;

Rita Garbitt
Town Administrator
346 Bedford Street
Lakeville, MA. 02347
rgarbitt@lakevillema.org

Re: National Pollutant Discharge Elimination System Permit ID #: MAR041125, Town of Lakeville

Dear Rita Garbitt:

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

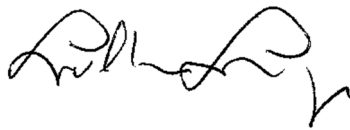
any questions regarding this permit please contact Newton Tedder at tedder.newton@epa.gov or (617) 918-1038.

Sincerely,



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

and;



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

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1.0 BACKGROUND

1.1 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.

1.2 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.

1.3 Stormwater Management Plan (SWMP)

The SWMP describes and details the activities and measures that will be implemented to meet the terms and conditions of the permit. The SWMP accurately describes the permittees plans and activities. 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 house keeping program to ensure that stormwater pollution sources on municipal properties and from municipal operations are minimized. The hyperlinks provided in Appendix A offer additional information and supporting documents related to the MS4 Permit and the aforementioned minimum control measures.

1.4 Town Specific MS4 Background

The Town must give special consideration to and meet eligibility requirements for their discharges to be able to apply for coverage under the General Permit. Eligibility will be determined based on three categories: Endangered Species Act, National Historic Preservation Act, and Water Quality Impaired Waters. The Town must establish that discharges from its storm drain system do not adversely impact endangered species, critical habitats, and historic properties in order to be covered by the General Permit. Furthermore, the Town must identify all receiving waters that have been classified as Water Quality Impaired Waters by the MA DEP. The Town of Lakeville and its surrounding water bodies are shown on *Figure 1: System Locus*. The Notice of Intent (NOI) for coverage under the Small MS4 Permit was submitted on September 28, 2018. A copy of the NOI is provided in Appendix B.

2.0 SWMP COMPONENTS

2.1 Parties Involved in Implementation

Stormwater programs in the Town of Lakeville are currently a responsibility of the Town Administrator, Rita Garbitt. The Town has not yet created/staffed a stormwater management position. The Town has formed a Stormwater Committee, which includes

the Highway Department, Conservation Commission, Planning Board, and Building Department. The committee members have been involved in the implementation of the current stormwater program and meeting Permit requirements. A draft schedule and budget has been developed in effort to comply with the NPDES Permit. The draft schedule is attached as Appendix C. The current members of the stormwater management team are listed in the table below.

Name	Title	Department
Rita Garbitt	Town Administrator	Town of Lakeville
Nathan Darling	Building Commissioner	Building Department
Franklin Moniz	Highway Superintendent	Highway Department
<i>Additional Members*</i>		

2.2 Documentation Regarding Endangered Species

In order to comply with part 1.9.1 of the NPDES Permit, the Town has attached documentation in Appendix D supporting Lakeville's eligibility determination of Criterion B with regard to federal Endangered and Threatened Species and Critical Habitat Protection. Criterion B states that, "under section 7 of the ESA, the consultation resulted in either a no jeopardy opinion (formal consultation) or a written concurrence by USFWS on a finding that the stormwater discharges and MA MS4 General Permit Appendix C Page 3 of 7 discharge related activities are "not likely to adversely affect" listed species or critical habitat (informal consultation). In this case, USFWS provided a letter in place of a concurrence letter for informal consultation.

The attachments in Appendix D include the aforementioned letter, as well as the results of the IPaC environmental review process. Using the IPaC environmental review process, two endangered species have been identified within Lakeville's boundaries: the Northern Long-Eared Bat and the Plymouth Redbelly Turtle. Neither the Northern Long-eared Bat nor the Plymouth Redbelly Turtle's critical habitats are located within the Town. The MS4 Permit activities will not adversely affect these species within the MS4 area.

2.3 Documentation Regarding Historic Properties

The Town has attached documentation in Appendix E supporting their eligibility determination regarding Historic Properties, in compliance with part 1.9.2 of the Permit. This document, Appendix D of the Massachusetts General MS4 Permit, includes information supporting Lakeville's determination as Criterion A, stating that the discharges do not have the potential to cause effects on historic properties.

Historic site considerations will be evaluated further as part of the design/permitting of new/retrofit BMPs proposed for implementation as part of MS4 compliance. Regarding the National Historic Preservation Act, under 36 CFR 800, this facility is an existing facility authorized by the previous Permit, and is not undertaking any activity involving subsurface land disturbance less than 1 acre. This MS4 Permit will have "no potential to cause effects," in accordance with 36 CFR 800.3(a)(1).

2.4 Documentation Regarding Discharges

Attached in Appendix F is the documentation for tracking any new or increased discharges granted by MassDEP in compliance with part 2.1.2 of the Permit. At this time, the Town of Lakeville has no new and/or increased discharges. Lakeville will document any new and/or increased discharges on the form provided in Appendix F and include project specific information regarding best management practices implemented for those discharges. A sample discharges form is provided in Appendix F.

2.5 Sanitary Sewer Overflow (SSO) Inventory

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. The verbal notification should be followed up 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.

As of October 2018, there are no known SSOs that discharge to the MS4. An inventory of all known locations where SSOs have discharged to the MS4 will be maintained by the

Town if any are found. This inventory shall include SSOs resulting from inadequate conveyance capacities, or where interconnectivity of the storm and sanitary sewer infrastructure allows for connection of flow between the systems. A sample inventory form is provided in Appendix G and includes the following information:

1. Location (approximate street crossing/address and receiving water, if any);
2. A clear statement of whether the discharge entered a surface water directly or entered the MS4;
3. Date(s) and time(s) of each known SSO occurrence (i.e., beginning and end of any known discharge);
4. Estimated volume(s) of the occurrence;
5. Description of the occurrence indicating known or suspected cause(s);
6. Mitigation and corrective measures completed with dates implemented; and
7. Mitigation and corrective measures planned with implementation schedules.

2.6 IDDE Program and Bylaws

The Town's IDDE plan will developed during the first year of the new permit (i.e., by June 30, 2019). The IDDE program is detailed in section 3.3 of Minimum Control Measures. The Town's Stormwater Management and Erosion Control Bylaw and current Illicit Discharge Bylaw are provided in Appendix H.

2.7 Sediment and Erosion Control Procedures

Written procedures for the Town's site inspections and enforcement of sediment and erosion control procedures in accordance with part 2.3.5 of the Permit, Construction Site Stormwater Runoff Control, are detailed in sections 3.4 and 3.5, Minimum Control Measures. This information includes the party responsible for site inspections and implementation of procedures.

2.8 Public Drinking Water Supply Sources Protection

The Town has developed practices in effort to avoid or minimize impacts to surface public drinking water supply sources. These efforts are detailed in Minimum Control

Measures section 3.6, Good House Keeping and Pollution Prevention. The Town plans to prioritize the enforcement of the existing stormwater pollution prevention plans.

2.9 Activities to Monitor Discharges

The Town will identify any discharges within surface public drinking water supply source areas and give priority to outfall inspections and screening required of the Minimum Control Measures in section 3.0.

2.10 Annual Program Evaluation

To comply with part 4.1 of the Permit, the Town annually self-evaluates compliance with the terms and conditions of the Permit and submits each self-evaluation as part of the Fiscal Year annual report. The 2018 NPDES Phase II Small MS4 General Permit Annual Report is attached as Appendix I.

3.0 MINIMUM CONTROL MEASURES

In effort to reduce pollutants and comply with part 2.3 of the Permit, the Town focuses on the following minimum control measures. These sections describe the Town's practices to comply with each control measure, the responsible person(s) or party of each practice, and the goal(s) for each BMP of each control measure. The BMPs for each of the six minimum control measures are outlined in the forms provided in Appendix J.

3.1 Public Education and Outreach

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, permit part 2.3.2, is to increase knowledge and change behavior of the public so that the pollutants in stormwater are reduced.

The Town implemented a public education program as required by the 2003 permit and will continue that program and make the necessary adjustments to meet the additional requirements of the 2016 permit.

The program must include the education of the following four audiences: 1. residents, 2. businesses, institutions (churches, hospitals), and commercial facilities, 3. developers (construction), and 4. industrial facilities.

3.1.1 Background

The Town of Lakeville has continued to make progress on public education and outreach efforts through encouraging recycling of hazardous materials at the transfer station and holding informational meetings on current stormwater projects. The Highway Department, Conservation Commission, Town Clerk, Board of Health, Building Department, Planning Board, Assessors Office, Town Administrator, Parks Commission, and School Department all share responsibilities for public education and outreach. Transfer station employees encourage residents to recycle hazardous materials. The Town has also mailed out brochures on water conservation practices to all residents and businesses and has maintained a stormwater website. Additional education and outreach related to the pathogen and nitrogen impairments of the Taunton River watershed will be a primary effort of the Board of Health in the future to comply with Permit requirements.

3.1.2 Best Management Practices

- I. Distribution of a minimum of two (2) educational messages over the permit term to the required audiences, as listed below.
 - A. Residents
 1. Develop/maintain stormwater website.
 2. Keep outreach materials at Town Hall and publish on stormwater website, utilizing materials from the DEP, EPA, and relevant stormwater collaborative.
 3. Consider creating a Town Resident Notification System for stormwater alerts.
 4. Distribute New Resident packets to residents within Wetland Protection Areas.
 5. Distribute pet waste control information to residents when they (re)apply for a pet license.
 6. Distribute information to septic maintenance contractors.
 7. Install educational boards/signs in parks, public open space, near wetlands, etc.
 8. Continue storm drain stenciling program.
 - B. Businesses, Institutions, and Commercial Facilities
 1. Include stormwater information in permit materials.
 2. Make information available on stormwater website and at Town Hall.
 - C. Developers (Construction)
 1. Include stormwater information in permit materials.
 2. Make information available on stormwater website and at Town Hall.
 3. Attach stormwater outreach materials as an appendix to building and site plan review permit applications.
 - D. Industrial Facilities
 1. Distribute stormwater information to industrial groups based on zoning and property use.
 2. Make information available on the stormwater website and at Town Hall.

3.2 Public Involvement and Participation

The objective of the public involvement and participation control measure, permit part 2.3.3., is for the Town to provide the public with opportunities to engage in activities that promote good stormwater practices. The public must also be given the chance to review the Stormwater Management Plan (SWMP) and its implementation.

3.2.1 Background

The Lakeville Highway Department, Town Administrator, and Conservation Commission are working to identify and name local unnamed streams with perennial flow.

The Open Space Committee is also planning to establish a River Action Focus Team and Nominate Assonet Cedar Swamp as an ACEC once they have acquired time and financial resources. The Highway Department continues to coordinate with neighboring towns to participate in their hazardous waste collection days, however the Town of Lakeville plans to pursue funding in the future for regional hazardous waste collection days.

3.2.2 Best Management Practices

- I. Public Review
 - A. Stormwater Management Plan Review (SWMP)
 - 1. Make SWMP available at least annually for public review.
- II. Public Participation
 - A. Use Stormwater Website to public SWMP and annual reports. Website should contain a space for electronically soliciting public comments.
 - 1. Make a physical copy available at Town Hall and at the Highway Department.
 - B. Participate in local stormwater groups/associations.
 - C. Maintain/Acquire membership with local stormwater group (e.g. The Taunton River Watershed Alliance and Southeastern Massachusetts Stormwater Collaborative).
 - D. Engage in and host local events that are open to and advertised to the public (e.g. DPW open house)
 - E. Continue to host hazardous waste collection days.
 - F. Continue to host Town clean-up days with various groups. Clean-up sites include rivers, roadsides, open spaces, etc.
 - 1. Establish volunteer Stormwater Management Task Force for clean-ups, maintenance, etc.
 - G. Continue to work towards nominating Cedar Swamp as an area of critical environmental concern (ACEC).
 - H. Establish volunteer Stormwater Management Task Force for cleanups and maintenance.
 - I. Publish a contact on the Stormwater Website for soliciting complaints, questions, etc.

3.3 Illicit Discharge Detection and Elimination (IDDE) Program

The Town shall put an IDDE program, permit part 2.3.4, into place in order to find and eliminate non-stormwater discharge sources to its MS4 system. Procedures shall be implemented to fix any prevalent issues in the Town's storm sewer system. As identified in the Notice of Intent (NOI), attached in Appendix B, the following 32 outfall structures

listed in the table below discharge to the Town of Lakeville MS4 area. These outfall structures are displayed on *Figure 2: MS4 Urbanized Areas*.

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
Cedar Swamp River (MA62-44)	2	<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"/>	
Long Pond (MA62108)	1	<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"/>	Non-point-source pollution
Mullein Hill Chapel Pond (MA62127)	1	<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"/>	
Tammitt Brook	4	<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"/>	
The Reservoir (MA62189)	1	<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"/>	
Unnamed Cranberry Bog at Mullein Hill Chapel Pond (41.81577, -70.97367)	1	<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"/>	
Unnamed Pond near Cedar Swamp River (41.78816, -70.97564)	1	<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"/>	
Unnamed Pond near Poquoy Brook (41.88565, -70.95151)	1	<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"/>	
Unnamed Pond near Tinkham Hill Pond (41.83324, -70.98258)	1	<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"/>	
Unnamed Pond North of Clear Pond (41.87626, -70.93210)	2	<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"/>	
Unnamed Tributary East of The Reservoir (41.86203, -70.92451)	2	<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"/>	
Unnamed Tributary to Cedar Swamp River (41.78721, -70.98498)	2	<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"/>	
Unnamed Tributary to Assawompset Pond (41.85471, -70.93685)	2	<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"/>	
Unnamed Tributary at Mullein Hill Chapel Pond (41.82262, -70.98283)	2	<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"/>	
Unnamed Tributary to Fall Brook (41.78496, -70.98112)	1	<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"/>	
Unnamed Wetlands at Mullein Hill Chapel Pond (41.81465, -70.96870)	2	<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"/>	
Unnamed Wetlands East of The Reservoir (41.86177, -70.93035)	3	<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"/>	
Unnamed Wetlands near Cedar Swamp River (41.78730, -70.98108)	2	<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"/>	
Unnamed Wetlands to Poquoy Brook (41.88547, -70.95010)	1	<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"/>	

3.3.1 Background

As part of the IDDE program, the Town has completed outfall mapping, finalized and implemented the IDDE bylaw, developed a system to identify and eliminate illicit discharges, and established a hotline for reporting illicit discharges. Lakeville joined the Southeastern Massachusetts Stormwater Collaborative to develop and implement a stormwater website to train residents and businesses on illicit discharges. This allowed citizens and Town officials to compile a list of illicit discharges to address. Once funding is available, the Town will establish a plan for surveying mapped outfalls and removing illicit discharges, when found. The Board of Health and contracted consultants are responsible for tasks related to the IDDE program.

3.3.2 Best Management Practices

- I. Legal Authority
 - A. The IDDE program shall include adequate legal authority to prohibit illicit discharges; investigate suspected illicit discharges; eliminate illicit discharges, including discharges from properties not owned by or controlled by the MS4 that discharge into the MS4 system; and implement appropriate enforcement procedures and actions. Adequate legal authority consists of a currently effective ordinance, by-law, or other regulatory mechanism. For permittees authorized by the MS4-2003 permit, the ordinance, by-law, or other regulatory mechanism was a requirement of the MS4-2003 permit and was required to be effective by May 1, 2008. For new permittees the ordinance, by-law, or other regulatory mechanism shall be in place within 3 years of the permit effective date.
- II. SSO Inventory
 - A. Develop SSO Inventory Database within one year of effective permit date that logs historical SSOs that have occurred in the last 5 years.
 - 1. Coordinate with Board of Health/Inspectional Services/Highway Department for tracking of any future SSOs.
- III. Storm Sewer System Map
 - A. Update map within 2 years of effective date of permit and complete full system map 10 years after effective date of permit.
 - 1. Make an electrical and physical copy of the map available to the public via the stormwater website and Town Hall.
 - 2. Map/verify 10% of system per year during permit years 1-10.
 - a) Phase I will be focused on during Years 1 and 2, while Phase II will be focused on during Years 3 thru 10.
 - 3. Integrate system map updates with planned sewer expansion projects.
 - 4. Delineate catchment areas for each outfall discharging to a water body.
 - 5. Designate mapping and sampling priority areas in impaired water bodies.
- IV. Written IDDE Program Development
 - A. Develop and complete written IDDE program within 1 year of effective permit date. The IDDE program and permit attachments will be available at Lakeville Town Hall, 346 Bedford Street, Lakeville, MA, 02374.
- V. Implement IDDE Program
 - A. Implement catchment investigations according to program and permit conditions.
 - 1. Continue to enforce IDDE bylaw.
 - 2. Draft and implement stormwater management regulations.
 - 3. Coordinate water quality monitoring with dry weather screening
 - a) New monitoring system should include surveying for illicit discharge detection.
- VI. Employee Training
 - A. Coordinate annual stormwater training and incorporate with training required in Section 6.2.IV.B.

VII. Dry Weather Screening

- A. Conduct screening in accordance with outfall screening procedure and permit conditions.
 - 1. Acquire funding and plan activities to survey all mapped outfalls identified as having illicit discharges.
 - 2. Screen 25% of outfalls per year during permit years 2-5.

VIII. Conduct Wet Weather Screening

- A. Conduct screening in accordance with outfall screening procedure and permit conditions and as determined by dry weather screening results.

IX. Conduct ongoing screening as necessary upon completion of the IDDE program.

3.4 Construction Site Stormwater Runoff Control

The Town must implement a program focused on controlling stormwater runoff from construction sites. The program shall minimize or eliminate erosion on site and maintain the site so that the sediment is not transported in stormwater or allowed to discharge to a water of the U.S. through the permittee's MS4, as stated in part 2.3.5 of the Permit.

3.4.1 Background

Lakeville has finalized and implemented a Construction Site Runoff by-law to control erosion and sediment transport into the stormwater system. In order to comply with the SWPPP and Erosion and Sediment Control Plans, the Lakeville Conservation Commission will continue to implement the site inspection program on active construction sites. Lakeville's Conservation Commission, Building Department, contracted consultants and the Planning Board are all responsible for the completion of BMPs related to construction site stormwater runoff control.

3.4.2 Best Management Practices

- I. Site Inspection and Enforcement of Erosion and Sediment Control (ESC) Measures.
 - A. Complete written procedures of site inspections and enforcement procedures within 1 year of effective date of the permit.
 - 1. Recommend standards and practices for town inspection procedures. Seek input from relevant town groups (Conservation Commission, Planning Board, Stormwater Coordinator, etc.)

2. Develop inspection form that includes ESC measures and integrate them with existing Town forms.
- II. Site Plan Review
 - A. Complete written procedures of site plan review and begin implementation.
 1. Include site plan review workflow chart with permit applications within 1 year of effective date of the permit.
 2. Review current Town procedure regarding when a Construction General Permit (CGP) is needed.
- III. Erosion and Sediment Control Ordinance
 - A. Adoption of requirements for construction operators to implement a sediment and erosion control program within 1 year of effective date of the permit.
 1. Set limit of 1 acre before project requires inspection by Town official.
 - a) Coordinate limits and requirements with fill/extraction permits.
 2. Update all Town forms with erosion and sediment control checklist.
 3. Continue to enforce Constitution Site Runoff and Erosion Control By-laws.
- IV. Waste Control
 - A. Adoption of requirements to control wastes, including but not limited to, discarded building materials, concrete truck wash out, chemicals, litter, and sanitary wastes within 1 year of effective date of the permit.
 1. Incorporate into Town's general conditions for building permit and/or site plan review.
 2. Review and modify Town bylaw to meet new requirements.

3.5 Post Construction Stormwater Management in New Development and Redevelopment

The objective of an effective post construction stormwater management program, part 2.3.6 of the Permit, 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.

3.5.1 Background

The Town has completed and enacted a by-law on Post-Construction Site Runoff Control and have been conducting site plan reviews and site inspections to verify that stormwater BMPs have been constructed as approved. The Town plans to continue implementing this by-law in the future. These practices are under the responsibility of the Building Department, the Planning Board, the Highway Department, the Town Administrator, and contracted consultants.

3.5.2 Best Management Practices

- I. Post-Construction Ordinance
 - A. The permittee shall develop or modify, as appropriate, an ordinance or other regulatory mechanism within two (2) years of the effective date of the permit.
- II. As-Built Plans For On-Site Stormwater Control
 - A. Require submission of electronic data for as-built drawings (e.g. PDF, AutoCAD, GIS) within 2 years of completed construction.
 1. O&M certification should include contact and contract information for contractors that perform O&M on the private BMPs.
- III. Inventory and Priority Ranking of MS4-Owned Properties That May Be Retrofitted with BMPs
 - A. Conduct detailed inventory of MS4 owned properties and rank for retrofit potential within 4 years of permit effective date.
 1. Inventory Town parcels for existing stormwater BMPs and identify opportunities for GI/LID retrofits.
 - a) Include schools, parks, recreation facilities, police/fire/EMS, libraries, public works, and town administrative offices.
- IV. Allow Green Infrastructure
 - A. Within 4 years of permit effective date, develop a report assessing existing local regulations to determine the feasibility of making green infrastructure practices allowable when appropriate site conditions exist
 1. Review bylaws and applications in order to incorporate green infrastructure and low impact development language as needed.
 2. Educate the public on green infrastructure through existing BMP retrofits/demonstration projects.
- V. Street Design and Parking Lot Guidelines
 - A. Within 4 years of permit effective date, 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
 1. Publish street design and parking lot guidelines on stormwater website.
- VI. Ensure any stormwater controls or management practices for new development and redevelopment will prevent or minimize impacts to water quality
 - A. Within 2 years of permit effective date, adopt, amend, or modify regulation mechanisms to meet permit requirements.
 1. Review rules and regulations and modify as needed. Include evaluation of subdivision/redevelopment requirements for long-term operations and management of private BMPs.
 2. Continue to implement Post-Construction Site Runoff Control Bylaw.

3.6 Good House Keeping and Pollution Prevention for Permittee Owned Operations

An operations and maintenance program must be implemented by the Town for Town-owned operations. The program shall focus on preventing or reducing pollutant runoff and protecting water quality from Town operations.

3.6.1 Background

Lakeville recently joined the Southeastern Regional Services Group (SERSG) and the Southeastern Massachusetts Stormwater Collaborative, through which a training session was conducted for Highway employees. The Town requires more funding to continue these training sessions. The Lakeville Highway Department has been requesting funding for SWPPP development, however the request continues to be denied. A SWPPP will need to be developed in conjunction with the new MS4 permit. Funding is lacking for development of the O&M program for town-owned structural stormwater BMPs. Once funding is obtained, the Town will implement O&M plans at Town owned facilities. The Lakeville Highway Department, Parks Department, Building Department, School Department, contracted consultants, and Town Administrator are all responsible for conducting good house keeping and pollution prevention BMPs.

3.6.2 Best Management Practices

- I. Create written O&M procedures for parks and open spaces, buildings and facilities, and vehicles and equipment within 2 years of permit effective date.
- II. Inventory all permittee-owned parks and open spaces, buildings and facilities (including their storm drains), and vehicles and equipment within 2 years of permit effective date.
 - A. Develop a capital improvement plan that deals with flooding prevention measures and water quality improvements.
 1. Coordinate implementation with Section 5.2.II
- III. Establish and implement program for repair and rehabilitation of MS4 infrastructure within 2 years of permit effective date.
 - A. Inspect assets and assess condition to develop program
 - B. Review annual budget to set aside funding.
- IV. Stormwater Pollution Prevention Plan (SWPPP) For Maintenance Garages, Transfer Stations and Other Waste-Handling Facilities
 - A. Develop plan within 2 years of permit effective date.
 - B. Schedule annual employee training.

1. Look into workshop and speaking opportunities and seek formal training for all departments
- C. Develop an asset management system to process complaints, permits, inspections, and maintenance.
- V. Catch Basin Cleaning
 - A. Develop and maintain a cleaning schedule.
 - B. Develop electronic data collection system for tracking, inspection, and maintenance.
 1. Update catch basin cleaning services RFP requirements to require electronic data collection that is compatible with the Town's GIS and asset management system.
- VI. Street Sweeping Program
 - A. Continue to implement street sweeping program.
- VII. Road Salt use Optimization Program
 - A. Continue working on salt reduction strategies.
 1. Calibrate spreaders to reduce salt use.
- VIII. Annual inspections and maintenance of stormwater treatment structures.

4.0 WATER QUALITY BASED REQUIREMENTS

In compliance with the Clean Water Act (CWA), each state must administer a program to monitor and assess the quality of its surface and groundwater. Section 305(b) process of the CWA entails assessing each use for rivers, lakes, and coastal waters, and causes and sources of impairment are identified wherever possible. Section 303(d) of the CWA along with the regulations at 40 CFR 130.7 requires states to identify those water bodies that are not expected to meet surface water quality standards (SWQS) after the implementation of technology based controls, and prioritize them for the development of Total Maximum Daily Loads (TMDLs). A TMDL establishes the maximum amount of a pollutant that may be introduced into a water body and still ensure attainment and maintenance of water quality standards. The 303(d) *List of Impaired Waters* (303(d) List) lists each water body in one of the following five categories:

- 1) Unimpaired and not threatened for all designated uses;
- 2) Unimpaired for some uses and not assessed for others;
- 3) Insufficient information to make assessments for any uses;
- 4) Impaired or threatened for one or more uses, but not requiring the calculation of a TMDL; or
- 5) Impaired or threatened for one or more uses and requiring a TMDL.

Waters listed in Category 5 constitute the 303(d) List and are to be reviewed and approved by the EPA. An abbreviated version of *Table 1: Impaired Waters, TMDLs and Impairments* is shown below, and is also represented in Appendix B, the Notice of Intent. An overall map of the Town of Lakeville's stormwater system is attached as *Figure 4: Stormwater System Map*.

Category	Name	Segment ID	Impairment Cause
5 - "Water Requiring a TMDL"	Unnamed Tributary	MA62-42	Acquatic Macroinvertebrate Bioassessments
			Fishes Bioassessments
4c - "TMDL is not Required"	Long Pond	MA62108	(Non-Native Acquatic Plants*)

4.1 Background

These best management practices aim to improve and mitigate stormwater water quality impairments. This program will mainly focus on impaired waters requiring a TMDL (Category 5) in the Taunton River Watershed located in Lakeville, shown on *Figure 3: Town Watersheds*. These measures will also include requirements pertaining to the Buzzards Bay Watershed, as a very small portion of the Lakeville MS4 Urbanized Area is located within that watershed.

A small area of Lakeville's MS4 Urbanized Area, just east of Long Pond and west of Little Quittacas Pond, is located within the Buzzards Bay Watershed. While there are no Category 5 waters within this area of Town, this watershed has a watershed-wide EPA approved bacteria TMDL for Pathogens. This TMDL requires Lakeville to follow the below bacteria and pathogen requirements for any discharges within the Buzzards Bay Watershed in Lakeville. This area can be seen on *Figure 3 – Town Watersheds*. There are no mapped water bodies within this area of Lakeville.

The Taunton River Watershed, covering the vast majority of the Town, has a watershed-wide approved TMDL for nitrogen. This impairment requires Lakeville to follow specific requirements listed under Appendix H of the Permit to mitigate nitrogen discharges from MS4s to the Taunton River Watershed. It should be a priority for the Town to sample for nitrogen from discharges within the Taunton River Watershed.

As shown in *Table 1 – Impaired Waters, TMDLs and Impairments*, the only category 5 water in Lakeville is an Unnamed Tributary (segment MA62-42) which discharges to the Cedar Swamp River. This tributary has an impairment for aquatic macroinvertebrate bioassessments and fishes bioassessments, and therefore does not have specific requirements for TMDL waste load allocations. This Unnamed Tributary should be a priority for outfall screening and sampling BMP efforts. Long Pond, located across Lakeville and Freetown, is a category 4C water (where the impairment was not caused by a pollutant) for non-native aquatic plants. A TMDL is not required for Long Pond.

4.2 Best Management Practices

Nitrogen TMDL Requirements

1. *Any discharges from MS4s in Massachusetts to waters that are tributaries to the Long Island Sound, which has an approved TMDL for nitrogen, are subject to the requirements below:*
 - a. *Enhanced BMPs*
 - i. *Public Education and Outreach*
 1. *Supplement residential and business/commercial/institution program with annual timed messages on proper use and disposal of grass clippings, fertilizers, leaf litter, etc.*
 2. *Stormwater Management in New Development and Redevelopment*
 - a. *BMPs to be optimized for nitrogen removal.*
 3. *Good House Keeping and Pollution Prevention*
 - a. *Establish requirements for slow release fertilizers on permittee owned property using fertilizer, in addition to reducing and managing fertilizer use.*
 4. *Nitrogen Source Identification Report*
 - a. *Final Report to be submitted to EPA as part of the Year 4 annual report.*
 5. *Structural BMPs*
 - a. *Evaluate properties identified as presenting retrofit opportunities or areas for structural BMP installation within 5 years of effective date of permit.*
 6. *Update SWMP with any revisions, modifications, withdraws of the TMDL.*

TABLE 1

IMPAIRED WATERS, TMDLS AND IMPAIRMENTS

FOR COMMENT

Town of Lakeville, Massachusetts								
Massachusetts Year 2014 Integrated List of Waters								
Impaired Waters								
Category	Name	Segment ID	Description	Size	Units	Impairment Cause	EPA TMDL NO.	Comments
5 - "Water Requiring a TMDL"	Unnamed Tributary	MA62-42	Headwaters, south off Slab Bridge Road (in Cedar Swamp portion of Freetown-Fall River State Forest), Freetown to confluence with the Cedar Swamp River, Lakeville.	4.012	MILES	Aquatic Macroinvertebrate Bioassessments		
						Fishes Bioassessments		
4c - "TMDL is not Required"	Long Pond	MA62108	Lakeville/Freetown	1741.496	ACRES	(Non-Native Aquatic Plants*)		
Additions - 2016 Integrated List of Waters								
						*TMDL not required (Non-pollutant)		

FIGURE 1
SYSTEM LOCUS

FOR COMMENT

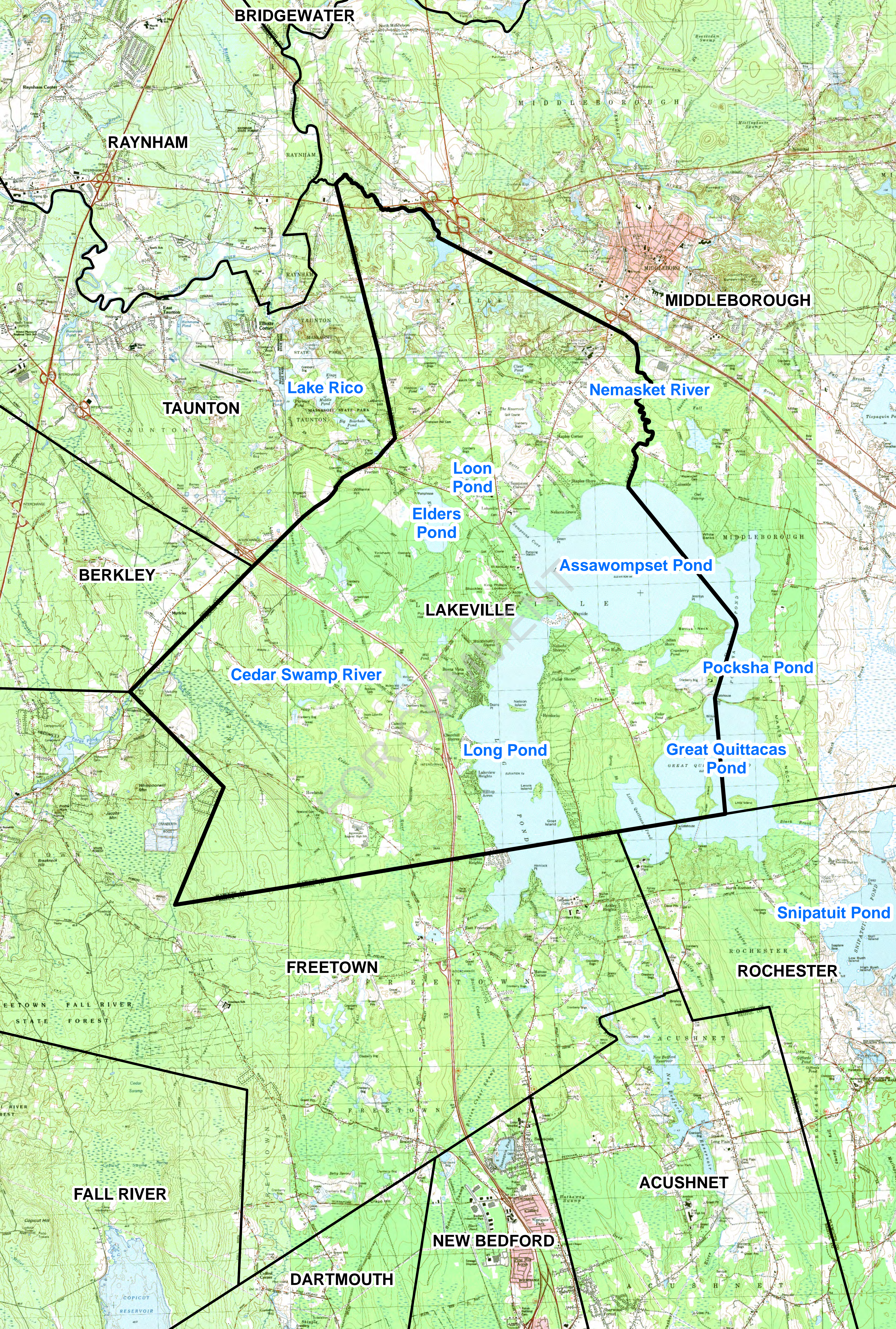
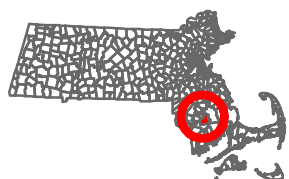
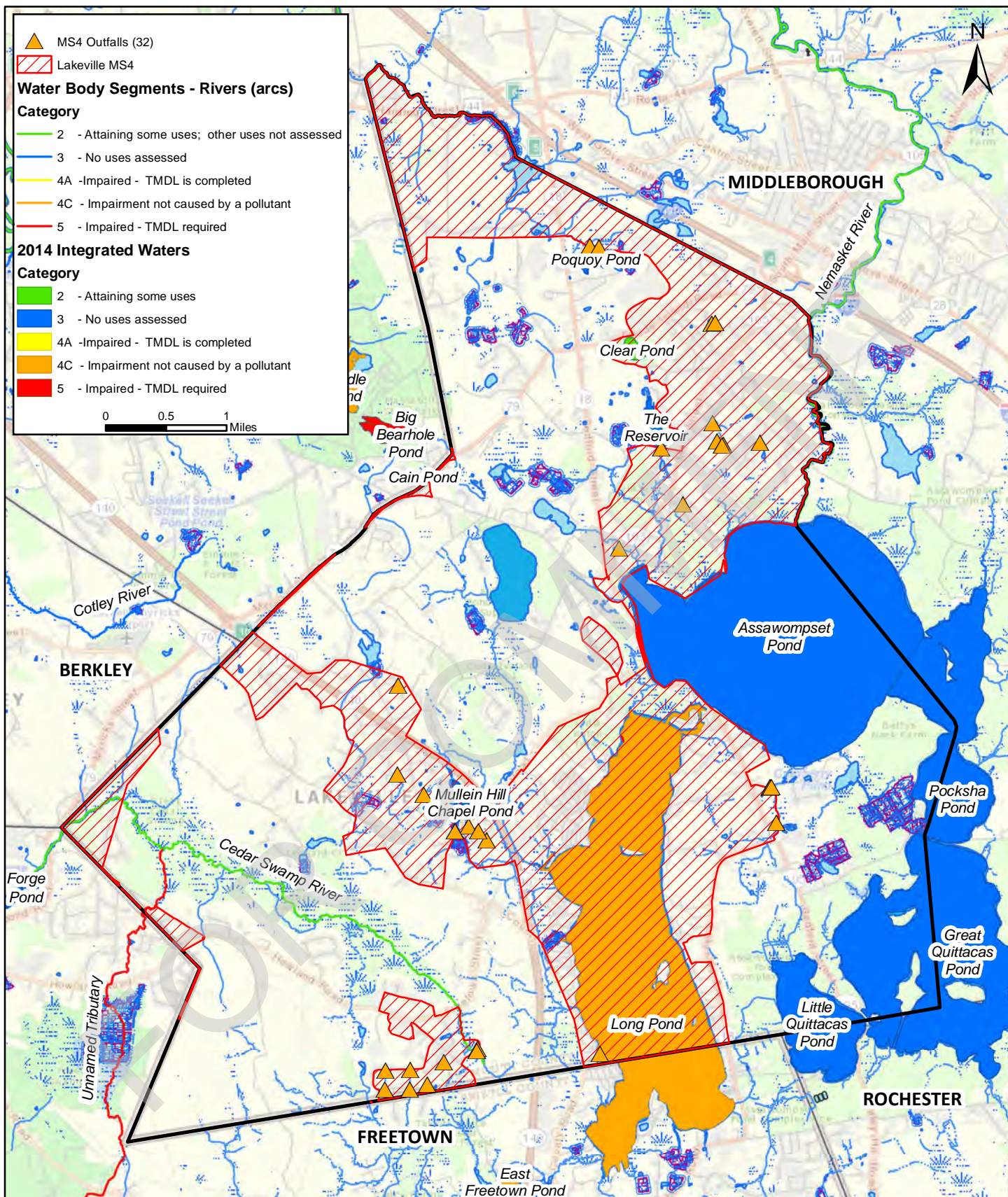


FIGURE 2

MS4 URBANIZED AREAS

FOR COMMENT



**Figure 2: MS4 Urbanized Areas
Lakeville, Massachusetts
November 2018**




FIGURE 3

TOWN WATERSHEDS


FOR COMMENT

Legend




Surface Public Drinking Water Supply Source

Watersheds



Buzzards Bay



Taunton

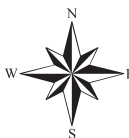
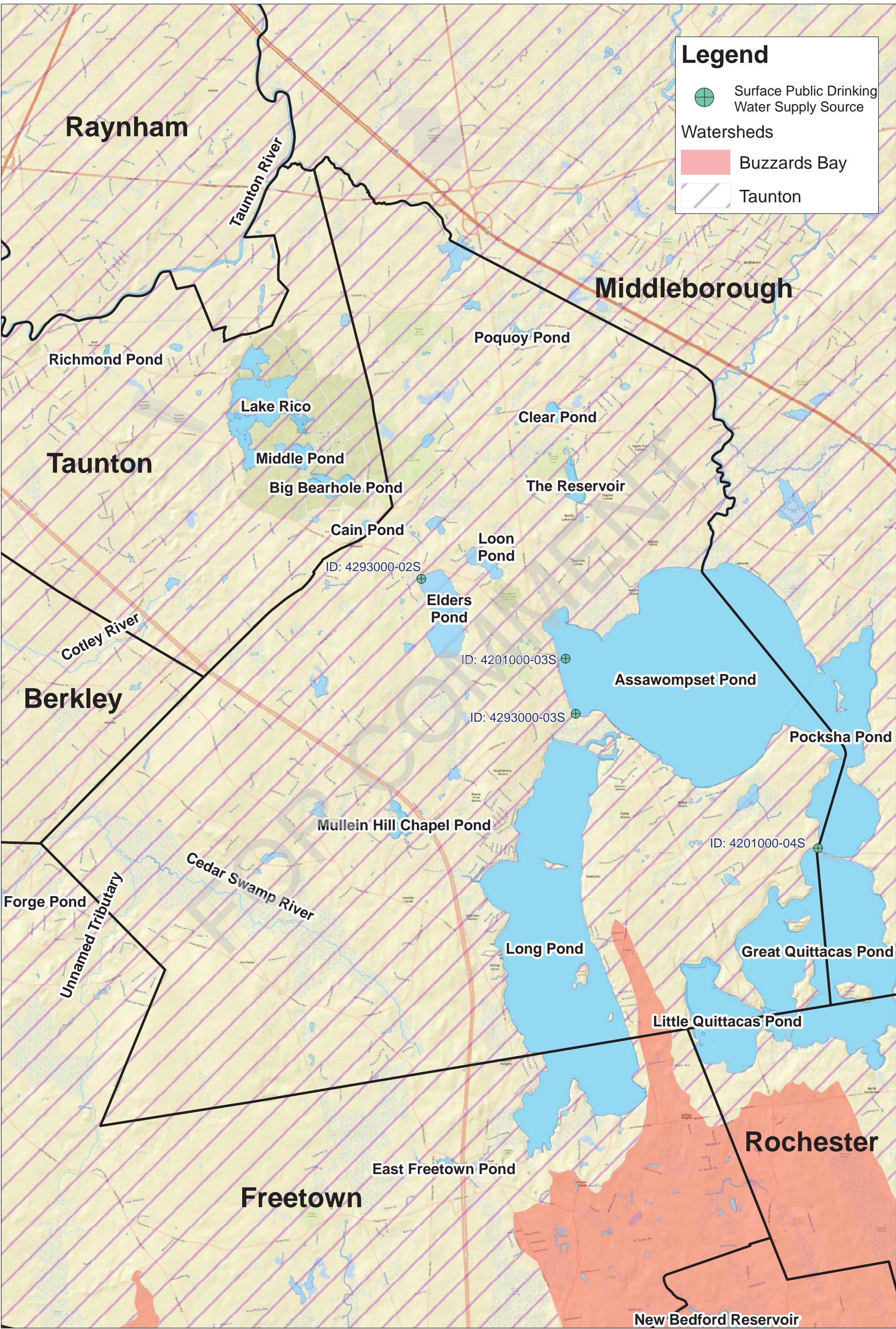
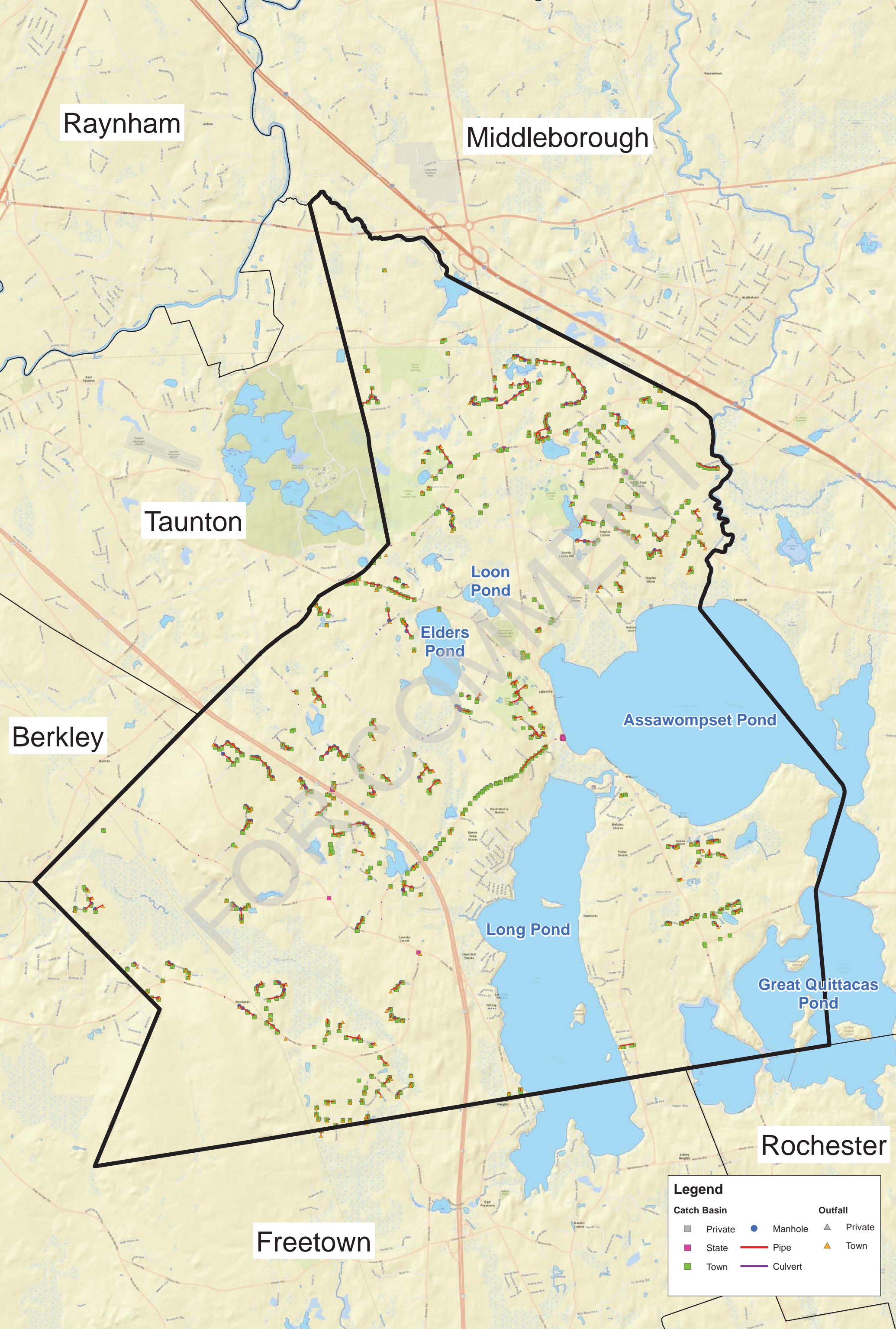


Figure 3: Town Watersheds
Lakeville, MA

FIGURE 4
STORMWATER SYSTEM MAP

FOR COMMENT



Legend

Catch Basin

- Private
- State
- Town

Outfall

- Manhole
- Pipe
- Culvert
- Private
- Town

APPENDIX A

MA MS4 HYPERLINKS AND REFERENCES

FOR COMMENT

MA MS4 General Permit Hyperlinks

EPA MA MS4 Permit: <https://www.epa.gov/npdes-permits/massachusetts-small-ms4-general-permit>

DEP Permit Information:

<http://www.mass.gov/eea/agencies/massdep/water/wastewater/stormwater.html#8>

Town Hyperlink: <http://www.lakevillema.org/>

MCM 1: Public Education and Outreach

EPA's Stormwater Education Toolbox

MassDEP's Stormwater Outreach Materials

Other templates relevant to MCM 1 can be found here:

<https://www.epa.gov/npdes-permits/stormwater-tools-new-england#peo>

MCM 3: Illicit Discharge Detection and Elimination (IDDE) Program

IDDE Program Template and SOPs

Other templates relevant to IDDE can be found here:

<https://www.epa.gov/npdes-permits/stormwater-tools-new-england#idde>

MCM 4: Construction Site Stormwater Runoff Control

Examples and templates relevant to MCM 4, including model ordinances and site inspection templates, can be found here:

<https://www.epa.gov/npdes-permits/stormwater-tools-new-england#csrc>

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

Examples and templates relevant to MCM 5, including model ordinances and bylaw review templates and guidance can be found here:

<https://www.epa.gov/npdes-permits/stormwater-tools-new-england#pcsm>

MCM 6: Good Housekeeping and Pollution Prevention for Permittee Owned Operations

Examples and templates relevant to MCM 6, including SOP templates for catch basin cleaning, street sweeping, vehicle maintenance, parks and open space management, winter deicing, and Stormwater Pollution Prevention Plans can be found here:

<https://www.epa.gov/npdes-permits/stormwatertools-new-england#gh>

APPENDIX B
NOTICE OF INTENT

FOR COMMENT

Notice of Intent (NOI) for coverage under Small MS4 General Permit Page 1 of 20

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? Effective Date or Estimated Date of Adoption (MM/DD/YY):

Construction/Erosion and Sediment Control (ESC) Authority Adopted? Effective Date or Estimated Date of Adoption (MM/DD/YY):

Post- Construction Stormwater Management Adopted? Effective Date or Estimated Date of Adoption (MM/DD/YY):

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

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

[illegible]

[Click to lengthen table](#)

Click to lengthen table

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

Part III: Stormwater Management Program Summary

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

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

MCM 1: Public Education and Outreach

BMP Media/Category (enter your own text to override the drop down menu)	BMP Description	Targeted Audience	Responsible Department/Parties (enter your own text to override the drop down menu)	Measurable Goal	Beginning Year of BMP Implementation
Brochures/Pamphlets	Publish outreach materials; Distribute new resident packets to residents within Wetland Protection Areas; Distribute pet waste control information to residents when they (re)apply for a pet license; distribute information to septic maintenance contractors.	Residents	Highway Dept. / Conservation / Town Clerk / Board of Health	Distribute at least two educational messages within the permit term (5 years)	2018
Brochures/Pamphlets	Include information in permit materials.	Businesses, Institutions and Commercial Facilities	Building Dept.	Distribute at least two educational messages within the permit term (5 years)	2018
Brochures/Pamphlets	Include information in permit materials; Review and Update application forms to meet the new requirements.	Developers (construction)	Building Dept. / Planning Board	Distribute at least two educational messages within the permit term (5 years)	2018
Brochures/Pamphlets	Distribute information to industrial groups based on zoning and property use.	Industrial Facilities	Building Dept. / Planning Board / Assessors	Distribute at least two educational messages within the permit term (5 years)	2018

[illegible]

FOR COMMENT

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

Part III: Stormwater Management Program Summary (continued)

MCM 2: Public Involvement and Participation

BMP Categorization	Brief BMP Description (enter your own text to override the drop down menu)	Responsible Department/Parties (enter your own text to override the drop down menu)	Additional Description/ Measurable Goal	Beginning Year of BMP Imple- mentation
Public Review	SWMP Review	Highway Dept. / Town Administrator	Allow annual review of stormwater management plan and posting of stormwater management plan on website	2019
Public Participation	SWMP Review	Highway Dept. / Town Administrator	Allow public comment on SWMP	2019
Public Participation	Partnership - Advocacy Groups	Conservation Committee / Town Administrator	Maintain/acquire membership with local stormwater groups (Southeastern Massachusetts Stormwater Collaborative, Taunton River Watershed Alliance,).	2018
Public Participation	Local Events	Highway Dept.	Engage in and host local events that are open to and advertised to the public (DPW Open House).	2018
Public Participation	Household haz. waste/used oil collection	Highway Dept.	Continue to host Town hazardous waste collection days with various groups.	2018
Public Participation	Cleanups - Roadside/General	Highway Dept. / Conservation	Continue to host Town clean-up days with various groups.	2018
Public Participation	Stormwater Committee/Task Force	Conservation Committee	Continue to work towards nominating Cedar Swamp as an area of critical environmental concern (ACEC).	2018
Public Participation	Stormwater Committee/Task Force	Conservation Committee	Continue to research the naming of streams.	2018

[illegible]

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

Part III: Stormwater Management Program Summary (continued)

MCM 3: Illicit Discharge Detection and Elimination (IDDE)

BMP Categorization (enter your own text to override the drop down menu)	BMP Description	Responsible Department/Parties (enter your own text to override the drop down menu)	Measurable Goal (all text can be overwritten)	Beginning Year of BMP Implementation
SSO inventory	Develop SSO inventory in accordance of permit conditions	Board of Health / Consultant	Complete within 1 year of effective date of permit	2018
Storm sewer system map	Create map and update during IDDE program completion	Highway Dept. / Consultant	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	Highway Dept. / Consultant	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	Highway Dept. / Consultant	Complete 10 years after effective date of permit	2018
Employee training	Train employees on IDDE implementation	Highway Dept. / Consultant	Train annually	2018
Conduct dry weather screening	Conduct in accordance with outfall screening procedure and permit conditions	Highway Dept. / Consultant	Complete 3 years after effective date of permit	2018
Conduct wet weather screening	Conduct in accordance with outfall screening procedure	Highway Dept. / Consultant	Complete 10 years after effective date of permit	2018
Ongoing screening	Conduct dry weather and wet weather screening (as necessary)	Highway Dept. / Consultant	Complete ongoing outfall screening upon completion of IDDE program	2018

[illegible]

Notice of Intent (NOI) for coverage under Small MS4 General Permit**Part III: Stormwater Management Program Summary (continued)****MCM 4: Construction Site Stormwater Runoff Control**

BMP Categorization (enter your own text to override the drop down menu or entered text)	BMP Description	Responsible Department/Parties (enter your own text to override the drop down menu)	Measurable Goal (all text can be overwritten)	Beginning Year of BMP Implementation
Site inspection and enforcement of Erosion and Sediment Control (ESC) measures	Complete written procedures of site inspections and enforcement procedures	Conservation / Building Dept. / Consultant	Complete within 1 year of the effective date of permit	2018
Site plan review	Complete written procedures of site plan review and begin implementation	Building Dept. / Planning Board / Consultant	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	Conservation / Building Dept. / Planning Board	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	Conservation / Building Dept. / Planning Board	Complete within 1 year of the effective date of permit	2018

[illegible]

Notice of Intent (NOI) for coverage under Small MS4 General PermitPart 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	Building Dept. / Planning Board / Highway Dept.	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	Highway Dept. / Town Administrator / Consultant	Complete 4 years after effective date of permit and report annually on retrofitted properties	2018
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	Building Dept. / Planning Board / Consultant	Complete 4 years after effective date of permit and implement recommendations of report	2018
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.	Building Dept. / Planning Board / Consultant	Complete 4 years after effective date of permit and implement recommendations of report	2018

[illegible]

Notice of Intent (NOI) for coverage under Small MS4 General Permit**Part III: Stormwater Management Program Summary (continued)****MCM 6: Municipal Good Housekeeping and Pollution Prevention**

BMP Categorization (enter your own text to override the drop down menu or entered text)	BMP Description	Responsible Department/Parties (enter your own text to override the drop down menu)	Measurable Goal (all text can be overwritten)	Beginning Year of BMP Implementation
O&M procedures	Create written O&M procedures including all requirements contained in 2.3.7.a.ii for parks and open spaces, buildings and facilities, and vehicles and equipment	Highway / Parks Dept. / Building Dept. / School Dept. / Consultant	Complete and implement 2 years after effective date of permit	2018
Inventory all permittee-owned parks and open spaces, buildings and facilities, and vehicles and equipment	Create inventory	Highway Dept. / Town Administrator / Consultant	Complete 2 years after effective date of permit and implement annually	2018
Infrastructure O&M	Establish and implement program for repair and rehabilitation of MS4 infrastructure	Highway Dept. / Consultant	Complete 2 years after effective date of permit	2018
Stormwater Pollution Prevention Plan (SWPPP)	Create SWPPPs for maintenance garages, transfer stations, and other waste-handling facilities	Highway Dept. / Consultant	Complete and implement 2 years after effective date of permit	2018
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	Highway Dept. / Consultant	Clean catch basins on established schedule and report number of catch basins cleaned and volume of material moved annually	2018
Street sweeping program	Sweep all streets and permittee-owned parking lots in accordance with permit conditions	Highway Dept. / Consultant	Sweep all streets and permittee-owned parking lots once per year in the spring	2018
Road salt use optimization program	Establish and implement a program to minimize the use of road salt	Highway Dept.	Implement salt use optimization during deicing season	2018

[illegible]

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

Part III: Stormwater Management Program Summary (continued)

Actions for Meeting Total Maximum Daily Load (TMDL) Requirements

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

[illegible]

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.**

[illegible]

Part IV: Notes and additional information

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

Attachments:

Figure - MS4 Outfalls

Figure - Town Watersheds

USFWS Correspondence

The outfalls included in Part II: Summary of Receiving Waters were selected based on a 100 foot distance from any waters of the U.S. Coordinates listed under unnamed water segments are based on the NAD 1983 StatePlane Massachusetts FIPS 2001 (US Feet) Coordinate System, and are listed as latitude/longitude in decimal degrees.

Regarding the ESA section 7 consultation, I agree that the MS4 Permit will not adversely affect the Northern Long-eared Bat, nor the Plymouth Redbelly Turtle in the MS4 area. An MS4 Project Review Request Letter has been mailed to U.S. Fish and Wildlife Service on August 16, 2018 and was delivered on August 17, 2018. Once the ESA Determination is approved by USFWS, I will resubmit the first page of this NOI with the ESA Determination marked as Complete.

Regarding the National Historic Preservation Act, under 36 CFR 800, this facility is an existing facility authorized by the previous Permit, and is not undertaking any activity involving subsurface land disturbance less than 1 acre. This MS4 Permit will have "no potential to cause effects," in accordance with 36 CFR 800.3(a)(1).

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

Page 20 of 20

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.

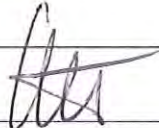
Name:

Aaron Burke

Title:

Chairman, Board of Selectmen

Signature:



Date:

9-10-18

[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

FOR COMMENT

APPENDIX C
PERMIT SCHEDULE

FOR COMMENT

**MS4 Permit
Draft Schedule
Town of Lakeville, Massachusetts
June 9, 2017**

July 2018 – MS4 Permit effective date to coincide with start of FY18

- **September 29, 2018** – Submit Updated NOI (within 90 days of effective date)

July 2019 – Items due within 1 year of effective date

- Submit Updated Stormwater Management Plan
- Additional Mapping – update stormwater system GIS for connectivity (as needed)
- Written IDDE Plan, identify catchments contributing to high priority areas such as contributing to public water supplies, public bathing beaches, or Inventory Town Facilities
- Develop O&M for Town Facilities – Public Works facilities, Parks/Recreation, Town Hall, Schools
- Evaluate street sweeping and catch basin cleaning frequency.
- Education/Outreach – Two educational messages to each of the 4 audiences over 5 years
- Additional Education/Outreach (*x2 for Impaired Water Requirements*)*
 - Nitrogen: Targeting Fertilizer, Grass Clippings, Dog Waste and Leaf Litter – Taunton River Watershed
- Property Management for Nitrogen – fertilizer use, leaf litter, street sweeping (2x per year)*
- Public Participation
- Annual Training

July 2020 – Items due within 2 years of effective date

- SWPPP for Appropriate Facilities
- SPCC Plan where appropriate
- Parks Maintenance Plan
- Ongoing Outfall Sampling (wet & dry) / Inspections / Update Mapping
- Continue to evaluate street sweeping and catch basin cleaning frequency.
- Updated Ordinance for Nitrogen*
- Education/Outreach – Two educational messages to each of the 4 audiences over 5 years
- Additional Education/Outreach (*x2 for Impaired Water Requirements*)*
 - Nitrogen: Targeting Fertilizer, Grass Clippings, Dog Waste and Leaf Litter – Taunton River Watershed
- Public Participation
- Annual Training

July 2021 – Items due within 3 years of effective date

- Revisions to Stormwater Bylaw - Construction Site Stormwater Runoff Control



- Draft regulations to promote green infrastructure – Post-Construction Management
- Ongoing Outfall Sampling (wet & dry) / Inspections / Update Mapping
- Continue to evaluate street sweeping and catch basin cleaning frequency.
- Education/Outreach – Two educational messages to each of the 4 audiences over 5 years
- Additional Education/Outreach (x2 for Impaired Water Requirements)*
 - Nitrogen: Targeting Fertilizer, Grass Clippings, Dog Waste and Leaf Litter – Taunton River Watershed
- Public Participation
- Annual Training

July 2022 – Items due within 4 years of effective date

- Revisions to Stormwater Bylaw - Construction Site Stormwater Runoff Control
- Draft regulations to reduce impervious cover – Post-Construction Management
- Ongoing Outfall Sampling (wet & dry) / Inspections / Update Mapping
- Education/Outreach – Two educational messages to each of the 4 audiences over 5 years
- Continue to evaluate street sweeping and catch basin cleaning frequency.
- Nitrogen Source Identification Report*
- Additional Education/Outreach (x2 for Impaired Water Requirements)*
 - Nitrogen: Targeting Fertilizer, Grass Clippings, Dog Waste and Leaf Litter – Taunton River Watershed
- Public Participation
- Annual Training

July 2023 – Permit Length (5 years)

- Inventory/Priority Ranking of LID retrofits on Town-Owned Property – Post-Construction Management
- Ongoing Outfall Sampling (wet & dry) / Inspections / Update Mapping
- Education/Outreach – Two educational messages to each of the 4 audiences over 5 years
- Continue to evaluate street sweeping and catch basin cleaning frequency.
- Evaluate all Properties for BMPs – Nitrogen removal*
- Plan and Scheduled for BMPs - Nitrogen removal*
- Additional Education/Outreach (x2 for Impaired Water Requirements)*
 - Nitrogen: Targeting Fertilizer, Grass Clippings, Dog Waste and Leaf Litter – Taunton River Watershed
- Public Participation
- Annual Training

**Additional requirements for Water Quality Assessment are required due to documented nitrogen impairments in the Taunton River Watershed. (see MA NPDES MS4 Appendix H, section I.)*



APPENDIX D

ENDANGERED SPECIES AND CRITICAL HABITATS PROTECTION DOCUMENTS

FOR COMMENT



United States Department of the Interior

FISH AND WILDLIFE SERVICE



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

September 24, 2018

To whom it may concern:

The U.S. Fish and Wildlife Service (USFWS) reviewed the stormwater discharge activities associated with the 2016 National Pollutant Discharge and Elimination System (NPDES) Massachusetts (MA) Small Municipal Separate Storm Sewer System (MS4) general permit (MA MS4 General Permit) issued by the Environmental Protection Agency (EPA). We determined those activities may affect, but are not likely to adversely affect, certain species listed under the Endangered Species Act (ESA) of 1973 (87 Stat. 884, as amended; 16 U.S.C. 1531 *et seq.*) when specific conditions are met. When these conditions are met, we do not need to review individual projects. These comments are provided in accordance with section 7 of the ESA and complement existing 2016 MA MS4 General Permit Appendix C Guidance. We understand the applicant is acting as a non-Federal representative of the EPA for the purpose of consultation under section 7. **This letter provides additional guidance for meeting Criterion B and should be submitted as part of your application package to the EPA.**

If the USFWS Information for Planning and Consultation website (<https://ecos.fws.gov/ipac/>) indicates your MA MS4 General Permit project action area may contain one or more of the following federally listed endangered species: roseate tern (*Sterna dougallii*), northern red-bellied cooter (*Pseudemys rubriventris*), dwarf wedgemussel (*Alasmidonta heterodon*), rusty patched bumble bee (*Bombus affinis*), northeastern bulrush (*Scirpus ancistrochaetus*), or American chaffseed (*Schwalbea americana*); threatened species: piping plover (*Charadrius melodus*), bog turtle (*Glyptemys muhlenbergii*), Puritan tiger beetle (*Cicindela puritana*), northeastern beach tiger beetle (*Cicindela dorsalis*), or red knot (*Calidris canutus rufa*); or their federally designated critical habitat; and the specific conditions listed below are met, you may submit this letter to complete the **MA MS4 General Permit Appendix C: Step 4** in place of a concurrence letter for informal consultation as documentation of ESA eligibility for **USFWS Criterion B**.

In addition, this letter also satisfies the requirement in the **MA MS4 General Permit Appendix C: Step 2 (3)** to contact the USFWS and obtain a concurrence letter, if you have not yet done so. If your project action area includes one or more of the above-listed species *and* one or more of the

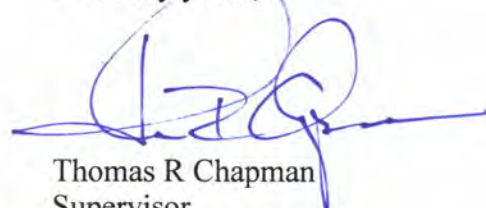
species listed under **Criterion C**,¹ you may still use this letter to certify under **Criterion B**. All existing guidance regarding requirements for certifying eligibility according to the USFWS Criterion A, B, or C for coverage by the 2016 MS4 Permit (see MA MS4 General Permit Appendix C – Endangered Species Guidance) remains unchanged.

We have determined that proposed stormwater discharge activities covered under the 2016 MS4 Permit *may affect, but are not likely to adversely affect*, the above-listed species and the species' critical habitat when the following are true:

1. all stormwater discharges are pre-existing or previously permitted by EPA;
2. any planned operations and maintenance work covered by this permit will only affect previously disturbed areas where stormwater controls are already installed. In these situations the chance of encountering any of the subject species is discountable;
3. the project implements EPA MS4 Best Management Practices (BMPs) and meets Clean Water Act and Massachusetts Water Quality Standards. Although permitted discharges may reach the environment used by these species, BMPs reduce pollutants to the extent that discharges are not known to have measurable impacts on these species or their habitat;
4. no new construction or structural BMPs are proposed under this permit at this time; and
5. you agree that if, during the course of the permit term, you plan to install a structural BMP not identified in the Notice of Intent (NOI), you will re-initiate consultation with the USFWS as necessary (see **MA MS4 General Permit Appendix C: Step 2 (5)**).

If the above criteria are met, further consultation with the USFWS under section 7 of the ESA is not required at this time; however, if the proposed action changes in any way such that it may affect a listed species in a manner not previously analyzed or if new information reveals the presence of additional listed species that may be affected by the project, the applicant or the EPA should contact us immediately and suspend activities that may affect those species until the appropriate level of consultation is completed with our office. Thank you for your cooperation, and please contact David Simmons of this office at (603) 227-6425 if you have questions or need further assistance.

Sincerely yours,



Thomas R Chapman
Supervisor
New England Field Office

¹ Criterion C includes guidance for project action areas that may contain species for which EPA has already made a determination. These species include the northern long-eared bat (*Myotis septentrionalis*), sandplain gerardia (*Agalinis acuta*), small whorled pogonia (*Isotria medeoloides*), and/or American burying beetle (*Nicrophorus americanus*) (MA MS4 General Permit Appendix C: Step 3 – Determine if You Can Meet Eligibility USFWS Criterion C).



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:

July 18, 2018

Consultation Code: 05E1NE00-2018-SLI-2435

Event Code: 05E1NE00-2018-E-05653

Project Name: Lakeville

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

FOR COMMENT

Project Summary

Consultation Code: 05E1NE00-2018-SLI-2435

Event Code: 05E1NE00-2018-E-05653

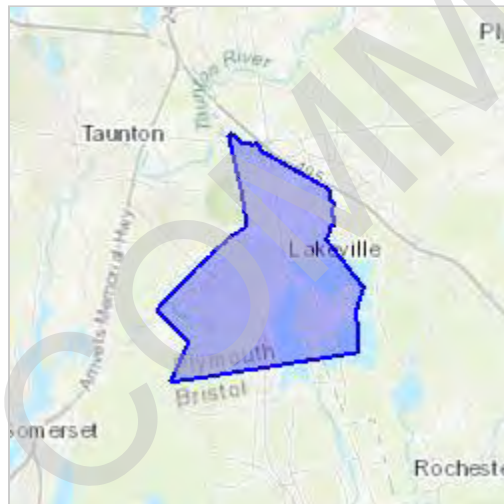
Project Name: Lakeville

Project Type: ** OTHER **

Project Description: Stormwater MS4

Project Location:

Approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/place/41.843188348678154N70.95515020695004W>



Counties: Bristol, MA | Plymouth, 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

Reptiles

NAME	STATUS
Plymouth Redbelly Turtle <i>Pseudemys rubriventris bangsi</i> There is final critical habitat for this species. Your location is outside the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/451	Endangered

Critical habitats

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

APPENDIX E

MA MS4 GENERAL PERMIT - APPENDIX D - HISTORIC PROPERTIES DOCUMENTS

FOR COMMENT

Appendix D

National Historic Preservation Act Guidance

Background

Section 106 of the National Historic Preservation Act (NHPA) requires federal agencies to take into account the effects of Federal “undertakings” on historic properties that are either listed on, or eligible for listing on, the National Register of Historic Places. The term federal “undertaking” is defined in the NHPA regulations to include a project, activity, or program of a federal agency including those carried out by or on behalf of a federal agency, those carried out with federal financial assistance, and those requiring a federal permit, license or approval. See 36 CFR 800.16(y). Historic properties are defined in the NHPA regulations to include prehistoric or historic districts, sites, buildings, structures, or objects that are included in, or are eligible for inclusion in, the National Register of Historic Places. This term includes artifacts, records, and remains that are related to and located within such properties. See 36 CFR 800.16(1).

EPA’s issuance of a National Pollutant Discharge Elimination System (NPDES) General Permit is a federal undertaking within the meaning of the NHPA regulations and EPA has determined that the activities to be carried out under the general permit require review and consideration, in order to be in compliance with the federal historic preservation laws and regulations. Although individual submissions for authorization under the general permit do not constitute separate federal undertakings, the screening processes provides an appropriate site-specific means of addressing historic property issues in connection with EPA’s issuance of the permit. To address any issues relating to historic properties in connection with the issuance of this permit, EPA has included a screening process for applicants to identify whether properties listed or eligible for listing on the National Register of Historic Places are within the path of their discharges or discharge-related activities (including treatment systems or any BMPs relating to the discharge or treatment process) covered by this permit.

Applicants seeking authorization under this general permit must comply with applicable, State, Tribal, and local laws concerning the protection of historic properties and places and may be required to coordinate with the State Historic Preservation Officer (SHPO) and/or Tribal Historic Preservation Officer (THPO) and others regarding effects of their discharges on historic properties.

Activities with No Potential to Have an Effect on Historic Properties

A determination that a federal undertaking has no potential to have an effect on historic properties fulfills an agency’s obligations under NHPA. EPA has reason to believe that the vast majority of activities authorized under this general permit will have no potential effects on historic properties. This permit typically authorizes discharges from existing facilities and requires control of the pollutants discharged from the facility. EPA does not anticipate effects on historic properties from the pollutants in the authorized discharges. Thus, to the extent EPA’s issuance of this general permit authorizes discharges of such constituents, confined to existing channels, outfalls or natural drainage areas, the permitting action does not have the potential to cause effects on historical properties.

In addition, the overwhelming majority of sources covered under this permit will be facilities that are seeking renewal of previous permit authorization. These existing dischargers should have already addressed NHPA issues in the previous general permit as they were required to certify that they were either not affecting historic properties or they had obtained written agreement from

the applicable SHPO or THPO regarding methods of mitigating potential impacts. To the extent this permit authorizes renewal of prior coverage without relevant changes in operations the discharge has no potential to have an effect on historic properties.

Activities with Potential to Have an Effect on Historic Properties

EPA believes this permit may have some potential to have an effect on historic properties the applicant undertakes the construction and/or installation of control measures that involve subsurface disturbance that involves less than 1 acre of land. (Ground disturbances of 1 acre or more require coverage under the Construction General Permit.) Where there is disturbance of land through the construction and/or installation of control measures, there is a possibility that artifacts, records, or remains associated with historic properties could be impacted. Therefore, if the applicant is establishing new or altering existing control measures to manage their discharge that will involve subsurface ground disturbance of less than 1 acre, they will need to ensure (1) that historic properties will not be impacted by their activities or (2) that they are in compliance with a written agreement with the SHPO, THPO, or other tribal representative that outlines all measures the applicant will carry out to mitigate or prevent any adverse effects on historic properties.

Examples of Control Measures Which Involve Subsurface Disturbance

The type of control measures that are presumptively expected to cause subsurface ground disturbance include:

- Dikes
- Berms
- Catch basins, drainage inlets
- Ponds, bioretention areas
- Ditches, trenches, channels, swales
- Culverts, pipes
- Land manipulation; contouring, sloping, and grading
- Perimeter Drains
- Installation of manufactured treatment devices

EPA cautions applicants that this list is non-inclusive. Other control measures that involve earth disturbing activities that are not on this list must also be examined for the potential to affect historic properties.

Certification

Upon completion of this screening process the applicant shall certify eligibility for this permit using one of the following criteria on their Notice of Intent for permit coverage:

Criterion A: The discharges do not have the potential to cause effects on historic properties.

Criterion B: A historic survey was conducted. The survey concluded that no historic properties are present. Discharges do not have the potential to cause effects on historic properties.

Criterion C: The discharges and discharge related activities have the potential to have an effect on historic properties, and the applicant has obtained and is in compliance with a written agreement with the State Historic Preservation Officer (SHPO), Tribal Historic Preservation Officer (THPO), or other tribal representative that outlines measures the applicant will carry out to mitigate or prevent any adverse effects on historic properties.

Authorization under the general permit is available only if the applicant certifies and documents permit eligibility using one of the eligibility criteria listed above. Small MS4s that cannot meet any of the eligibility criteria in above must apply for an individual permit.

Screening Process

Applicants or their consultant need to answer the questions and follow the appropriate procedures below to assist EPA in compliance with 36 CFR 800.

Question 1: Is the facility an existing facility authorized by the previous permit or a new facility and the applicant is not undertaking any activity involving subsurface land disturbance less than an acre?

YES - The applicant should certify that fact in writing and file the statement with the EPA. This certification must be maintained as part of the records associated with the permit.

The applicant should certify eligibility for this permit using Criterion A on their Notice of Intent for permit coverage. The applicant does not need to contact the state Historic Commission. Based on that statement, EPA will document that the project has "no potential to cause effects" (36 CFR 800.3(a)(1)). There are no further obligations under the Section 106 regulations.

NO- Go to Question 2.

Question 2: Is the property listed in the National Register of Historic Places or have prior surveys or disturbances revealed the existence of a historic property or artifacts?

NO - The applicant should certify that fact in writing and file the statement with the EPA. This certification must be maintained as part of the records associated with the permit.

The applicant should certify eligibility for this permit using Criterion B on their Notice of Intent for permit coverage. The applicant does not need to contact the state Historic Commission. Based on that statement, EPA will document that the project has "no potential to cause effects" (36 CFR 800.3(a)(1)). There are no further obligations under the Section 106 regulations.

YES - The applicant or their consultant should prepare a complete information submittal to the SHPO. The submittal consists of:

- Completed Project Notification Form- forms available at <http://www.sec.state.ma.us/mhc/mhcform/formidx.htm>;

- USGS map section with the actual project boundaries clearly indicated; and
- Scaled project plans showing existing and proposed conditions.

(1) Please note that the SHPO does not accept email for review. Please mail a paper copy of your submittal (Certified Mail, Return Receipt Requested) or deliver a paper copy of your submittal (and obtain a receipt) to:

State Historic Preservation Officer
Massachusetts Historical Commission
220 Morrissey Blvd.
Boston MA 02125.

(2) Provide a copy of your submittal and the proof of MHC delivery showing the date MHC received your submittal to:

NPDES Permit Branch Chief
US EPA Region 1 (OEP06-1)
5 Post Office Square, Suite 100
Boston MA 02109-3912.

The SHPO will comment within thirty (30) days of receipt of complete submittals, and may ask for additional information. Consultation, as appropriate, will include EPA, the SHPO and other consulting parties (which includes the applicant). The steps in the federal regulations (36 CFR 800.2 to 800.6, etc.) will proceed as necessary to conclude the Section 106 review for the undertaking. **The applicant should certify eligibility for this permit using Criterion C on their Notice of Intent for permit coverage.**

APPENDIX F
NEW OR INCREASED DISCHARGES

FOR COMMENT

New or Increased Discharges Lakeville, MA					
Location	Description	Proposed Use	Area	Contributing Area to MS4	BMP
**Example Rd	Housing Community	Residence	27 acres	27 acres	Stormceptor unit and detention pond

** Example of what would be written for a new or increased discharge

APPENDIX G
SSO INVENTORY

FOR COMMENT

Sanitary Sewer Overflow (SSO) Inventory Lakeville, MA									
Location	Discharge Location	Is Discharge Entering MS4? (Y/N)	Date/Time of SSO Occurrence	Estimated Volume of SSO Occurrence	Known/Suspected Cause	Mitigation Measures Completed	Mitigation Implementation Date	Mitigation Measures Planned	Mitigation Implementation Schedule
1 Example Rd	Enters into Example Pond	Yes	August 4, 2016 9:00 AM - August 5, 2016 3:00 PM	1,200 gallons	Illicit resident connection	Illicit connection removed	August 8, 2016		

*The SSO occurrence listed above is an example

APPENDIX H

CURRENT STORMWATER BYLAW

FOR COMMENT

GENERAL BY-LAWS

Town of Lakeville

- STORMWATER MANAGEMENT..... 44

NON-STORMWATER DISCHARGES TO THE MUNICIPAL STORM DRAINAGE SYSTEM OF THE TOWN OF LAKEVILLE

SECTION 1. OBJECTIVE/ INTENT

The objective of this by-law is to prevent non-stormwater discharges to the Town of Lakeville's municipal storm drain system through the regulation of non-stormwater discharges to the storm drain system to the maximum extent practicable as required by federal and state law. Non-stormwater discharges are a major concern because they can impair the water quality of fresh water bodies, including streams, rivers and wetlands; contaminate drinking water supplies; alter or destroy aquatic habitat; and increase flooding.

This by-law seeks to prevent the introduction of pollutants into the municipal storm drain system in order to comply with requirements of the National Pollutant Discharge Elimination System (NPDES) permit process by:

- (1) Regulating the contribution of pollutants to the municipal storm drainage system from stormwater discharges by any user;
- (2) Prohibiting illicit connections and discharges to the municipal storm drainage system;
- (3) Establishing legal authority to carry out all inspection, surveillance and monitoring procedures necessary to ensure compliance with this by-law.
- (4) Prohibiting discharges into the municipal storm drainage system that may or can create a condition that is harmful to public safety and welfare.

SECTION 2. DEFINITIONS

For the purposes of this by-law the following shall mean:

AUTHORIZED ENFORCEMENT AGENCY. The Building Commissioner and the employees and designees of the Town's Building Department are the Authorized Enforcement Agency designated to enforce this by-law.

BEST MANAGEMENT PRACTICES (BMPS). Schedules of activities, prohibitions of practices, general good house keeping practices, pollution prevention and educational practices, maintenance procedures, and other management practices to prevent or reduce the discharge of pollutants directly or indirectly to stormwater, receiving waters, or stormwater conveyance systems. BMPs also include treatment practices, operating procedures, and practices to control site runoff, spillage or leaks, sludge or water disposal, or drainage from raw materials storage.

CLEAN WATER ACT. The Federal Water Pollution Control Act (33 U.S.C. § 1251 et seq.), and any subsequent amendments thereto.

CONSTRUCTION ACTIVITY. Activities subject to NPDES Construction Permits. These include construction projects resulting in land disturbance of five (5) acres or more. Such activities include, but are not limited to, clearing and grubbing, grading, excavating, and demolition.

HAZARDOUS MATERIALS. Any material, including any substance, waste, or combination thereof, which because of its quantity, concentration, or physical, chemical, or infectious characteristics may cause, or significantly contribute to, a substantial present or potential hazard to human health, safety, property, or the environment when improperly treated, stored, transported, disposed of, or otherwise managed.

ILLICIT CONNECTIONS. Any surface or subsurface drain or conveyance which allows an illegal discharge to enter the municipal storm drain system including, but not limited to, any conveyances which allow any non-storm water discharge including sewage, process wastewater, and wash water to enter the storm drain system and any connections to the storm drain system from indoor drains, sinks or toilets, regardless of whether said drain or connection had been previously allowed, permitted, or approved by an authorized enforcement agency

ILLEGAL DISCHARGE. Any direct or indirect non-storm water discharge to the storm drain system, except as exempted in Section 7 of this by-law.

INDUSTRIAL ACTIVITY. Activities subject to NPDES Industrial Permits as defined in 40 CFR 122.26 (b)(14).

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) STORM WATER DISCHARGE Permit. A permit issued by EPA (or by the Commonwealth of Massachusetts under authority delegated pursuant to 33 USC § 1342(b)) that authorizes the discharge of pollutants to waters of the United States, whether the permit is applicable on an individual, group, or general area-wide basis.

NON-STORM WATER DISCHARGE. Any discharge to the municipal storm drain system that is not composed entirely of storm water.

PERSON. Any individual, partnership, association, firm, company, trust, corporation, agency, authority, department of political subdivision of the Commonwealth or the federal government, to the extent permitted by law, and any officer, employee or agent of such person.

POLLUTANT. Any element or property of sewage, agricultural, industrial, or commercial waste, runoff, leachate, heated effluent or other matter whether originating at a point or non-point source that is or may be introduced into any storm drain system, waters of the Commonwealth and/or waters of the United States. Pollutants may include, but are not limited to: paints, varnishes, and solvents; oil and other automotive fluids; non-hazardous liquid and solid wastes and yard wastes; refuse, rubbish, garbage, litter, or other discarded or abandoned objects, by-laws, and accumulations, so that same may cause or contribute to pollution; floatables; pesticides, herbicides, and fertilizers; hazardous substances and wastes; sewage, fecal coliform and pathogens; dissolved and particulate metals; animal wastes; rock, sand, salt and soils; wastes and residues that result from constructing a building or structure; and noxious or offensive matter of any kind.

PREMISES. Any building, lot, parcel of land, or portion of land whether improved or unimproved including adjacent sidewalks and parking strips.

STORM DRAINAGE SYSTEM. A system used to collect and/or convey stormwater including, but not limited to, any roads with drainage systems, municipal streets, gutters, curbs, inlets, piped storm drains, pumping facilities, retention and detention basins, natural and human-made or altered drainage channels, reservoirs, and other drainage structures owned or operated by the Town of Lakeville.

STORM WATER. Any surface flow, runoff, and drainage consisting entirely of water from any form of natural precipitation, and resulting from such precipitation.

WATERCOURSE. A natural or man-made channel through which water flows or a stream of water, including a brook or underground stream.

WATERS OF THE COMMONWEALTH. All waters within the jurisdiction of the Commonwealth of Massachusetts, including, without limitation, rivers, streams, lakes, ponds, springs, impoundments, estuaries, wetlands, coastal waters and groundwater.

WASTEWATER. Any sanitary waste, sludge, septic tank or cesspool overflow, and water that during manufacturing, cleaning or processing comes in direct contact with or results from the production or use of any raw material, intermediate product, by-product or waste product

SECTION 3. APPLICABILITY

This by-law shall apply to all water entering the Storm Drainage System owned or operated by the Town of Lakeville unless explicitly exempted by the Building Commissioner.

SECTION 4. AUTHORITY

This by-law is adopted under the authority granted by the Home Rule Amendment of the Massachusetts Constitution and the Home Rule Procedures Act, and G.L. c.83, §1 and §10, as amended by St. 2004, c.149, §§135-140, and the Federal Clean Water Act, 40 CFR 122.34.

SECTION 5. RESPONSIBILITY FOR ADMINISTRATION.

The Building Commissioner as the Authorized Enforcement Agency shall administer, implement, and enforce the provisions of this by-law. Any powers granted or duties imposed upon the Building Commissioner may be delegated in writing by the Building Commissioner to persons or entities acting in the beneficial interest of or in the employ of the Town under the Building Commissioner.

SECTION 6. SEVERABILITY.

The provisions of this by-law are hereby declared to be severable. If any provision, clause, sentence, or paragraph of this by-law or the application thereof to any person, establishment, or circumstances shall be held invalid, such invalidity shall not affect the other provisions or application of this by-law.

SECTION 7. PROHIBITED ACTIVITIES

A) Prohibition of Illegal Discharges.

No person shall discharge or cause to be discharged into the municipal Storm Drainage System or watercourses any materials including, but not limited to, pollutants or waters containing any pollutants that cause or contribute to a violation of applicable water quality standards, other than storm water.

The commencement, conduct or continuance of any Illegal Discharge to the Storm Drainage system is prohibited except as provided as follows and further provided that the exempt source is not a significant contributor of a Pollutant to the Storm Drainage System; not withstanding the last previous phrase, all fire fighting activities are exempt:

1. The following discharges are exempt from discharge prohibitions established by this by-law: water line flushing or other potable water sources, landscape irrigation or lawn watering, diverted stream flows, rising ground water, ground water infiltration to storm drains, uncontaminated pumped ground water, foundation or footing drains (not including active groundwater dewatering systems), crawl space pumps, air conditioning condensation, springs, non-commercial washing of vehicles, natural riparian habitat or wet-land flows, swimming pools (if de-chlorinated), fire fighting activities, and any other water source not containing Pollutants.
2. Discharges specified in writing by the Building Commissioner, as the Authorized Enforcement Agency, as being necessary to protect public health , safety, welfare or the environment.

3. Dye testing is an allowable discharge, but requires a written notification to the Building Commissioner prior to the time of the test.
4. The prohibition shall not apply to any non-storm water discharge permitted under an NPDES permit, waiver, or waste discharge order issued to the discharger and administered under the authority of the Federal Environmental Protection Agency, provided that the discharger is in full compliance with all requirements of the permit, waiver, or order and other applicable laws and regulations, and provided that written approval has been granted for any discharge to the Storm Drainage System.

B) Prohibition of Illicit Connections.

1. The construction, use, maintenance or continued existence of Illicit Connections to the Storm Drainage System is prohibited.
2. This prohibition expressly includes, without limitation, illicit connections made in the past, regardless of whether the connection was permissible under law or practices applicable or prevailing at the time of connection.

A person is considered to be in violation of this by-law if the person connects a line conveying sewage to the Storm Drainage System, or allows such a connection to continue.

C) Time for Compliance

Residential property owners shall have 90 days from the effective date of this by-law to comply with its provisions, provided good cause is shown for the failure to comply with the by-law during that period.

SECTION 8. SUSPENSION OF MUNICIPAL STORM DRAINAGE SYSTEM ACCESS.

Suspension due to Illegal Discharges in Emergency Situations

The Building Commissioner, as the Authorized Enforcement Agency, may, without prior notice, suspend municipal Storm Drainage System discharge access to any person or property when such suspension is necessary to stop an actual or threatened discharge which presents or may present an imminent risk of harm to public health, safety or welfare; to the environment; to the municipal Storm Drainage System or Waters of the Commonwealth or the United States. If the violator fails to comply with an emergency suspension order, the Authorized Enforcement Agency may take such steps as deemed necessary to prevent or minimize damage to the municipal Storm Drainage System or Waters of the Commonwealth or the United States, and/or to minimize risk of harm to public health, safety or welfare or to the environment.

Suspension due to the Detection of Illegal Discharge

Any person discharging to the Town's Storm Drainage System in violation of this by-law may have their access terminated if such termination would abate or reduce an illegal discharge. The Building Commissioner, as the Authorized Enforcement Agency, shall notify a violator of the proposed termination of its Storm Drainage System access. The violator may petition the Building Commissioner for reconsideration and a hearing regarding such notice of termination.

A person commits an offense if the person reinstates municipal Storm Drainage System access to premises terminated pursuant to this Section, without the prior approval of the Building Commissioner.

SECTION 9. INDUSTRIAL OR CONSTRUCTION ACTIVITY DISCHARGES

Any person subject to an industrial or construction activity NPDES storm water discharge permit shall comply with all provisions of such permit. Proof of compliance with said permit may be required in a form acceptable to the Building Commissioner prior to the allowing of discharges to the municipal Storm Drainage System.

SECTION 10. MONITORING OF DISCHARGES

A. Applicability.

This Section applies to all facilities that have storm water discharges associated with industrial activity, including construction activity.

B. Access to Facilities.

1. The Building Commissioner, as the Authorized Enforcement Agency, shall be permitted to enter and inspect facilities subject to regulation under this by-law as often as may be necessary to determine compliance with this by-law. If a discharger has security measures in force that require proper identification and clearance before entry into its premises, the discharger shall make the necessary arrangements to allow access to the Building Commissioner or his/her authorized representatives.
2. Facility operators shall allow the Building Commissioner ready access to all parts of the premises for the purposes of inspection, sampling, examination and copying of records that must be kept under the conditions of an NPDES permit to discharge storm water, and the performance of any additional duties as defined by state and federal law.
3. The Building Commissioner shall have the right to set up on any permitted facility such devices as are necessary in the opinion of the Building Commissioner to conduct monitoring and/or sampling of the facility's storm water discharge.
4. The Building Commissioner has the right to require the discharger to install monitoring equipment as determined by the Building Commissioner. The facility's sampling and monitoring equipment shall be maintained at all times in a safe and proper operating condition by the discharger at its own expense. All devices used

to measure stormwater flow and quality shall be calibrated to ensure their accuracy.

5. Any temporary or permanent obstruction to safe and easy access to the facility to be inspected and/or sampled shall be promptly removed by the operator at the written or oral request of the Building Commissioner and shall not be replaced. The costs of clearing such access shall be borne by the operator.
6. Unreasonable delays in allowing the Building Commissioner access to a permitted facility is a violation of a storm water discharge permit and of this by-law. A person who is the operator of a facility with a NPDES permit to discharge storm water associated with industrial activity commits an offense if the person denies the Building Commissioner reasonable access to the permitted facility for the purpose of conducting any activity authorized or required by this by-law.
7. If the Building Commissioner has been refused access to any part of the premises from which stormwater is discharged, and he/she is able to demonstrate probable cause to believe that there may be a violation of this by-law, or that there is a need to inspect and/or sample as part of a routine inspection and sampling program designed to verify compliance with this by-law or any order issued hereunder, or to protect the overall public health, safety, and welfare of the community, then the Building Commissioner may seek issuance of a search warrant from any court of competent jurisdiction.

SECTION 11. REQUIREMENT TO PREVENT, CONTROL, AND REDUCE STORM WATER POLLUTANTS BY THE USE OF BEST MANAGEMENT PRACTICES.

The Building Commissioner, as the Authorized Enforcement Agency, shall adopt requirements identifying Best Management Practices (BMPs) for any activity, operation or facility which may cause or contribute to pollution or contamination of Storm Water, the Storm Drainage System, or Waters of the Commonwealth or the United States. The owner or operator of a commercial or industrial establishment shall provide, at their own expense, reasonable protection from accidental discharge of prohibited materials or other wastes into the municipal Storm Drainage System or Watercourses through the use of these structural and non-structural BMPs. Further, any person responsible for Premises, which is, or may be, the source of an Illicit Discharge, may be required to implement, at said Person's expense, additional structural and non-structural BMPs to prevent the further discharge of pollutants to the municipal Storm Drainage System. Compliance with all terms and conditions of a valid NPDES permit authorizing the discharge of Storm Water associated with industrial activity, to the extent practicable, shall be deemed compliant with the provisions of this section. These BMPs shall be part of a Stormwater Pollution Prevention Plan (SWPP) as necessary for compliance with requirements of the NPDES permit.

SECTION 12. WATERCOURSE PROTECTION

Every person owning Premises through which a Watercourse passes, or such person's lessee, shall keep and maintain that part of the Watercourse within the Premises free of trash, debris, excessive vegetation, and other obstacles that would pollute, contaminate, or significantly retard the flow of water through the Watercourse. In addition, the owner or lessee shall maintain existing privately owned structures within or adjacent to a Watercourse, so that such structures will not become a hazard to the use, function, or physical integrity of the Watercourse.

SECTION 13. NOTIFICATION OF SPILLS

Notwithstanding other requirements of local, state or federal law, as soon as any person responsible for a facility or operation, or responsible for emergency response for a facility or operation has information of any known or suspected release of materials which are resulting or may result in illegal discharges or pollutants discharging into Storm Water, the Storm Drainage System, or Waters of the Commonwealth and United States, said person shall take all necessary steps to ensure containment and cleanup of such release. In the event of such a release of oil or hazardous materials, said person shall immediately notify emergency response agencies of the occurrence via emergency dispatch services. In the event of a release of non-hazardous materials, said person shall notify the Building Commissioner, as the Authorized Enforcement Agency, in person or by telephone or facsimile no later than the next business day. Notifications in person or by telephone shall be confirmed by written notice addressed and mailed to the Building Commissioner within three business (3) days of the telephone notice. If the discharge of prohibited materials emanates from a commercial or industrial establishment, the owner or operator of such establishment shall also retain an on-site written record of the discharge and the actions taken to prevent its recurrence. Such records shall be retained for at least three (3) years.

SECTION 14. ENFORCEMENT

The Building Commissioner, as the Authorized Enforcement Agency shall enforce this by-law, regulations, order, violation notices, and may pursue all criminal and civil remedies for such violations.

A. Civil Relief

If a person violates the provisions of the by-law, regulations, permit, notice or order issued hereunder, the Building Commissioner may seek injunctive relief in a court of competent jurisdiction restraining the person from activities which would create further violations or compelling the person to perform abatement or remediation of the violation. Civil penalties may be imposed to the maximum permitted by law, including up to \$5,000 a day under Mass. G.L. c. 83, §10.

B. Orders

The Building Commissioner may issue a written order to enforce provisions of this by-law or regulations thereunder, which may include (a) elimination of Illicit Connections or Illegal Discharges to the Storm Drainage System; (b)

performance of monitoring, analyses and reporting; (c) an order to cease and desist Illicit Connections and/or Illegal Discharges, practices or operations; and (d) remediation of contamination in connection therewith. If the Building Commissioner determines that abatement or remediation of contamination is required, the order shall set forth a deadline by which such abatement or remediation must be completed. Said order shall further advise that should the violator or property owner fail to abate or perform remediation within the specified deadline, the work may be done by a governmental agency or contractor, in which event such work and expenses thereof shall be charged to the violator.

C. Criminal Penalty

Any person who violates any provision of this by-law, regulation, order or permit issued hereunder shall be punished by a fine of not more than \$300.00 per day. Each day or part thereof that such violation occurs or continues shall constitute a separate offense.

D. Non-Criminal Disposition

(a) Whoever violates any provision of this by-law may be penalized by a non-criminal disposition as provided in Mass. G.L. Chapter 40, Section 21D. The non-criminal method of disposition may also be used for violations of any rule or regulation of any municipal officer, board or department, which is subject to a specific penalty. Without intending to limit the foregoing, it is the intention of this section that the following by-laws and regulations be included within the scope of this subsection, that the specific penalties, as listed herein, shall apply in such cases and that, in addition to police officers, who shall in all cases be considered enforcing persons for the purpose of this section, the municipal personnel listed for each section, if any, shall also be enforcing persons for such section. The Building Commissioner, Town of Lakeville Police Department, or any designated Agent of the Building Commissioner shall be considered an enforcing person for the purpose of this section.

(b) A violation of the by-law and regulatory provisions may be dealt with in a non-criminal manner as provided by section (a) above. Each day on which any violations exist shall be deemed to be a separate offense.

The fine schedule is: First offense, \$100, second offense, \$200, third and subsequent offenses, \$300.

E. Appeals

The decision or order of the Building Commissioner, as the Authorized Enforcement Agency, may be appealed to the Planning Board within 20 days of the date of the decision or order. The Planning Board shall consider the request

at a meeting after written notice is given to abutters, paid for by the Person, at least seven (7) days prior to the said meeting.

F. Remedies Not Exclusive

The remedies listed in this by-law are not exclusive of any other remedies available under applicable federal, state or local law.

(Adopted at Annual Town Meeting 5/8/06; approved by Attorney General 6/14/06)

FOR COMMENT

APPENDIX I

2018 ANNUAL REPORT SELF EVALUATION

ANNUAL EVALUATION FOR YEARS 1 -5+

FOR COMMENT

Municipality/Organization: TOWN OF LAKEVILLE

EPA NPDES Permit Number: MAR041125

MaDEP Transmittal Number: W040596

**Annual Report Number
& Reporting Period:** No. 15: March 2018

NPDES PII Small MS4 General Permit Annual Report

Part I. General Information

Contact Person: Rita Garbitt **Title:** Town Administrator

Telephone #: 508-946-8803 **Email:** rgarbitt@lakevillema.org

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, 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.

Signature: 

Printed Name: Aaron Burke

Title: Chairman, Board of Selectmen

Date: April 4, 2018

Part II Self-Assessment

The Town has substantially completed Tasks 1, 2, 4 and 5. Task 6 needs to be addressed, but has not been due to lack of financial resources. Over the last three (3) years, state aid has been reduced and like all Massachusetts municipalities, we have had to deal with reductions in staff and operating budgets. It has not only become more difficult to oversee the implementation of the plan, we have lost our funding for our outside consultant.

Part III. Summary of Minimum Control Measures

1. Public Education and Outreach

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 13 (Reliance on non-municipal partners indicated, if any)	Status/Future Activities
1.1	Prepare Press Releases on Phase II Stormwater Program	Phase II Stormwater Coordinator	Publish basic information in local newspapers.	Issued press release on November 23, 2004	None. BMP Completed
1.3	Publicize new requirements pursuant to passage of the local by-laws	Stormwater Coordinator		BMP complete. No action on this BMP for this year	None. BMP Completed
1.4	Prepare Phase II Annual Reports	Town Boards	Complete Annual Report in a timely manner	Issue Report	Issue Report
1.5	Encourage recycling of hazardous materials at the transfer station	Highway Department/ Transfer Station		Transfer Station employees encourage residents to recycle hazardous materials in face to face manner. We let residents know where these can be recycled. The Highway Department did distribute recycling information to residents at the transfer station regarding recycling of used motor oil, car batteries, tires, used antifreeze etc.	None. BMP Completed
1.6	Contact Long Pond landowners	Water Study Board	Mail informational brochure	Informational meeting held in July 2007 to present the results of the study and identify suitable alternatives. Preferred solution was to connect to New Bedford sewer line.	Lakeville's Sewer Construction Project was on the State Revolving Fund Loan Priority List for several years, but Town Meeting denied the borrowing request every year. There are no plans to move forward with the project.

1.7	Water Conservation Practices	Stormwater Coordinator	Develop brochure and distribute to all residents and businesses w/tax bills by Spring 05	Mailed brochures on water conservation practices with FY 05 Real Estate Tax Bills on December 31, 2004.	None. BMP Completed
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2. Public Involvement and Participation

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 13 (Reliance on non-municipal partners indicated, if any)	Status/Future Activities
2.1	Establish River Action Focus Team (RAFT)	Open Space Committee	Establish RAFT for Poquoy Brook and Assawompsett Pond/Nemasket River Watersheds	Activity planned for this BMP delayed. Will pursue when time and financial resources permit. (Open ended goal)	Activity planned for this BMP delayed. Will pursue when time and financial resources permit. (Open ended goal)
2.2	Assist Lakeville Historical Commission to name presently unnamed streams	Open Space Committee, Conservation Commission, and Historical Commission	Identify and name at least unnamed 3 streams with perennial flow.	Research is on-going	Name a second brook
2.3	Nominate Assonet Cedar Swamp as an ACEC	Open Space Committee	ACEC Status for Assonet Cedar Swamp	Activity planned for this BMP delayed. Open Space Committee has been working with Mass Audubon, and they will pursue when time and financial resources permit. (Open ended goal)	Activity planned for this BMP delayed. Open Space Committee will continue working with Mass Audubon, and they will pursue when time and financial resources permit. (Open ended goal)
2.4	Organize volunteers for weed control	Water Study Board	Work with State Legislators for funding	Purchased benthic barriers and received training from DCR/Lake and Ponds Program. Installed barrier in spring of 07	None. BMP Completed.
2.5	Conduct hazardous waste collection days	Highway Department	Increase volume of waste collected	The Town held a free Hazardous Waste Disposal Day for residents on October 28, 2017.	Another free Hazardous Waste Disposal Day is scheduled for November 10, 2018.
2.6	Catch Basin Stenciling	Highway Department	Coordinate stenciling with Boy Scout Troop with completion by Spring 07	Stenciling of catch basins took place in the Fall of 2006 as Eagle Scout project.	None. BMP Completed

3. Illicit Discharge Detection and Elimination

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 13 (Reliance on non-municipal partners indicated, if any)	Status/Future Activities
3.1	Map outfalls	Highway Department	Outfall Map by Spring of 05	Completed mapping of outfalls.	None. BMP Completed
3.2	Draft Illicit Discharge By-law	Highway Department, Planning Board, Stormwater Coordinator	Prepare by-law for submission to 2006 Annual Town Meeting	Finalize by-law and submitted to 2006 Town meeting. Passed	None. BMP Completed
3.3	Enact and implement Illicit Discharge By-law	Town Meeting, Planning Board, Highway Department	By-law is passed by Town Meeting on Spring 2006	By-law passed by Town meeting on May 8, 2006	None. BMP Completed
3.4	Develop and Implement system to identify and eliminate illicit discharges	Highway Department, Stormwater Coordinator	Develop system of the appropriated cost and size	In 2014, Lakeville joined the Southeastern Massachusetts Stormwater Collaborative as part of a state funded stormwater grant. Part of this grant was to develop and implement a stormwater website for collaborating towns to use to help train residents and businesses regarding illicit discharges. http://www.semastormwater.org/home/pages/residents-and-small-businesses Based on citizen complaints and observations by Town officials, the DPW compiled a list of illicit discharges and the identified discharges were addressed.	None. BMP Completed
3.5	Establish illicit discharge hotline	Highway Department	Establish hotline	Sent out notice with 12/07 tax bill explaining the illicit discharge by-law and the establishment of a hotline and its purpose.	None BMP completed
3.6	Survey mapped outfalls for illicit discharges	Highway Department	Complete survey by Spring 07 and have discharges removed by Spring 2018.	No activity planned for this BMP in Permit Year 15 as funding is not available for this activity.	Will continue to pursue funding.

4. Construction Site Stormwater Runoff Control

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 13 (Reliance on non-municipal partners indicated, if any)	Status/Future Activities
4.1	Draft Construction Site Runoff Control By-law	Highway Department, Planning Board, Stormwater Coordinator	Prepare by-law for submission to 2005 Annual Town Meeting	BMP 4.1 completed. No further action required.	None. BMP Completed
4.2	Enact Construction Site Runoff Control By-law	Town Meeting	By-law is passed by Town meeting	BMP 4.2 completed. No further action required	None. BMP Completed
4.3	Implement Construction Site Runoff Control By-Law	Planning Board, Conservation Commission	Revise by-law, and Conservation Commission and Planning Board's Rules & Regulations	BMP 4.3 completed. No further action required	None. BMP Completed
4.4	Conduct Inspections for Erosion Control	Conservation Commission	Implement a site inspection program by Spring 07.	Conservation Commission agent inspects active construction sites for compliance with SWPPP and Erosion and Sediment Control Plans	This is an on-going activity that will continue to take place this year.

5. Post-Construction Stormwater Management in New Development and Redevelopment

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 13 (Reliance on non-municipal partners indicated, if any)	Status/Future Activities
5.1	Draft Post-Construction Site Runoff Control By-law	Highway Department, Planning Board, Stormwater Coordinator	Prepare by-law for submission to 2005 Annual Town Meeting	BMP 5.1 completed No further activity planned	BMP 5.1 completed
5.2	Enact Post - Construction Site Runoff Control By-law	Town Meeting	By-law is passed by Town meeting	By-law enacted	BMP 5.2 completed. No further action required.
5.3	Develop and Implement Post- Construction Site Runoff Control By-Law	Planning Board, Conservation Commission	Revise by-law, and Conservation Commission and Planning Board's Rules & Regulations	Planning Board conducts site plan review. Conservation Commission agent conducts site inspections to verify that stormwater BMPs have been constructed as approved	Continue same as in Year 14

6. Pollution Prevention and Good Housekeeping in Municipal Operations

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 13 (Reliance on non-municipal partners indicated, if any)	Status/Future Activities
6.1	Review stormwater management at town facilities for compliance with bylaw and stormwater management goals	Highway Dept./All Departments	Conduct review and issue report with recommendations to address deficiencies by Spring 06	Reviews and recommendations to correct deficiencies and improve stormwater management practices did not take place this past permit year, but will for year 15.	No progress made on this BMP in year 14.
6.2	Develop SWPPP for Highway Department facility	Highway Department	Develop SWPP Plan	No activity for this BMP in Permit Year 14. Highway Department has continually requested capital funding for this project, but without success.	A SWPPP will need to be developed in conjunction with the new MS4 permit.
6.3	Employee Training	Highway Department	Develop biannual training program	Lakeville recently joined SERSG (Southeastern Regional Services Group) and is also now part of the Southeastern Massachusetts Stormwater Collaborative, which developed training for highway employees. However, this was a one time training. For future training, the BMP will continue to be delayed due to lack of funding.	Develop training program.
6.4	O&M Program for town-owned Structural Stormwater BMP	Highway Department	Implement O&M program by Spring 07	Lack of funding to put together an O&M program for town owned BMP's has caused this to be delayed.	Implement O&M Plans at Town owned facilities

7. BMPs for Meeting Total Maximum Daily Load (TMDL) Waste Load Allocations (WLA) <<if applicable>>

NOT APPLICABLE FOR TOWN OF LAKEVILLE

Part IV. Summary of Information Collected and Analyzed

Part V. Program Outputs & Accomplishments (OPTIONAL)

Programmatic

Stormwater management position created/staffed	(y/n)	No
Annual program budget/expenditures	(\$)	0.00

Education, Involvement, and Training

Estimated number of residents reached by education program(s)	(# or %)	Unknown. Website established to help educate residents and businesses. Continue to use website as resource. http://www.semastormwater.org/home/pages/residents-and-small-businesses
Stormwater management committee established	(y/n)	No
Stream teams established or supported	(# or y/n)	
Shoreline clean-up participation or quantity of shoreline miles cleaned	(y/n or mi.)	
Household Hazardous Waste Collection Days		
▪ days sponsored	(#)	1
▪ community participation	(%)	5%
▪ material collected	(tons or gal)	3,043.75 gallons
School curricula implemented	(y/n)	No

Legal/Regulatory

	In Place Prior to Phase II	Under Review	Drafted	Adopted
Regulatory Mechanism Status (indicate with "X")				
▪ Illicit Discharge Detection & Elimination				
▪ Erosion & Sediment Control				
▪ Post-Development Stormwater Management				
Accompanying Regulation Status (indicate with "X")				
▪ Illicit Discharge Detection & Elimination				
▪ Erosion & Sediment Control				
▪ Post-Development Stormwater Management				

Mapping and Illicit Discharges

Outfall mapping complete	(%)	99% (May 2014)-New developments
Estimated or actual number of outfalls	(#)	205
System-Wide mapping complete	(%)	99%
Mapping method(s)		
▪ Paper/Mylar	(%)	100%
▪ CADD	(%)	
▪ GIS	(%)	100%
Outfalls inspected/screened	(# or %)	
Illicit discharges identified	(#)	
Illicit connections removed	(#) (est. gpd)	
% of population on sewer	(%)	
% of population on septic systems	(%)	

Construction

Number of construction starts (>1-acre)	(#)	
Estimated percentage of construction starts adequately regulated for erosion and sediment control	(%)	
Site inspections completed	(# or %)	
Tickets/Stop work orders issued	(# or %)	
Fines collected	(# and \$)	
Complaints/concerns received from public	(#)	
<i>Highway Department designed and installed stormwater system (catch basins, infiltration chambers) to solve drainage issue at local town owned park driveway.</i>		

Post-Development Stormwater Management

Estimated percentage of development/redevelopment projects adequately regulated for post-construction stormwater control	(%)	
Site inspections completed	(# or %)	
Estimated volume of stormwater recharged	(gpy)	

Operations and Maintenance

Average frequency of catch basin cleaning (non-commercial/non-arterial streets)	(times/yr)	1/yr
Average frequency of catch basin cleaning (commercial/arterial or other critical streets)	(times/yr)	1/yr
Total number of structures cleaned	(#)	1300
Storm drain cleaned	(LF or mi.)	
Qty. of screenings/debris removed from storm sewer infrastructure	(lbs. or tons)	
Disposal or use of sweepings (landfill, POTW, compost, recycle for sand, beneficial use, etc.)		
Cost of screenings disposal	(\$)	

Average frequency of street sweeping (non-commercial/non-arterial streets)	(times/yr)	1/yr
Average frequency of street sweeping (commercial/arterial or other critical streets)	(times/yr)	1/yr
Qty. of sand/debris collected by sweeping	(lbs. or tons)	

Disposal of sweepings (landfill, POTW, compost, beneficial use, etc.)	(location)	Highway applying for BUD. Have not gotten response from MassDEP
Cost of sweepings disposal	(\$)	N/A
Vacuum street sweepers purchased/leased	(#)	N/A
Vacuum street sweepers specified in contracts	(y/n)	N/A

Reduction in application on public land of: ("N/A" = never used; "100%" = elimination)		
▪ Fertilizers	(lbs. or %)	
▪ Herbicides	(lbs. or %)	
▪ Pesticides	(lbs. or %)	

Anti-/De-Icing products and ratios	% NaCl % CaCl ₂ % MgCl ₂ % CMA % Kac % KCl % Sand	50% 50%
Pre-wetting techniques utilized	(y/n)	Yes
Manual control spreaders used	(y/n)	Yes
Automatic or Zero-velocity spreaders used	(y/n)	No
Estimated net reduction in typical year salt application	(lbs. or %)	
Salt pile(s) covered in storage shed(s)	(y/n)	Yes
Storage shed(s) in design or under construction	(y/n)	No

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:

APPENDIX J

MINIMUM CONTROL MEASURES BMPs

FOR COMMENT

Town of Lakeville, Massachusetts							
MA MS4 General Permit - Control Measures							
CM #1 - Public Education and Outreach							
BMP ID	BMP Categorization	BMP Description	Responsible Department/Parties	Measurable Goal	Beginning Year of Implementation	Approach	Comments
R1	Distribution of a minimum of two (2) educational messages over the permit term to the four (4) required audiences	Residents (1)	Highway Department, Conservation, Town Clerk, Board of Health	Distribute at least two educational messages to each audience within the permit term (5 Years)	2018	R1.1. Develop/maintain stormwater website.	R1.2: Make materials available via stormwater website and Town Hall. Utilize materials publically available from DEP EPA, and stormwater collaboratives.
						R1.2. Publish outreach materials.	
						R1.3. Distribute New Resident Packets to residents within Wetland Protection Areas.	
						R1.4. Distribute pet waste control information to residents when they (re)apply for a pet license.	
						R1.5. Distribute information to septic maintenance contractors.	
		Businesses, Institutions, and Commercial Facilities (2)	Building Department			R1.6. Install educational boards/signs in parks, public open space, near wetlands, etc.	R1.5-7: Make information available via stormwater website and Town Hall. R1.7: Coordinate with Health Dept. to quantify number of septic cleanouts.
						R1.7. Consider developing an educational program for elementary and middle school students that deals with stormwater and good water practices.	
						R1.8. Continue storm drain stenciling program.	
						R1.9. Continue to push for the Sewer Construction Project at Town Meetings via informational fliers distributed to Long pond landowners.	
						R1.10. Include information in permit application materials.	
		Developers (construction) (3)	Building Department, Planning Board			R1.11. Distribute information to industrial groups based on zoning and property use.	R1.10-11: Make information available on stormwater website and at Town Hall.
		Industrial Facilities (4)	Building Department, Planning Board, Assessors Office				
1A		Update Town permit forms	Building Department, Planning Board	Review and update application forms to meet the new requirements	2018	R1A.1. Attach stormwater outreach materials as appendix to building and site plan review permit applications.	

MA MS4 General Permit - Control Measures

CM #3 - Illicit Discharge Detection and Elimination (IDDE) Program

BMP ID	BMP Categorization	BMP Description	Responsible Department/Parties	Measurable Goal	Beginning Year of Implementation	Approach	Comments
R1	SSO Inventory	Develop SSO inventory in accordance with permit conditions	Board of Health, Consultant	Within 1 year of effective date develop inventory of historical SSOs that occurred within the MS4 in previous 5 Years	2018	R1.1. Develop SSO Inventory Database.	R1.1: Coordinate with Sewer Department for tracking of any future SSOs.
R2	Storm Sewer System Map	Create map and update during IDDE program completion	Highway Department, Consultant	Update map within 2 years of effective date of permit and complete full system map 10 years after effective date of permit	2018	R2.1. Make both an electronic and physical copy of the system map available to public.	R2.1: Post electronic copy to stormwater website and host physical copy at Town Hall.
						R2.2. Map/verify 10% of system per year during permit years 1-10.	R2.2: Phase I Map features focus of Years 1 and 2. Phase II Map features focus of Years 3 thru 10.
						R2.3. Integrate system map updates with planned sewer expansion projects.	
R3	Written IDDE Program Development	Create written IDDE program	Highway Department, Consultant	Complete within 1.5 years of the effective date of permit	2018	R3.1. Develop written IDDE program.	
R4	Implement IDDE Program	Implement catchment investigations according to program and permit conditions	Highway Department, Consultant	Implement catchment investigations according to program and permit conditions	2018	R4.1. Continue to enforce IDDE bylaw.	R4.3: New monitoring system should include surveying for illicit discharge detection.
						R4.2. Draft and Implement Stormwater Management Regulations.	
						R4.3. Coordinate water quality monitoring with dry weather screening.	
R5	Employee Training	Train employees on IDDE implementation	Highway Department, Consultant	Train annually	2018	R5.1. Coordinate annual stormwater training.	R5.1: Incorporate into annual training required under MCM#6.
R6	Conduct Dry Weather Screening	Conduct in accordance with outfall screening procedure and permit conditions	Highway Department, Consultant	Conduct in accordance with outfall screening procedure and permit conditions	2018	R6.1. Screen 25% of outfalls per year during permit years 2-5 (4 years to complete).	R6.1: Continue to pursue funding for the surveying of outfalls.
R7	Conduct Wet Weather Screening	Conduct in accordance with outfall screening procedures	Highway Department, Consultant	Conduct in accordance with outfall screening procedure and permit conditions	2018	R7.1. Conduct screening as indicated by permit requirements and dry weather screening results.	
R8	Ongoing Screening	Conduct dry weather and wet weather screening as necessary	Highway Department, Consultant	Conduct dry weather and wet weather screening as necessary	2018	R7.1. Conduct screening as indicated by permit	

Town of Lakeville, Massachusetts MA MS4 General Permit - Control Measures CM #4 - Construction Site Stormwater Runoff Control							
BMP ID	BMP Categorization	BMP Description	Responsible Department/Parties	Measurable Goal	Beginning Year of Implementation	Approach	Comments
R1	Site inspection and enforcement of Erosion and Sediment Control (ESC) measures	Complete written procedures of site inspections and enforcement procedures	Conservation Commission, Building Department, Consultant	Within 1 year of effective date of the permit, develop written/electronic SOP for inspection/enforcement of ESC measures	2018	R1.1. Recommend standards and practices for town inspection procedures.	R1.1: Work with Town to finalize and implement Stormwater Management Regulations.
						R1.2. Develop inspection form that includes ESC measures and integrate with existing Town forms.	R1.1: Building, Health, Conservation, Highway, etc.
R2	Site plan review	Complete written procedures of site plan review and begin implementation	Building Department, Planning Board, Consultant	Complete within 1 year of the effective date of permit	2018	R2.1. Include site plan review workflow chart with permit applications.	R2.2: Construction General Permit required for disturbance of 1 acre or greater.
						R2.2. Review current Town procedure regarding when a CGP is needed.	
R3	Erosion and Sediment Control	Adoption of requirements for construction operators to implement a sediment and erosion control program	Conservation Commission, Building Department, Planning Board	Complete within 1 year of the effective date of permit	2018	R3.1. Set limit of 1 acre before project requires inspection by Town official.	R3.1: Coordinate limits and requirements with fill/extraction permits.
						R3.2. Update all town inspection forms with erosion and sediment control checklist.	R3.2: Continue to conduct inspections at active construction sites.
						R3.3. Continue to enforce Construction Site Runoff and Erosion Control By-laws.	
R4	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	Conservation Commission, Building Department, Planning Board	Complete within 1 year of the effective date of permit	2018	R4.1. Incorporate into Town's general conditions for building permit and/or site plan review.	
						R4.2. Review and modify Town bylaw to meet new requirements (as needed).	

Town of Lakeville, Massachusetts MA MS4 General Permit - Control Measures							
CM #5 - Stormwater Management in New Development and Redevelopment							
BMP ID	BMP Categorization	BMP Description	Responsible Department/Parties	Measurable Goal	Beginning Year of Implementation	Approach	Comments
R1	As-built plans for on-site stormwater control	The procedures to require submission of as-built drawings and ensure long term operation and maintenance will be a part of the SWMP	Building Department, Planning Board, Highway Department	Require submission of as-built plans for completed projects	2018	R1.1. Require submission of electronic data for as-built drawings (e.g. PDF, AutoCAD, GIS).	R1.1: As-builts are required to be submitted within 2 years of completion of construction.
							R1.2: O&M certification should include contact and contract information for contractors that perform O&M on the private BMPs.
R2	Inventory and priority ranking of MS4-owned properties that may be retrofitted with BMPs	Conduct detailed inventory of MS4 owned properties and rank for retrofit potential	Highway Department, Town Administrator, Consultant	Complete 4 years after permit effective date	2018	R2.1. Inventory town parcels for existing stormwater BMPs and identify opportunities for GI/LID retrofits.	R2.1: Inventory should include: schools, parks, recreation facilities, police/fire/EMS, libraries, public works, and town administrative offices.
R3	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	Building Department, Planning Board, Consultant	Complete 4 years after permit effective date	2018	R3.1. Review bylaws and applications in order to incorporate green infrastructure and low impact development language as needed.	
						R3.2. Educate the public on green infrastructure through existing BMP retrofits/demonstration projects.	
R4	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.	Building Department, Planning Board, Consultant	Complete 4 years after permit effective date	2018	R4.1. Publish street design and parking lot guidelines on stormwater website.	
R5	Ensure any stormwater controls or management practices for new development and redevelopment will prevent or minimize impacts to water quality	Adoption, amendment or modification of a regulatory mechanism to meet permits requirements	Building Department, Planning Board, Consultant	Complete 2 years after permit effective date	2018	R5.1. Review rules and regulations and modify as needed. Include evaluation of subdivision/redevelopment requirements for long-term operations and management of private BMPs.	R5.1: Work to establish cash (instead of bond) surety with developers to create binding obligation to keep stormwater runoff onsite.
						R5.2. Continue to implement Post-Construction Site Runoff Control By-law.	

Town of Lakeville, Massachusetts MA MS4 General Permit - Control Measures
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CM #6 - Good House Keeping and Pollution Prevention for Permittee Owned Operations	
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BMP ID	BMP Categorization	BMP Description	Responsible Department/Parties	Measurable Goal	Beginning Year of Implementation	Approach	Comments
R1	O&M Procedures	Create written O&M procedures for parks and open spaces, buildings and facilities, and vehicles and equipment	Highway Department, Parks Department, Building Department, School Department, Consultant	Complete within 2 years after permit effective date	2018	R1.1. Develop standards of practice for O&M of each public facility and combine in Town O&M Manual.	
R2	Inventory all permittee-owned parks and open spaces, buildings and facilities (including their storm drains), and vehicles and equipment	Create inventory	Highway Department, Town Administrator, Consultant	Complete 2 years after permit effective date	2018	R2.1. Develop a capital improvement plan that deals with flooding prevention measures and water quality improvements.	R2.1: Coordinate with MCM #5 R2.1.
R3	Infrastructure O&M	Establish and implement program for repair and rehabilitation of MS4 infrastructure	Highway Department, Consultant	Complete 2 years after permit effective date	2018	R3.1. Inspect assets and assess condition to develop program. R3.2. Review annual budget to set aside funding.	R3.2: Continue to seek funding for retrofitting town-owned sites to improve stormwater treatment.
R4	Stormwater Pollution Prevention Plan (SWPPP)	Create Stormwater Pollution Prevention Plan (SWPPP) for maintenance garages, transfer stations and other waste-handling facilities	Highway Department, Consultant	Complete 2 years after permit effective date	2018	R4.1. Schedule annual employee training. R4.2. Develop an asset management system to process complaints, permits, inspections, and maintenance.	R4.1: Continue to look into new workshop and speaking opportunities, and seek formal training for all departments.
R5	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	Highway Department, Consultant	Clean catch basins on established schedule and report number of catch basins cleaned and volume of material moved annually	2018	R5.1. Develop and maintain cleaning schedule. R5.2. Develop electronic data collection system for tracking, inspection, and maintenance.	R5.2: Update catch basin cleaning services RFP requirements to require electronic data collection compatible with the Town's GIS and asset management system.
R6	Street Sweeping Program	Sweep all streets and permittee-owned parking lots in accordance with permit conditions	Highway Department, Consultant	Sweep all streets and permittee-owned parking lots once per year in the spring	2018		
R7	Road Salt use optimization program	Establish and implement a program to minimize the use of road salt	Highway Department	Implement salt use optimization during deicing season	2018	R7.1. Continue working on salt reduction strategies.	R7.1: Calibrate spreaders to reduce salt use.
R8	Inspections and maintenance of stormwater treatment structures	Establish and implement inspection and maintenance procedures	Highway Department, Consultant	Inspect and maintain treatment structures at least annually	2018	R7.1. Continue working on salt reduction strategies.	R7.1: Calibrate spreaders to reduce salt use.

Town of Lakeville, Massachusetts							
MA MS4 General Permit - Water Quality Impairments							
Nitrogen							
BMP ID	BMP Categorization	BMP Description	Responsible Department/Parties	Measurable Goal	Beginning Year of Implementation	Approach	Comments
R1	Public Education and Outreach	Residential and Business/Commercial/ Institution	Highway Department, Consultant	Distribute required messages each year.	2018	R1.1. Distribute an annual message to encourage proper use and disposal of grass clippings and the proper use of slow-release fertilizers.	R1.1: Distribute this message during the spring (April/May) timeframe.
						R1.2. Distribute an annual message encouraging the proper management of pet waste.	R1.2: Distribute this message during the summer (June/July) timeframe.
						R1.3. Distribute an annual message encouraging the proper disposal of leaf litter.	R1.3: Distribute this message during the fall (August/September/October) timeframe.
R2	Stormwater Management in New Development and Redevelopment			Incorporate TMDL into new stormwater regulations		R2.1. Include provisions in new regulations that require new development and redevelopment stormwater management BMPs to be optimized for nitrogen removal.	R2.1: Consider BMPs to reduce nitrogen discharge when retrofitting inventory and priority ranking in accordance with CMC #5, BMP R2.
R3	Good House Keeping and Pollution Prevention for Permittee Owned Operations			Establish procedures for dealing with waste produced on permittee owned properties		R3.1. Establish new requirements and management practices for fertilizer use.	R3.1-R3.3: Coordinate with implementation of BMPs under CMC #6.
						R3.2. Establish procedure to manage grass cuttings and leaf litter.	R3.3: Increase frequency to a minimum of two times per year, once in the spring and once in the fall.
						R3.3. Increase street sweeping frequency.	
R4	Nitrogen Source Identification Report			Complete within 4 years of the permit effective date		R4.1. Develop a written Nitrogen Source Identification Report as defined in <i>Appendix F</i> , page 48, Section B.I.1.b.	R4.1. Submit final report to EPA as part of annual report.
R5	Structural BMPs			Complete within 5 years of the permit effective date		R5.1. Evaluate all properties identified as having retrofit potential or potential structural BMP installation.	
						R5.2. Provide a listing of planned structural BMPs and a plan and schedule for implementation.	
						R5.3. Track structural BMPs and estimate nitrogen removal by each BMP	