

Stormwater Management Plan

MA MS4 General Permit Requirements

EPA NPDES Permit Number: MAR041118

*Prepared for:
Freetown, 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):

FOR COMMENT

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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 Freetown and its surrounding water bodies are shown on *Figure 1: System Locus*. The Freetown Notice of Intent (NOI) for coverage under the Small MS4 General Permit was submitted to EPA and MassDEP on September 25, 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 Freetown are currently a responsibility of the Town Planner, Chris McKay. The Town has not yet created/staffed a dedicated stormwater management position or stormwater committee, however the current departments involved in stormwater management are listed in the table below.

Name	Title	Department
Christopher McKay	Town Planner	Planning Board
		Board of Selectmen
David DeManche	Town Administrator	Town of Freetown
		Conservation Commission
		Board of Health
		Highway Department
<i>Additional Members*</i>		

A draft schedule has been developed in effort to comply with the NPDES Permit requirements and timelines as currently established. The draft schedule is attached as Appendix C.

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 Freetown’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 Freetown'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 Freetown'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 authorized by MassDEP, in compliance with part 2.1.2 of the Permit. Increased discharges refer to increased pollutant loading(s) through the MS4 to waters of the US or to impaired waters listed in categories 5 or 4b on the Massachusetts Integrated Report of waters, pursuant to the Clean Water Act. The Permit states that "any authorization of an increased discharge by MassDEP shall be incorporated into the permittee's SWMP."

At this time, the Town of Freetown has no new and/or increased discharges. Freetown will document any new and/or increased discharges, including any newly located outfall

beyond what was listed in the NOI, any new constructed outfall, or any new development increasing flow to existing MS4 outfall structures. These discharges will be documented on the form provided in Appendix F and will 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. In the Town of Freetown, there are two (2) industrial properties and one (1) private road (Birch Road) on the sewer system. Wastewater from these properties is sent to Fall River for treatment. Upon notification of any SSO or septic overflow, the Freetown Board of Health will take these appropriate measures to comply with Permit requirements.

As of May 2019, there are no known SSOs or septic overflows 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 interconnection 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 be 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, as Article 27 of the Town bylaws.

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 of 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 existing stormwater pollution prevention plans.

2.9 Activities to Monitor Discharges

The Town will identify any discharges within 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.

FOR COMMENT

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. Further detailed in section 4.2, 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

Freetown Town staff have displayed stormwater posters in schools, the library and town offices to educate the public on pollution prevention and stormwater practices. A pollution prevention fact sheet was also shared on the Town's Facebook page with tips to reduce pet waste pollution. The Town has also added "Do Not Dump" stencils to catch basins during catch basin cleaning in pertinent areas. Presentations have been made to educate Town Boards and Commissions as well as local students on proper stormwater management practices. Employees have also attended educational workshops for "Community Resilience in the Taunton Watershed" and "Healthy Nemasket/Assawompsett Complex." The Town continues to hold annual household hazardous waste collection days for local residences. Stormwater management

information has been broadcasted and posted to the Town website and local cable channel, including the weekly broadcast of EPA's "Reduce Runoff: Slow it Down, Spread it Out, Soak it In" video.

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. Maintain stormwater website with hyperlinks to stormwater related bylaws.
 - a) https://www.freetownma.gov/sites/freetownma/files/u74/bylawsjun2018_20180719135042.pdf
 2. Keep outreach materials at Library and Town Hall and publish on stormwater website once developed, utilizing materials from the DEP, EPA, and Taunton River Watershed Association.
 3. Distribute New Resident packets to residents within Wetland Protection Areas.
 4. Distribute pet waste control information to residents when they (re)apply for a pet license.
 5. 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.
 3. Distribute information to septic maintenance contractors.
 - C. Developers (Construction)
 1. Include stormwater information materials as appendix to building and site plan review permit applications.
 2. Make information available on stormwater website and at Town Hall.
 3. Distribute information to developers based on zoning and property use.
 - D. Industrial Facilities
 1. Distribute stormwater information to industrial groups based on zoning and property use.
 2. Make information available on 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

Public meetings with watershed/waterbody associations are posted to the town website along with events and activities for public involvement. The Town supports local clean-ups of various community areas held by Freetown Lakeville Athletics Association and the Bristol County Sheriff's Department/Assonet Bay Shores Association. Taunton River Watershed Alliance also organizes a volunteer water monitoring program, which helps give community members a sense of responsibility for town water quality.

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.
 2. Create and use Stormwater Website to publish SWMP and annual reports. Website should contain a space for electronically soliciting public comments (e.g. stormwater specific e-mail, message board, etc.)
 - a) Make physical copy available at Town Hall, Library, Highway Department, etc.
- II. Public Participation
 - A. Participate in local stormwater groups/associations (e.g. Taunton River Watershed Alliance, Assonet Bay Shores Association).
 - B. Maintain/Acquire membership with other local water quality committees.
- III. Continue to host hazardous waste collection days.
- IV. Continue to hold Town clean-up days with various groups.
- V. Continue to post information on Town website to encourage participation in water monitoring activities in partnership with the Taunton River Watershed Association.
- VI. Reestablish the poster contest in-house by soliciting sponsorships from local businesses to create stormwater awareness.

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 within the Town of Freetown’s MS4 area. These outfall structures are displayed on *Figure 2: MS4 Urbanized Areas*.

Waterbody that receives flow from the MS4 and segment ID if applicable	Number of outfalls into receiving water segment	Other pollutant(s) causing impairments										
		Chloride	Chlorophyll-a	Dissolved Oxygen/DO Saturation	Nitrogen	Oil & Grease/PAH	Phosphorus	Solids/TSS/Turbidity	E. coli	Enterococcus		
Assonet River (MA62-19, MA62-20)	13	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Fecal Coliform
East Freetown Pond (MA62063)	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"/>	<input type="checkbox"/>	Non-Native Aquatic Plants
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"/>	<input type="checkbox"/>	Non-Native Aquatic Plants
Squinn Brook	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"/>	<input type="checkbox"/>	
Unnamed Cranberry Bog South of Long Pond (41.77648, -70.94120)	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"/>	<input type="checkbox"/>	
Unnamed Pond South of Assonet River (41.78904, -71.07546)	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"/>	<input type="checkbox"/>	
Unnamed Pond South of Long Pond (41.77132, -70.94224)	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"/>	<input type="checkbox"/>	
Unnamed Pond West of Assonet River (41.78783, -71.08896)	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"/>	<input type="checkbox"/>	
Unnamed Pond West of Squinn Brook (41.77297, -70.92930)	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"/>	<input type="checkbox"/>	
Unnamed Tributary (MA62-42)	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"/>	<input type="checkbox"/>	Aquatic Macroinvertebrate Bioassessments, Fishes Bioassessments
Unnamed Tributary North of Forge Pond (41.81671, -71.06192)	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"/>	<input type="checkbox"/>	
Unnamed Tributary South of Long Pond (41.75294, -70.94174)	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"/>	<input type="checkbox"/>	
Unnamed Tributary to Taunton River (41.76376, -71.10614)	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"/>	<input type="checkbox"/>	
Unnamed Wetlands South of Assonet River (41.79729, -71.09184)	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"/>	<input type="checkbox"/>	
Unnamed Wetlands South of Forge Pond (41.79903, -71.04624)	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"/>	<input type="checkbox"/>	
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

3.3.1 Background

The Freetown IDDE bylaws have been developed and reviewed to include town meeting articles, and a procedure for non-stormwater discharges was established in bylaw amendments to mitigate illegal dumping, see article 27 of the Town bylaws, attached in Appendix H. Town stormwater infrastructure has been mapped in GIS and will continue to be updated when new features are installed. In order to stimulate public awareness for reporting illegal dumping operations, a presentation on stormwater management, pollution and illicit discharges has been given at Town Meeting. There are only two (2) properties in Freetown on a sewer system, with wastewater transported to Fall River, so the focus for IDDE in Town is on failing septic systems. The Town encourages resident participation in the Water Pollution Abatement Trust loan program to minimize the contamination of the drainage system from failing septic systems.

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 1 year of effective permit date that logs historical SSOs that have occurred in the last 5 years, as discussed in further detail in section 2.5.

1. Coordinate with Water/Sewer Division for tracking of any future SSOs.
 - a) The Town transports wastewater from the sewer connections to Fall River. The Town does not operate a package plant.

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 utility expansion projects.
4. Cross reference drainage information to ensure mapping is as accurate as possible.
5. Map/verify country drainage – (e.g. scuppers), in addition to outfall pipes.

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 within the Town Hall at 3 North Main Street, Assonet, MA 02702.

1. The written plan will include but is not limited to the following:
 - a) Outline of responsibilities
 - b) Storm sewer map with locations of known outfalls, including information on relevant connectivity data gaps
 - c) Systematic procedure/protocol to detect and eliminate illicit

- discharges
 - d) Assessment/ranking of catchments (based on complaints, past water quality data, adjacent failing septic/sewer systems, density, surrounding area, TMDL surface waters)
 - e) Tracking mechanism to evaluate and report on the overall effectiveness of the IDDE program.
- V. Implement IDDE Program
- A. Implement catchment investigations according to program and permit conditions within 15 months of effective permit date.
 - 1. Continue to enforce IDDE bylaw.
 - 2. Draft and implement stormwater management regulations.
 - 3. Conduct water quality monitoring through dry weather screening
 - a) The water quality monitoring practice should involve inspections 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, within 3 years of effective permit date.
 - 1. 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, within 10 years of effective permit date.
 - B. To identify areas with higher potential for illicit connections, the permittee shall identify the presence of any of the following System Vulnerability Factors (SVFs):
 - 1. History of SSOs, including, but not limited to, those resulting from wet weather, high water table, or fat/oil/grease blockages;
 - 2. Common or twin-invert manholes serving storm and sanitary sewer alignments;
 - 3. Common trench construction serving both storm and sanitary sewer alignments;
 - 4. Crossings of storm and sanitary sewer alignments where the sanitary system is shallower than the storm drain system;
 - 5. Sanitary sewer alignments known or suspected to have been constructed with an underdrain system;
 - 6. Inadequate sanitary sewer level of service (LOS) resulting in regular surcharging, customer back-ups, or frequent customer complaints;
 - 7. Areas formerly served by combined sewer systems;
 - 8. Sanitary sewer infrastructure defects such as leaking service laterals, cracked, broken, or offset sanitary infrastructure, directly

piped connections between storm drain and sanitary sewer infrastructure, or other vulnerability factors identified through Inflow/Infiltration Analyses, Sanitary Sewer Evaluation Surveys, or other infrastructure investigations.

- IX. Conduct ongoing screening upon completion of the IDDE program.
- X. IDDE Regulations
 - A. Continue to eliminate illicit discharge violations.

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

The local bylaws for construction site stormwater runoff control have been reviewed with amendments included. To publicize and adopt these changes, a presentation was made at Town Meeting to educate the public on the best management practices and stimulate public awareness. The Building Committee has also added "How Do I Get Stormwater Permit Coverage for my Construction Site" information to the building department webpage.

3.4.2 Best Management Practices

- I. Site Inspection and Enforcement of Erosion and Sediment Control (ESC) Measures Procedures
 - 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 (e.g. Conservation Commission, Highway Department, Building Department, etc.)
 - 2. Develop inspection form that includes ESC measures and integrate them with existing Town forms.
- II. Site Plan Review Procedures
 - A. Complete written procedures of site plan review and begin implementation within 1 year of the effective date of the Permit.

1. Include site plan review workflow chart with permit applications.
 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 the 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 implement Soil and Erosion Control bylaw.
 4. Continue to monitor all construction activities within the Town of Freetown for erosion and sediment control issues.
- 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 the effective date of the Permit.
 1. Incorporate into Town's general conditions for building permit and/or site plan review.
 2. Continue to review and modify Town bylaw to meet new requirements.
- V. Pre-Construction/Coordination Meetings
- A. Continue GIS mapping and develop protocol for submitting as-builts electronically.

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

Current bylaws for post-construction requirements have been reviewed with Town Meeting amendments added. The Town has designated a new zoning district "Open Space and Recreation" protecting the lands that the Town has identified as needing protection, and is in the process of forming an open space plan in conjunction with plans

for watershed areas. The Town currently requires relevant projects to appear before the Conservation Commission to ensure compliance with MADEP stormwater standards, and to present all BMP and Operation and Maintenance plans. The Town Planning Board sends out an engineer to review erosion controls and stormwater mitigation installations during construction.

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.

VII. Continue to implement measures that encourage priority open space protection.

3.6 Good House Keeping and Pollution Prevention for Permittee Owned Operations

The objective of this control measure, part 2.3.7 of the Permit, states that the permittee shall implement an operations and maintenance program for Town-owned operations that shall focus on preventing or reducing pollutant runoff and protecting water quality from Town operations.

3.6.1 Background

In efforts to control stormwater pollution, the Town continues street sweeping, catch basin cleaning and yard waste recycling. The Assawompset Pond Complex Committee works with MADEP and MADOT to evaluate and mitigate regional flooding concerns. The Committee has made recommendations for maintenance and repair of culverts and other drainage structures in Freetown's drainage system. A historic flooding area has been removed from Narrows Road in Freetown, which has restored fish passage and will likely reduce the risk of flooding from severe storms in the future. As part of the toxins prevention plan, the Town has an active spill response unit to prevent pollution in the event of a release in or around the drainage system. The Highway Department submits annual operating and capital improvement budgets for maintenance and improvement of the drainage system in order to keep local officials informed.

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.
 - A. Develop standards of practice for O&M of each public facility and combine in Town O&M Manual.

- 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. Continue to 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.
 - D. Continue to implement recycling standards and requirements.
- V. Catch Basin Cleaning
 - A. Develop and maintain an annual 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, sweeping streets a minimum of once annually in the spring.
 - B. Include number of miles of streets cleaned per year, and volume or mass or material removed in each annual stormwater report (rural and uncurbed exceptions apply).
- VII. Road Salt use Optimization Program/Winter Road Maintenance
 - A. Continue working on salt reduction strategies.
 - 1. Continue to develop and implement winter road maintenance procedures including use and storage of salt and sand
 - 2. Continue to minimize the use of salts and ensure that snow is not disposed into water ways.
 - 3. Calibrate spreaders to reduce salt use.
- VIII. Inspections and maintenance of stormwater treatment structures.
 - A. Establish and implement inspection and maintenance procedures for annual inspections/maintenance.
 - B. Continue documenting catch basin and outfall inspection/condition data.

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 water and ground water. 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. The MS4 area and Town watersheds are shown on *Figure 3: Town Watersheds*, and an overall map of the Town of Freetown's stormwater system is attached as *Figure 4: Stormwater System Map*.

Town of Freetown, Massachusetts			
Massachusetts Year 2014 Integrated List of Waters			
Impaired Waters			
Category	Name	Segment ID	Impairment Cause
5 - "Water Requiring a TMDL"	Unnamed Tributary	MA62-42	Aquatic Macroinvertebrate Bioassessments Fishes Bioassessments
*TMDL not required (Non-pollutant)			

4.1 Background

These best management practices aim to improve and mitigate stormwater water quality impairments. This program will focus on impaired waters in Freetown requiring a TMDL (Category 5) in the Taunton River Watershed and the Buzzards Bay Watershed, shown on *Figure 3*.

The majority of the Town outfalls, twenty-eight (28) outfalls, are located within the Taunton River Watershed. The Taunton River Watershed has a watershed-wide EPA approved TMDL requirement for bacteria and pathogens. This impairment requires Freetown to follow the below requirements (see section 4.2.1) to mitigate pathogen discharges to the MS4. The Town should prioritize sampling outfalls within the Taunton Watershed for bacteria and pathogens.

In addition to the Taunton River Watershed bacteria and pathogen requirements, all discharges in the Taunton River Watershed must also be tested for Nitrogen and the Town must adhere to requirements listed in part I of Appendix H of the Permit.

The remaining four (4) outfalls in Town are located within the Buzzards Bay watershed. This watershed also has a watershed-wide EPA approved TMDL requirement for bacteria and pathogens. This impairment requires Freetown to follow the requirements listed for bacteria and pathogens below to mitigate contaminated discharges to the MS4. The Town should also focus sampling these four (4) outfalls for bacteria and pathogens.

Within the Taunton River Watershed portion of Town, there is one water body listed as a category 5 water requiring a TMDL. This water body, an Unnamed Tributary (MA62-42), is shown on *Figure 2* and is impaired due to aquatic macroinvertebrate bioassessments and fishes bioassessments. There are no specific requirements that apply to these impairments. Though the Assonet River is not listed as a Category 5 water body in Freetown, it is impaired due to fecal coliform. Outfalls discharging to this water body should still be prioritized for sampling fecal coliform in sampling procedures.

4.2 Permit Requirements

4.2.1 Public Education and Outreach

a. Bacteria

- Distribute an annual message that encourages the proper management of pet waste, including noting any existing ordinances where appropriate.
- Disseminate educational materials to dog owners at the time of issuance or renewal of dog license, or other appropriate time.

b. Nitrogen

- Distribute an annual message in the spring (April/May) timeframe that encourages the proper use and disposal of grass clippings and encourages the proper use of slow-release fertilizers.
- Distribute an annual message in the summer (June/July) timeframe encouraging the proper management of pet waste, including noting any existing ordinances where appropriate.
- Distribute an annual message in the fall (August/September/October) timeframe encouraging the proper disposal of leaf litter.

4.2.2 Stormwater Management in New Development and Redevelopment

a. Nitrogen

- Include a requirement that new development and redevelopment stormwater management BMPs be optimized for nitrogen removal.
- Retrofit inventory and priority ranking under 2.3.6.1.b shall include consideration of BMPs to reduce nitrogen discharges.

4.2.3 Good House Keeping and Pollution Prevention

a. Nitrogen

- Establish requirements for use of slow release fertilizers on permittee owned property currently using fertilizer, in addition to reducing and managing fertilizer use as provided in 2.3.7.1
- Establish procedures to properly manage grass cuttings and leaf litter on permittee property, including prohibiting blowing organic waste materials onto adjacent impervious surfaces.
- Increase street sweeping frequency of all municipal owned streets and parking lots subject to Permit part 2.3.7.a.iii.(c) to a minimum of two times per year, once in the spring (following winter activities such as sanding) and at least once in the fall (September 1 - December 1; following leaf fall).

4.2.4 *Illicit Discharge Detection and Elimination*

a. Bacteria, Nitrogen, Solids

- Implement the illicit discharge program required by the Permit. Catchments draining to any water body impaired for any of the listed impairments shall be designated either Problem Catchments or HIGH priority in implementation of the IDDE program.

4.2.5 *Additional Requirements (Nitrogen)*

a. Nitrogen

- Within four years of the permit effective date the permittee shall complete a Nitrogen Source Identification Report. The report shall include the following elements:
 - Calculation of total MS4 area draining to the water quality limited water segments or their tributaries, incorporating updated mapping of the MS4 and catchment delineations produced pursuant to part 2.3.4.6
 - All screening and monitoring results pursuant to part 2.3.4.7.d, targeting the receiving water segment(s)
 - Impervious area and DCIA for the target catchment
 - Identification, delineation, and prioritization of potential catchments with high nitrogen loading
 - Identification of potential retrofit opportunities or opportunities for the installation of structural BMPs during redevelopment
 - The final Nitrogen Source Identification Report shall be submitted to EPA as part of the year 4 annual report.
 - Within five years of the permit effective date, the permittee shall evaluate all permittee-owned properties identified as presenting retrofit opportunities or areas for structural BMP installation under permit part 2.3.6.d.ii. Or identified in the Nitrogen Source Identification Report that are within the drainage area of the impaired water or its tributaries.
 - The permittee shall provide a listing of planned structural BMPs and a plan and schedule for implementation in the year 5 annual report.
 - The permittee shall plan and install a minimum of one structural BMP as a demonstration project within the drainage area of the water quality limited water or its tributaries within six years of the permit effective date. The demonstration project shall be installed targeting a catchment with high nitrogen load potential.
 - The permittee shall install the remainder of the structural BMPs in accordance with the plan and schedule provided in the year 5 annual report.

- Any structural BMPs listed in Table 3 of Attachment 1 to Appendix H already existing or installed in the regulated area by the permittee or its agents shall be tracked and the permittee shall estimate the nitrogen removal by the BMP consistent with Attachment 1 to Appendix H. The permittee shall document the BMP type, total area treated by the BMP, the design storage volume of the BMP and the estimated nitrogen removed in mass per year by the BMP in each annual report.

At any time during the permit term, the Town may be relieved of additional requirements in Appendix H Part I and III when in compliance with the Permit requirements.

TABLE 1

IMPAIRED WATERS, TMDLS AND IMPAIRMENTS

FOR COMMENT

Town of Freetown, Massachusetts
Massachusetts Year 2014 Integrated List of Waters
Impaired Waters

Category	Name	Segment ID	Description	Size	Units	Impairment Cause
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
						*TMDL not required (Non-pollutant)

FOR COMMENT

FIGURE 1
SYSTEM LOCUS

FOR COMMENT

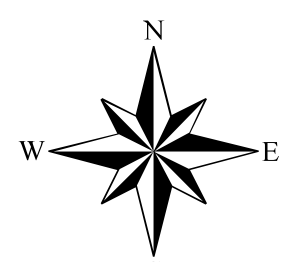
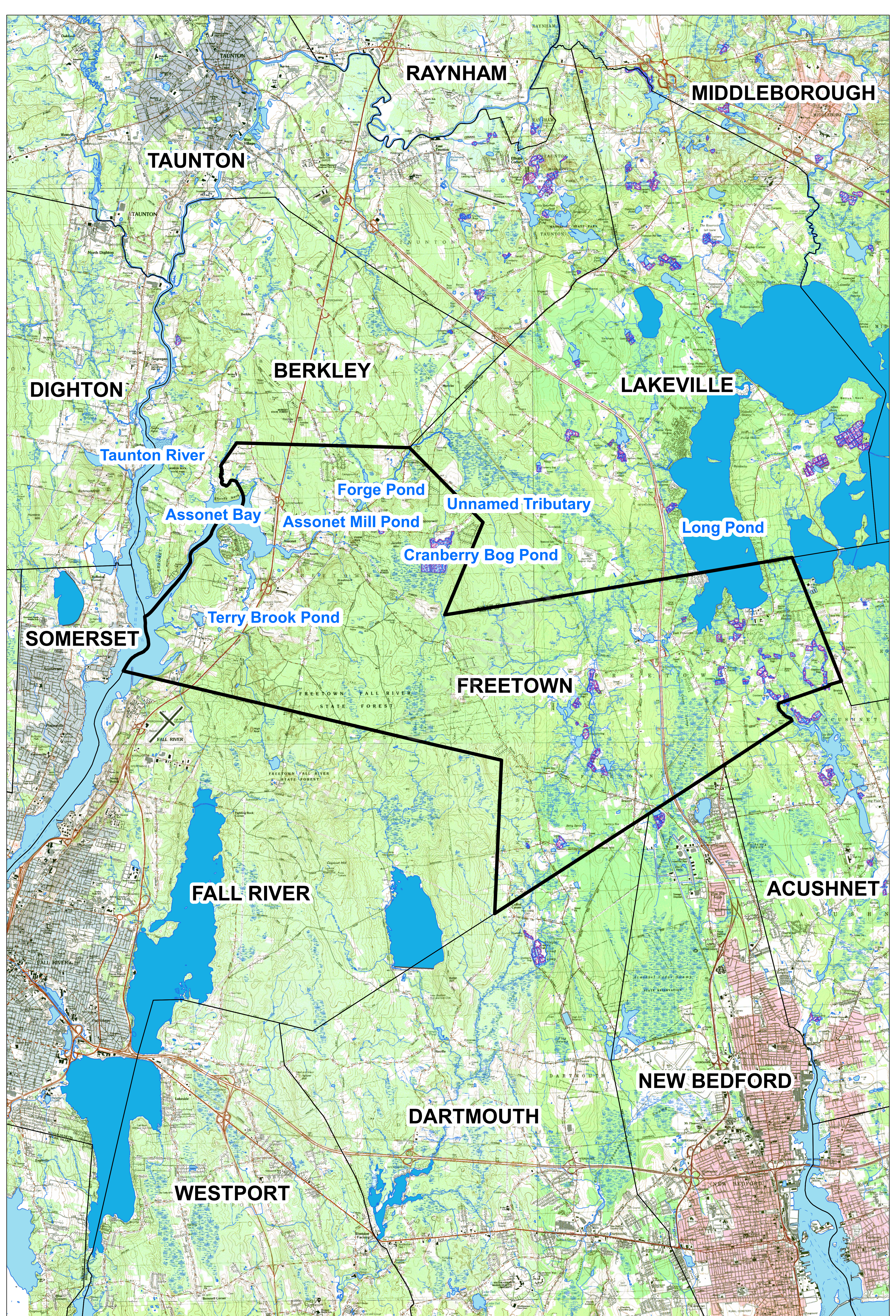


FIGURE 2

MS4 URBANIZED AREAS

FOR COMMENT

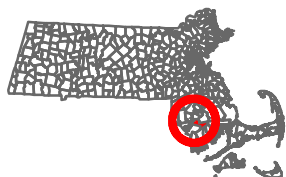
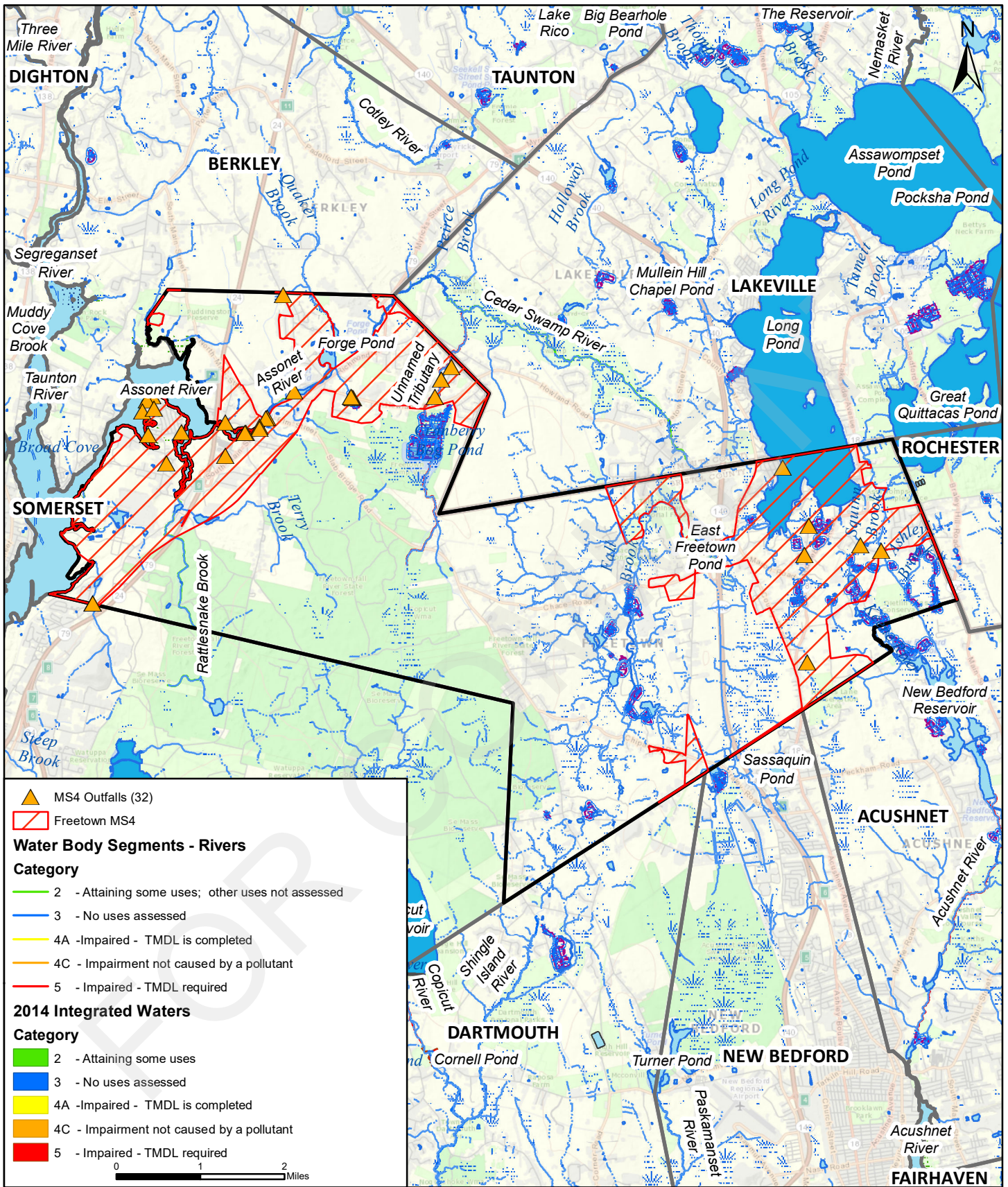


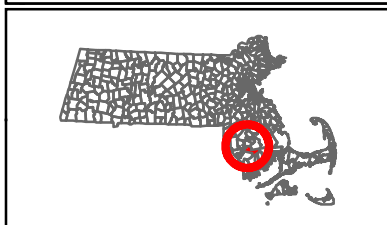
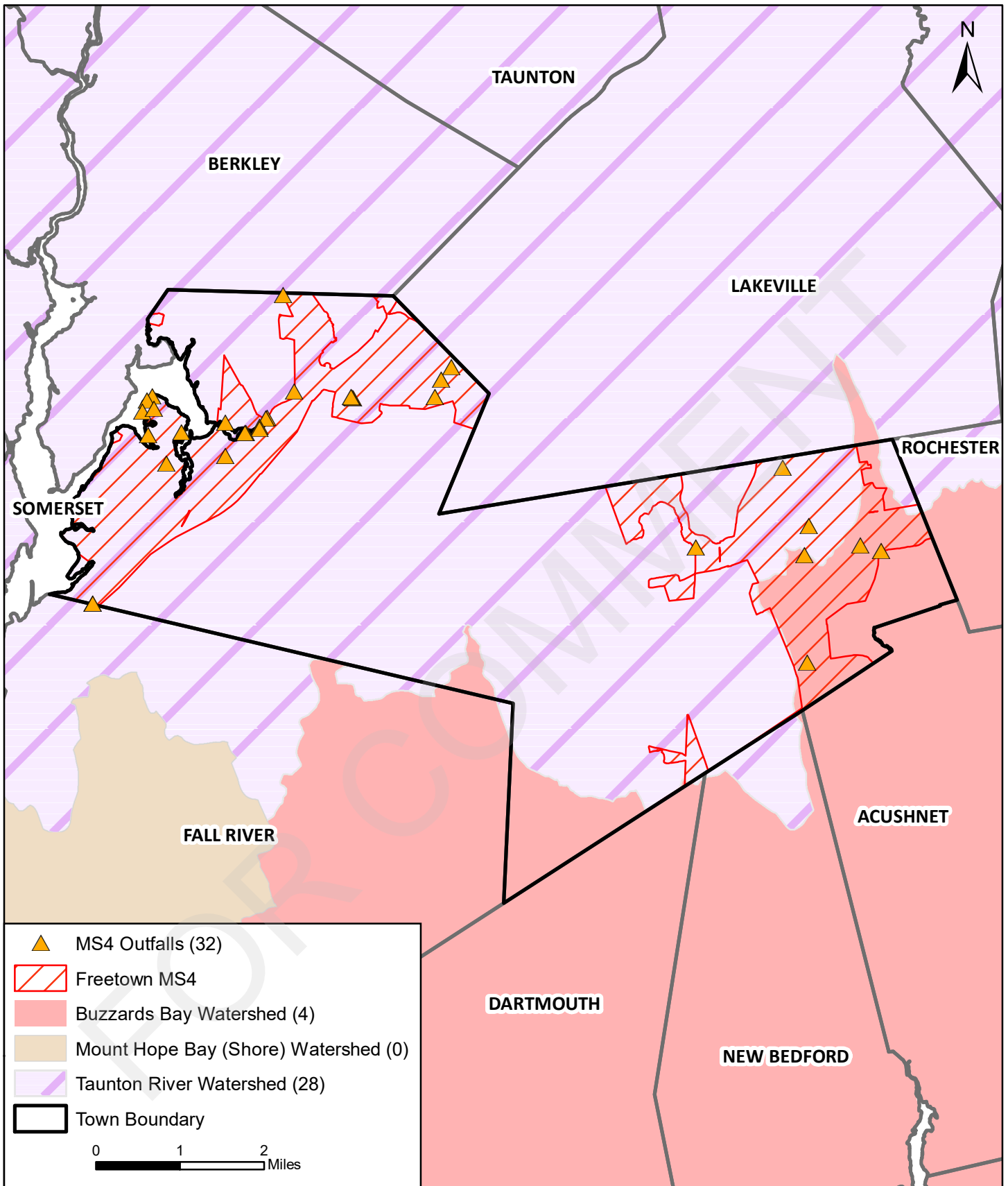
Figure 2: MS4 Urbanized Areas
Freetown, Massachusetts
November 2018



FIGURE 3

TOWN WATERSHEDS

FOR COMMENT



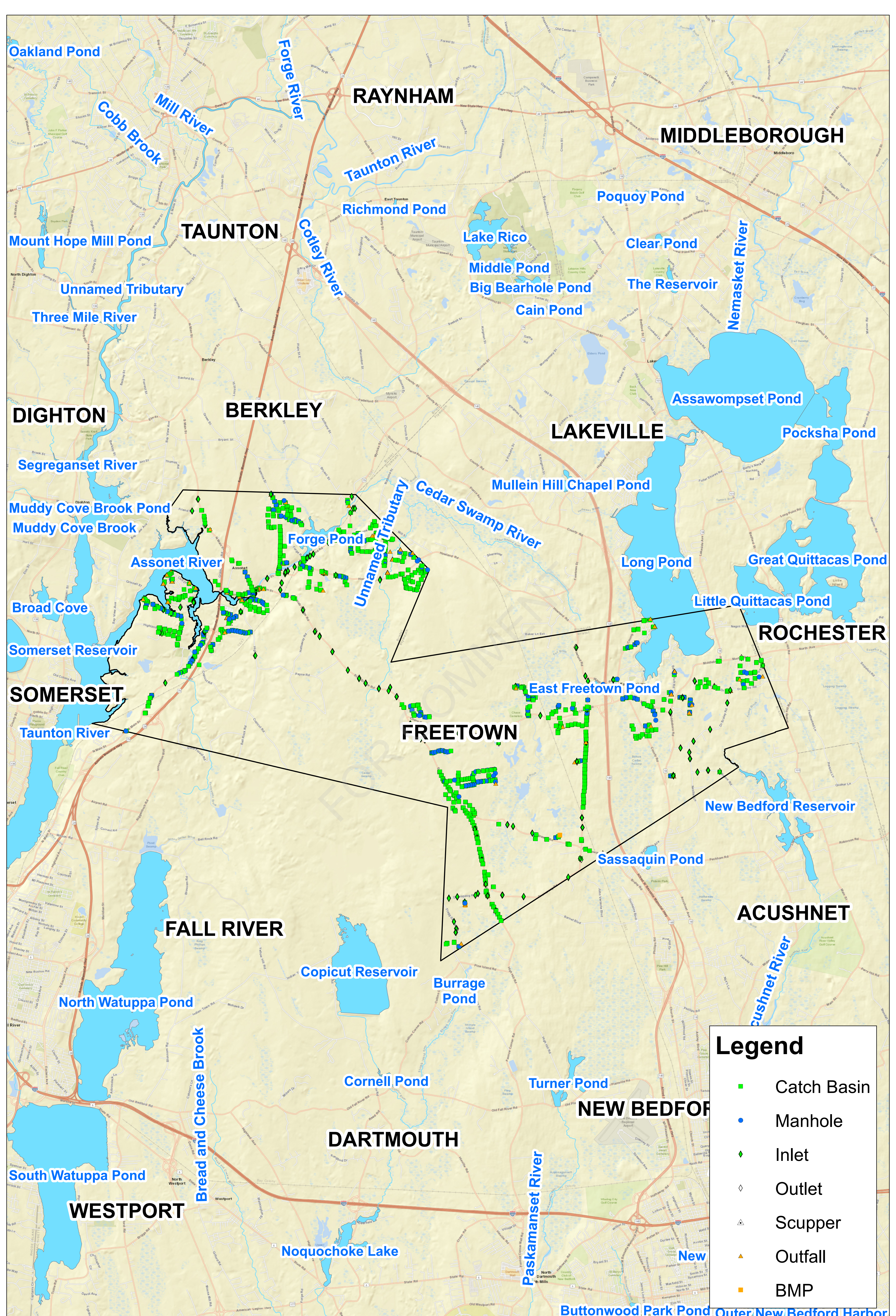
**Figure 3: Town Watersheds
Freetown, Massachusetts
November 2018**



FIGURE 4

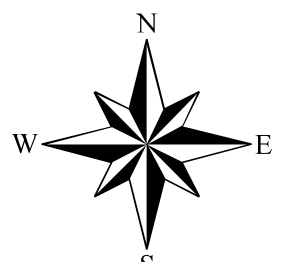
STORMWATER SYSTEM MAP

FOR COMMENT



Legend

- Catch Basin
- Manhole
- ◆ Inlet
- ◇ Outlet
- ▲ Scupper
- ▲ Outfall
- BMP



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: <https://www.freetownma.gov/>

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/npdespermits/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_pcsn

MCM 6: Good House Keeping 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? <i>(Part II, III, IV or V, Subpart B.3.(a.) of 2003 permit)</i>	<input type="text" value="100%"/> If 100% of 2003 requirements not met, enter an estimated date of completion (MM/DD/YY): <input type="text"/>
Web address where MS4 map is published: <small>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)</small>	<input type="text" value="http://bit.ly/2CvQkd7"/>
Regulatory Authorities (if covered under the 2003 permit)	
Illicit Discharge Detection and Elimination (IDDE) Authority Adopted? <i>(Part II, III, IV or V, Subpart B.3.(b.) of 2003 permit)</i>	<input type="text" value="Yes"/> Effective Date or Estimated Date of Adoption (MM/DD/YY): <input type="text" value="11/20/06"/>
Construction/Erosion and Sediment Control (ESC) Authority Adopted? <i>(Part II,III,IV or V, Subpart B.4.(a.) of 2003 permit)</i>	<input type="text" value="Yes"/> Effective Date or Estimated Date of Adoption (MM/DD/YY): <input type="text" value="11/20/06"/>
Post- Construction Stormwater Management Adopted? <i>(Part II, III, IV or V, Subpart B.5.(a.) of 2003 permit)</i>	<input type="text" value="Yes"/> Effective Date or Estimated Date of Adoption (MM/DD/YY): <input type="text" value="11/20/06"/>

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

Click to lengthen table

FOR COMMENT

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 <small>(enter your own text to override the drop down menu)</small>	BMP Description	Targeted Audience	Responsible Department/Parties <small>(enter your own text to override the drop down menu)</small>	Measurable Goal	Beginning Year of BMP Implementation
Displays/Posters/Kiosks	Public education and awareness	Residents	Board of Selectmen, Town Administrator	Distribute at least two educational messages within the permit term (5 Years)	2018
Displays/Posters/Kiosks	Public education and awareness	Businesses, Institutions and Commercial Facilities	Board of Selectmen, Town Administrator	Distribute at least two educational messages within the permit term (5 Years)	2018
Displays/Posters/Kiosks	Public education and awareness	Developers (construction)	Board of Selectmen, Town Administrator	Distribute at least two educational messages within the permit term (5 Years)	2018
Displays/Posters/Kiosks	Public education and awareness	Industrial Facilities	Board of Selectmen, Town Administrator	Distribute at least two educational messages within the permit term (5 Years)	2018
Web Page	Posting stormwater management information on the Town website	Residents	Board of Selectmen, Town Administrator	Distribute at least two educational messages within the permit term (5 Years)	2018
Web Page	Posting stormwater management information on the Town website	Businesses, Institutions and Commercial Facilities	Board of Selectmen, Town Administrator	Distribute at least two educational messages within the permit term (5 Years)	2018

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

Part III: Stormwater Management Program Summary (continued)

MCM 2: Public Involvement and Participation

BMP Categorization	Brief BMP Description (enter your own text to override the drop down menu)	Responsible Department/Parties (enter your own text to override the drop down menu)	Additional Description/ Measurable Goal	Beginning Year of BMP Imple- mentation
Public Review	SWMP Review	Board of Selectmen, Town Administrator	Allow annual review of stormwater management plan and posting of stormwater management plan on website	2019
Public Participation	SWMP Review	Board of Selectmen, Town Administrator	Allow public to comment on stormwater management plan annually	2019
Public Participation	Public Meeting - Stormwater, Partnership - Advocacy Groups	Board of Selectmen, Town Administrator	Continue participation with watershed/waterbody associations, and post information about upcoming meetings on the Town website	2019
Public Participation	Cleanups - Shoreline/Waterbody	Board of Selectmen, Town Administrator	Continue to support annual cleanups with the Assonet Bay Shores Association	2018
Public Participation	Household haz. waste/used oil collection	Board of Selectmen, Town Administrator	Continue to host biannual hazardous waste collection days	2018
Public Participation	Water monitoring	Board of Selectmen, Town Administrator	Continue to post information on Town website to encourage participation in water monitoring activities in partnership with the Taunton River Watershed Alliance	2018
Public Participation	Poster Contest	Board of Selectmen, Town Administrator	Reestablish poster contest in-house by soliciting sponsorships from local businesses to create stormwater awareness practices	2018

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

Part III: Stormwater Management Program Summary (continued)

MCM 3: Illicit Discharge Detection and Elimination (IDDE)

BMP Categorization (enter your own text to override the drop down menu)	BMP Description	Responsible Department/Parties (enter your own text to override the drop down menu)	Measurable Goal (all text can be overwritten)	Beginning Year of BMP Implementation
SSO inventory	Develop SSO inventory in accordance of permit conditions	Board of Selectmen, Town Administrator	Complete within 1 year of effective date of permit	2018
Storm sewer system map	Create map and update during IDDE program completion	Board of Selectmen, Town Administrator	Update map within 2 years of effective date of permit and complete full system map 10 years after effective date of permit	2019
Written IDDE program	Create written IDDE program	Board of Selectmen, Town Administrator	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	Board of Selectmen, Town Administrator	Complete 10 years after effective date of permit	2019
Employee training	Train employees on IDDE implementation	Board of Selectmen, Town Administrator	Train annually	2018
Conduct dry weather screening	Conduct in accordance with outfall screening procedure and permit conditions	Board of Selectmen, Town Administrator	Complete 3 years after effective date of permit	2019
Conduct wet weather screening	Conduct in accordance with outfall screening procedure	Board of Selectmen, Town Administrator	Complete 10 years after effective date of permit	2019
Ongoing screening	Conduct dry weather and wet weather screening (as necessary)	Board of Selectmen, Town Administrator	Complete ongoing outfall screening upon completion of IDDE program	2018
Public Awareness	Stimulate public awareness for reporting of illegal dumping	Board of Selectmen, Town Administrator	Continue to provide public contact information	2018

FOR COMMENT

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	Board of Selectmen, Town Administrator	Complete within 1 year of the effective date of permit	2018
Site plan review	Complete written procedures of site plan review and begin implementation	Board of Selectmen, Town Administrator	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	Board of Selectmen, Town Administrator	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	Board of Selectmen, Town Administrator	Complete within 1 year of the effective date of permit	2018
Website	Update the Building Department website as necessary	Building Commissioner	Continue to update website	2018

FOR COMMENT

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

Part III: Stormwater Management Program Summary (continued)

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

BMP Categorization (enter your own text to override the drop down menu or entered text)	BMP Description	Responsible Department/Parties (enter your own text to override the drop down menu)	Measurable Goal (all text can be overwritten)	Beginning Year of BMP Implementation
As-built plans for on-site stormwater control	The procedures to require submission of as-built drawings and ensure long term operation and maintenance will be a part of the SWMP	Board of Selectmen, Town Administrator	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	Board of Selectmen, Town Administrator	Complete 4 years after effective date of permit and report annually on retrofitted properties	2019
Allow green infrastructure	Develop a report assessing existing local regulations to determine the feasibility of making green infrastructure practices allowable when appropriate site conditions exist	Board of Selectmen, Town Administrator	Complete 4 years after effective date of permit and implement recommendations of report	2019
Street design and parking lot guidelines	Develop a report assessing requirements that affect the creation of impervious cover. The assessment will help determine if changes to design standards for streets and parking lots can be modified to support low impact design options.	Board of Selectmen, Town Administrator	Complete 4 years after effective date of permit and implement recommendations of report	2019

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FOR COMMENT

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	Board of Selectmen, Town Administrator	Complete and implement 2 years after effective date of permit	2019
Inventory all permittee-owned parks and open spaces, buildings and facilities, and vehicles and equipment	Create inventory	Board of Selectmen, Town Administrator	Complete 2 years after effective date of permit and implement annually	2019
Infrastructure O&M	Establish and implement program for repair and rehabilitation of MS4 infrastructure	Board of Selectmen, Town Administrator	Complete 2 years after effective date of permit	2019
Stormwater Pollution Prevention Plan (SWPPP)	Create SWPPPs for maintenance garages, transfer stations, and other waste-handling facilities	Board of Selectmen, Town Administrator	Complete and implement 2 years after effective date of permit	2019
Catch basin cleaning	Establish schedule for catch basin cleaning such that each catch basin is no more than 50% full and clean catch basins on that schedule	Board of Selectmen, Town Administrator	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	Board of Selectmen, Town Administrator	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	Board of Selectmen, Town Administrator	Implement salt use optimization during deicing season	2018

Inspections and maintenance of stormwater treatment structures	Establish and implement inspection and maintenance procedures and frequencies	Board of Selectmen, Town Administrator	Inspect and maintain treatment structures at least annually	2018
Record keeping of inspection data	Continue documenting catch basin and outfall inspection/condition data	Highway Surveyor	Continue recording data	2018

FOR COMMENT

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

Part III: Stormwater Management Program Summary (continued)

Actions for Meeting Total Maximum Daily Load (TMDL) Requirements

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

Applicable TMDL	Action Description	Responsible Department/Parties <small>(enter your own text to override the drop down menu)</small>
Buzzards Bay (Bacteria/Pathogen)	Adhere to requirements in part A.III of Appendix F	Highway Department
Taunton River Watershed (Bacteria/Pathogen)	Adhere to requirements in part A.III of Appendix F	Highway Department

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: Outfalls by Watershed

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. The USFWS Concurrence Letter is attached.

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).

FOR COMMENT

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

Part V: Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, I certify that the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name:

DAVID DEMANCHE

Title:

TOWN ADMINISTRATOR

Signature:

David Demanche

Date:

9/28/18

[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
Freetown, Massachusetts
December 6, 2018**

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 – Highway 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)*
 - Bacteria and Pathogens: Targeting Dog Waste/Septic Systems for Buzzards Bay Watershed
- 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.
- Education/Outreach – Two educational messages to each of the 4 audiences over 5 years
- Additional Education/Outreach (x2 for Impaired Water Requirements)*
 - Bacteria and Pathogens: Targeting Dog Waste / Septic Systems for Assonet River, New or Redevelopment BMPs targeting solids
- 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)*
 - Bacteria: Targeting Dog Waste / Septic Systems for – Buzzards Bay 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.
- Additional Education/Outreach (x2 for Impaired Water Requirements)*
 - Bacteria: Targeting Dog Waste / Septic Systems for – Buzzards Bay 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.
- Plan and Scheduled for BMPs - Nitrogen removal*
- Additional Education/Outreach (x2 for Impaired Water Requirements)*
 - Bacteria: Targeting Dog Waste / Septic Systems for – Buzzards Bay Watershed
- Public Participation
- Annual Training



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

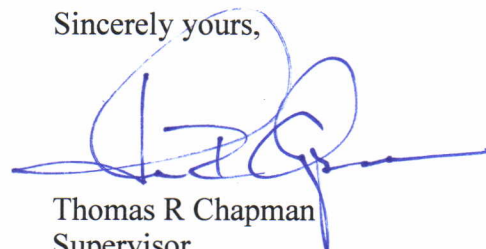
species listed under **Criterion C**,¹ you may still use this letter to certify under **Criterion B**. All existing guidance regarding requirements for certifying eligibility according to the USFWS Criterion A, B, or C for coverage by the 2016 MS4 Permit (see MA MS4 General Permit Appendix C – Endangered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

1900 Crown Colony Drive, Suite 402
Quincy, MA 02169

September 17, 2018

To: U.S. Fish and Wildlife Service
New England Field Office
70 Commercial St., Suite 300
Concord, NH 03301

RE: Project Review Request, Stormwater MS4, Freetown, MA, 05E1NE00-2018-SLI-2941

We have reviewed the referenced project using the Environmental Protection Agency's (EPA) project review process for our Municipal Separate Storm Sewer System (MS4) and have followed all guidance and instructions in completing the review. We completed our review on August 31, 2018, and are submitting our project package in accordance with the instructions for further review. The U.S. Fish and Wildlife Service's (Service) Information for Planning and Consultation (IPaC) species list indicated these species may be present in the project area: Northern Long-eared Bat *Myotis septentrionalis*, and the Plymouth Redbelly Turtle *Pseudemys rubriventris bangsi*. We are submitting this letter as a non-Federal representative of the EPA pursuant to the requirements of the EPA's process for NPDES/MS4 permits.

Our proposed action consists of stormwater management projects including the evaluation for best management practices (BMPs) to reduce pollutant discharges and general pollutant load reduction through MS4 Permit implementation and enforcement. The Town of Freetown will be continuing stormwater maintenance and activities listed in the Year 15 NPDES PII Small MS4 General Permit Annual Report, which is included in the attachments. Planned activities within the MS4 area will not pose a disturbance to the habitats of the aforementioned species.

The location action area is identified on the enclosed map. This USGS topographic quadrangle displays the entirety of the Freetown MS4 project area. The MS4 area is designated using both the 2000 and 2010 U.S. census urbanized area.

Permit implementation will begin in the fall of 2018 and the permit has an expiration date of June 30, 2022.

This is a request for review by the Service pursuant to section 7 of the Endangered Species Act. We determined that the project may affect, but is not likely to adversely affect the above listed species, because:

- This project does not involve tree cutting or manipulating a structure that could be used by the Northern Long-eared Bat. For a variety of reasons, this project would have no effect on the Northern Long-eared Bat and no additional explanation is needed in this letter.
- Although discharges from the Freetown MS4 may reach the habitat of the Plymouth Redbelly Turtle, the project implements activities that would diminish pollutants to the extent that discharge is not known to adversely affect the Plymouth Redbelly Turtle.

The enclosed project package provides the information about the species and/or critical habitat

considered in our review, and we identified our determinations for the resources that may be affected by the project. We request you concur with our determination that the project may affect, but is not likely to adversely affect the species described above.

For additional information, please contact Eric Kelley at the address listed above, by phone at 617-657-0282, or eak@envpartners.com.

Sincerely,



Environmental Partners Group, Inc.
Eric A. Kelley, P.E.
Project Manager
P: (617) 657-0282
E: eak@envpartners.com

Enclosures:

- 1) IPaC Report
- 2) Year 15 NPDES PII Small MS4 General Permit Annual Report – Town of Freetown, MA
- 3) USGS Topographic Quadrangle – Town of Freetown, MA



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:

August 31, 2018

Consultation Code: 05E1NE00-2018-SLI-2941

Event Code: 05E1NE00-2018-E-06933

Project Name: Freetown MS4

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-2941

Event Code: 05E1NE00-2018-E-06933

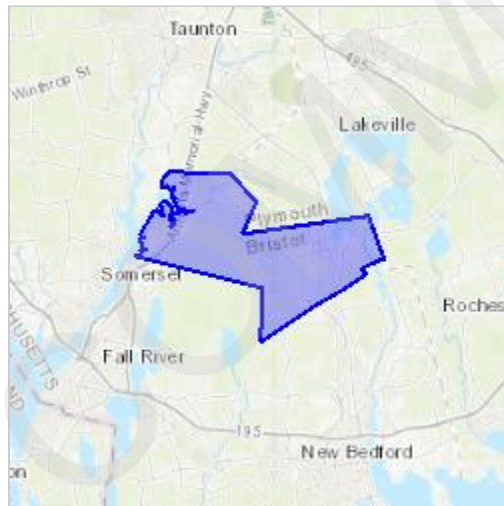
Project Name: Freetown MS4

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/41.76478152450031N71.01012102132623W>



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

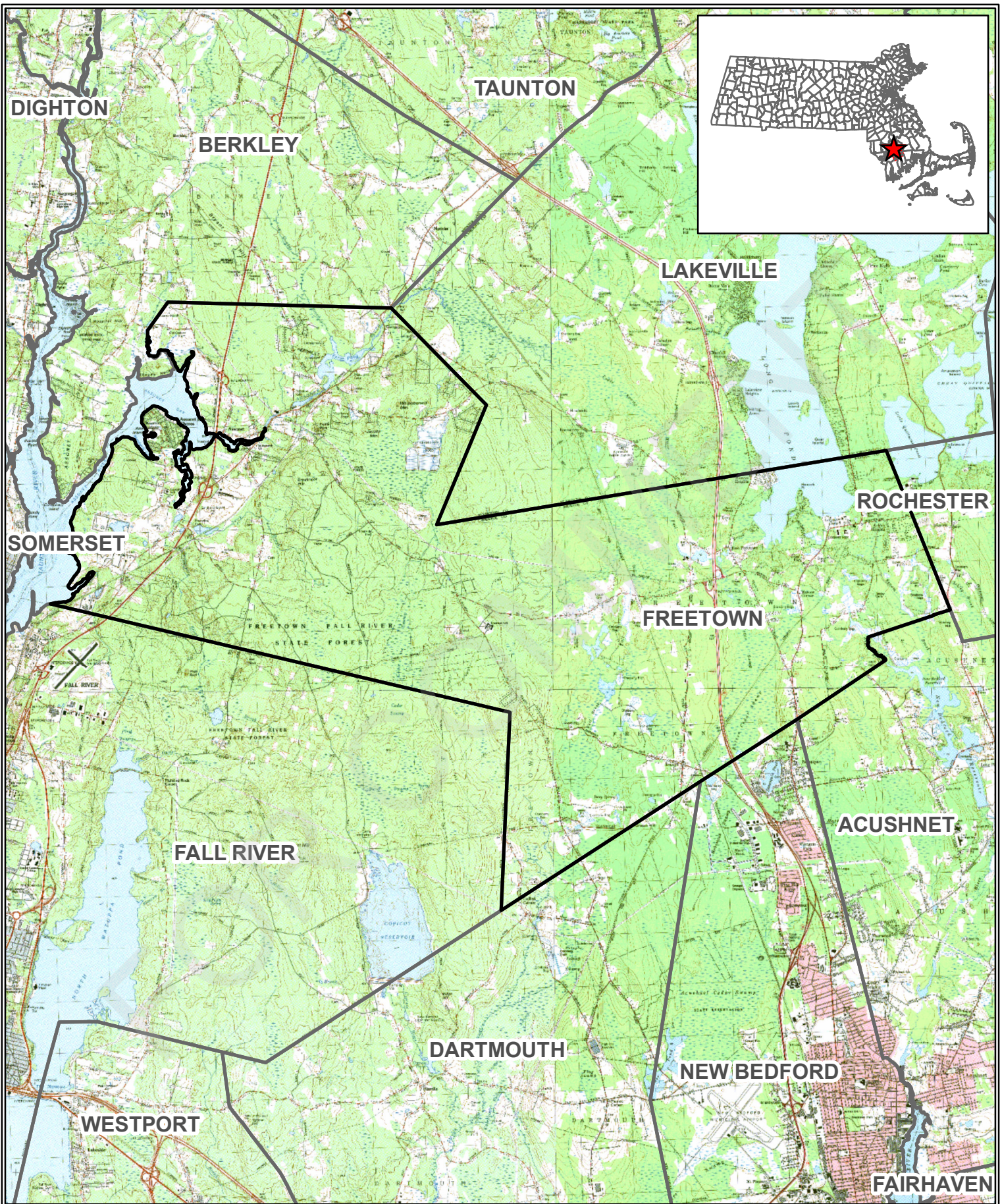
NAME	STATUS
Northern Long-eared Bat <i>Myotis septentrionalis</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/9045	Threatened

Reptiles

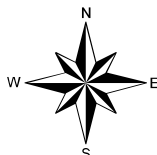
NAME	STATUS
Plymouth Redbelly Turtle <i>Pseudemys rubriventris bangsi</i> There is final critical habitat for this species. Your location is outside the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/451	Endangered

Critical habitats

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



0 4,250 8,500 17,000 Feet



USGS Topographic Quadrangle
Freetown, Massachusetts

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

Freetown, 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

FOR COMMENT

APPENDIX G
SSO INVENTORY

FOR COMMENT

Sanitary Sewer Overflow (SSO) Inventory

Freetown, 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

FOR COMMENT

APPENDIX H

CURRENT STORMWATER BYLAW

FOR COMMENT

ARTICLE 25 (25.3 cont.)

aforsaid. Said commanding officer or department head shall retain and safely preserve one copy and shall, at a time not later than the next court day after such delivery or mailing, deliver the other copy to the Clerk of Court before which the offender has been notified to appear.

The disposition of such notices by the Clerk of the Fall River District Court shall be in accordance with § 21D of Chapter 40 of the General Laws, and/or take any other action relative thereto. *ATM 5/7/90*

ARTICLE 26

APPROVAL, EFFECTIVE DATE OF BY LAWS

26.1 Approval of By-Laws

These by-laws shall take effect upon approval and publication in the manner required by law and shall be in lieu of all by-laws heretofore enforced except for the Soil Removal By-Law passed at the annual town meeting of 1956 which by-law shall be incorporated therein.

26.2 Provision of By-Laws

If any provision of these by-laws be held unlawful or shall not be approved it shall not effect any other provision of these by-laws or the enforcement thereof.

ARTICLE 27

NON-STORMWATER DISCHARGES TO THE MUNICIPAL STORM DRAINAGE SYSTEM OF THE TOWN OF FREETOWN *STM 11/20/06, ATM 5/7/07*

Section 27-1. Objective/Intent.

The objective of this by-law is to prevent non-stormwater discharges to the Town of Freetown'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:

Regulating the contribution of pollutants to the municipal storm drainage system from stormwater discharges by any user;

Prohibiting illicit connections and discharges to the municipal storm drainage system;

Establishing legal authority to carry out all inspection, surveillance and monitoring procedures necessary to ensure compliance with this by-law.

Prohibiting discharges into the municipal storm drainage system that may or can create a condition that is harmful to public safety and welfare.

Section 27-2. Definitions.

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

1. **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.
2. **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.

ARTICLE 27 (21-2cont.)

3. **Clean Water Act.** The Federal Water Pollution Control Act (33 U.S.C. § 1251 et seq.), and any subsequent amendments thereto.
4. **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.
5. **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.
6. **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.
7. **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.
8. **Industrial Activity.** Activities subject to NPDES Industrial Permits as defined in 40 CFR 122.26 (b)(14).
9. **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.
10. **Non-Storm Water Discharge.** Any discharge to the municipal storm drain system that is not composed entirely of storm water.
11. **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...
12. **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.
13. **Premises.** Any building, lot, parcel of land, or portion of land whether improved or unimproved including adjacent sidewalks and parking strips.
14. **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 Freetown.
15. **Storm Water.** Any surface flow, runoff, and drainage consisting entirely of water from any form of natural precipitation, and resulting from such precipitation.
16. **Watercourse.** A natural or man-made channel through which water flows or a stream of water, including a brook or underground stream.

ARTICLE 27 (21-2 cont.)

17. 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.

18. 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 27-3. Applicability.

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

Section 27-4. 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 27-5. 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 27-6. 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 27-7. 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; notwithstanding the last previous phrase, all fire fighting activities are exempt:

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 wetland flows, swimming pools (if de-chlorinated), fire fighting activities, and any other water source not containing Pollutants.

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.

Dye testing is an allowable discharge, but requires a written notification to the Building Commissioner prior to the time of the test.

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.

ARTICLE 27 (27-7 cont.)

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 27-8. 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 27-9. 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 27-10. 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.

ARTICLE 27 (27-10 cont.)

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.

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.

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.

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 27-11. 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 27-12. 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 27-13. 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

ARTICLE 27 (27-11 cont.)

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 27-14. 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.

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 and Article 25 of the Town's General By-Laws. 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 Freetown Police Department, or any designated Agent of the Building Commissioner shall be considered an enforcing person for the purpose of this section.

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, \$100.00, second offense, \$200.00, third and subsequent offenses, \$300.00.

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 appealing, at least seven (7) calendar 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.

APPENDIX I

2018 ANNUAL REPORT SELF EVALUATION

ANNUAL EVALUATION FOR YEARS 1 -5+

FOR COMMENT

Municipality/Organization: Town of Freetown, Massachusetts

EPA NPDES Permit Number: MAR041118

MassDEP Transmittal Number: W-X274821

Annual Report Number Year 15
& Reporting Period: April 1, 2017 – March 31, 2018

NPDES PII Small MS4 General Permit Annual Report (Due: May 1, 2018)

Part I. General Information

Contact Person: David DeManche

Title: Town Administrator

Telephone: (508) 644-2202 x1

Email: townadministrator@freetownma.gov

Mailing Address: PO Box 438 Assonet, MA 02702

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: David DeManche

Printed Name: DAVID DE MANCHE

Title: TOWN ADMINISTRATOR

Date: 6/26/18

Part II. Self-Assessment

The Town of Freetown has completed the required self-assessment and has determined that, based on available information, our municipality is in compliance with the conditions of the permit. Any minor exceptions to this statement are noted in Part III, below.

FOR COMMENT

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 15 (Reliance on non-municipal partners indicated, if any)	Planned Activities
1	Creation of Stormwater Program	Board of Selectmen/Town Administrator John F. Healey	Public education and stimulating awareness	Stormwater posters hung in schools, library, and town offices January 2012 and March 2015. Bylaws, and pollution prevention information materials developed by the EPA are posted on the Town website. A residential pollution prevention factsheet was shared on the Town’s Facebook page on 2/1/17. The Town also shared a graphic with tips on reducing pollution from pet waste on the Freetown Animal Control Office’s Facebook page on 2/16/17. Town has added “do not dump” stenciling during catch basin cleaning in pertinent areas as needed. Taunton River Watershed Association TRWA 5 year action plan is posted on the town’s website.	Continue ongoing efforts.
Revised					
2	Presentations to groups likely to impact the town’s stormwater.	Boards and Commissions	Discussion at public meetings and publicity.	Presentations have been made in prior years to educate Town Boards and Commissions regarding the importance of proper stormwater management practices.	In 2018, Town officials will continue participating in educational and informational workshop sessions.
Revised					
3	Presentations to local students	Board of Selectmen/Town Administrator John F. Healey	Team up with local students and regional school system to educate regarding stormwater management	4 th graders and educators attended four-day overnight trip to “Natures Classroom.” Freetown State Forest “Friends of the Forest” hosts an annual family day in October.	Continue on going educational efforts on the importance of proper stormwater management.
Revised					

4	Promotion of hazardous waste recycling for local residences	Board of Selectmen/Town Administrator John F. Healey	Scheduling of hazardous waste town-wide collection days	Town accepts most materials at the transfer station Thursday through Sunday throughout the year. Transfer Station information is made available on town website.	Greater New Bedford Regional Refuse District will hold a household hazardous waste collection day on June 2, 2018, and plans to hold (2) every year thereafter for (9) years. Flyers were posted at Town Hall and information was posted on the Town website.
Revised					
5	Use local cable channel to stimulate public awareness	Board of Selectmen/Town Administrator John F. Healey	Posting stormwater management information on cable access.	DVD from EPA entitled 'Reduce Runoff: Slow it Down, Spread it Out, Soak it In' in regular weekly rotation on local public access.	Continue ongoing efforts.
Revised					
6	Update website	Board of Selectmen/Town Administrator John F. Healey	Posting storm water mgmt. info on website	'Stormwater Pollution Prevention' section has been added to the website news and Conservation Commission page. Information on BMPs for contractors has been posted to the Building Department's webpage.	Continue ongoing efforts.

FOR COMMENT

2. Public Involvement and Participation

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 15 (Reliance on non-municipal partners indicated, if any)	Planned Activities
1	Public meetings & distribution of flyers	Board of Selectmen/Town Administrator John F. Healey	Become more involved with local groups monitoring water	The Town posts Taunton River Watershed Alliance (TRWA) activities and events on the news section of the Town website. The Town posted the TRWA's call for volunteers and information about their water quality monitoring program. Town residents were active in volunteer monitoring for the TRWA. Freetown also has a Town resident representative to the Assawompsett Pond Complex quarterly working task group, as well as a representative to the Taunton River Stewardship Council (TRSC).	Continue participation with watershed/waterbody associations. Meetings for watershed groups will continue to be posted on the website.
Revised					
2	Cleanups of various community areas	Board of Selectmen/Town Administrator John F. Healey	Form cleanup committees with local volunteers	The Town did not partner with Assonet Bay Shores Association this year to host a beach clean-up.	Continue to support annual cleanups. Roads are swept at least annually and more often as needed in the more densely populated areas of Town.
Revised					
3	Hazardous waste cleanup days	Board of Selectmen/Town Administrator John F. Healey	Organize waste collection days for Freetown homes	Town accepts most materials at the transfer station Thursday through Sunday throughout the year. Transfer Station information is made available on town website.	Hazardous Waste Collection Day is scheduled for June 2, 2018, with (2) collection days planned per year for (9) subsequent years.
Revised					
4	Water monitoring by volunteers	Board of Selectmen/Town Administrator John F. Healey	Develop sense of responsibility in Freetown residents for the Town's watersheds	Taunton River Watershed Alliance did not utilize a Town resident volunteer to take water monitoring samples from the 4 corners dam this year.	Information on website to encourage participation in water monitoring activities. The Town has put up on the website and Facebook page information regarding the TRWA's

Revised					2018 Water Quality Monitor Training opportunities and the recruitment of additional volunteers for water monitoring efforts.
5	Solicit volunteers to assist in creating stormwater awareness and practices	Board of Selectmen/Town Administrator John F. Healey	Adopting a town-wide program	The Town was again unable to secure a grant to sponsor the 4 th Grade water poster contest this year.	Town staff will attempt to re-establish the poster contest in-house by soliciting sponsorships from local businesses.
Revised					

FOR COMMENT

3. Illicit Discharge Detection and Elimination

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 15 (Reliance on non-municipal partners indicated, if any)	Planned Activities
1	Review of current by-laws	Board of Selectmen/Town Administrator John F. Healey	Submit town meeting articles to update by-laws if needed.	By-laws reviewed. Amendments adopted November 20, 2006	No further action required at this time.
Revised					
2	Map local outfalls	Board of Selectmen/Town Administrator John F. Healey	Working with an engineer, Highway Surveyor, Assessors, Planner and Conservation Commission to have receiving waters and outfalls mapped	GIS Mapping of Stormwater infrastructure was completed in 2007, including catch basins, pipelines, and outfalls.	The Highway Department will inform Planning when new features are installed. Planning will work in conjunction with the Town's GIS consultants to add these features to the existing mapping.
Revised					
3	Map Town's Infrastructure	Board of Selectmen/Town Administrator John F. Healey	Map storm drainage system of Freetown	GIS Mapping of stormwater infrastructure was completed in 2007, including catch basins, pipelines, and outfalls. New subdivisions were added to the Town's GIS mapping system this Permit Year.	The Highway Department will inform Planning when new features are installed. Planning will work in conjunction with the Town's GIS consultants to add these features to the existing mapping.
Revised					
4	Develop procedure for non-stormwater discharge	Board of Selectmen/Town Administrator John F. Healey	To search out and prosecute any illegal dumping found in Freetown	Legal authority, enforcement, penalties, and responsibility for administration of the program to address non-stormwater discharges were established in by-law amendments of 2006.	Take enforcement actions when appropriate.
Revised					
5	Stimulate public awareness for reporting of illegal dumping	Board of Selectmen/Town Administrator John F. Healey	Publicize local and state contacts in Public Notices and Annual Town Reports	A presentation on stormwater management, pollution and illicit discharges was done at Town Meeting in 2006. "Report Illegal Dumping"	Continue to provide public contact information. Update information as indicated.

Revised				link with contact information has been added to the Town's website. Catch basins in Town are marked with yellow arrows and repainted each Fall.	
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3a. Additions

5a	Minimize contamination of drainage system from failing septic systems	Board of Selectmen/Town Administrator John F. Healey	Failing systems replaced	Town has no sewer service, so IDDE focus is on failing septic. Town program is stricter than Title V, such as requiring removal of old systems and replacement with clean fill (vs. abandonment). Town encourages resident participation in Water Pollution Abatement Trust loan program. There were no violations to the Permit due to failing septic systems this year.	Continue existing program.

FOR COMMENT

4. Construction Site Stormwater Runoff Control

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 15 (Reliance on non-municipal partners indicated, if any)	Planned Activities
1	Review of local current by-laws	Board of Selectmen/Town Administrator John F. Healey	Submit Town Meeting articles to update if needed	By-laws reviewed. Amendments adopted November 20, 2006	No further action required at this time.
Revised					
2	Publicize and adopt changes	Board of Selectmen/Town Administrator John F. Healey	To conform with best management practices and stimulate public awareness	A presentation was done at Town Meeting in 2006 in support of the proposed changes.	No further action required at this time.
Revised					

4a. Additions

3	Building Dept. Website	Building Comm.	Update as necessary	Added “How do I get Stormwater Permit Coverage for my Construction Site?” info to the Building Department’s web page.	Ongoing.

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 15 (Reliance on non-municipal partners indicated, if any)	Planned Activities
1	Review Current By-laws	Board of Selectmen/Town Administrator John F. Healey	By updating town meeting articles if needed	By-laws reviewed. Amendments adopted November 20, 2006	No further action required at this time.
Revised					
2	Work with local committees to develop a final open space plan	Board of Selectmen/Town Administrator John F. Healey	Open space plan in conjunction with plans for watershed areas	While an official Open Space Plan has not been adopted, in the years since the original NPDES permit was issued, the Town has designated a new zoning district “Open Space and Recreation” protecting the lands that the Town has identified as areas needing protection. Approximately 200 acres of additional parcels were designated as “Open Space and Recreation” at a Special Town Meeting in 2017. In 2013, as a result of public input sessions held after Gov. Patrick’s Executive Order 525, Priority Protection Areas and Priority Development Areas were identified and mapped with assistance from the Regional Planning Agency.	Continue to implement measures that help to encourage priority open space protection.
Revised					

5a. Additions

2a	Ensure use of BMPs for development/redevelopment	Board of Selectmen/Town Administrator John F. Healey	BMPs included	Town requires relevant projects to appear before the Conservation Commission, where compliance with MADEP stormwater standards is mandated. BMP O&M Plans are also requested by the Conservation Commission. The Town's Planning Board sends out a review engineer to monitor and report on erosion controls and stormwater mitigation installations during the construction of projects in its jurisdiction throughout town.	Continue existing program.
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FOR COMMENT

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 15 (Reliance on non-municipal partners indicated, if any)	Planned Activities
1	Review of existing town areas	Board of Selectmen/Town Administrator John F. Healey	With Highway Department, plan to conduct maintenance and repair of Town's drainage system	Catch basins (est 1,150) are scheduled to be cleaned once per year. The Highway Department has switched to salt only winter treatment on the main roads, which have lessened sand deposits going into Town catch basins.	Continue existing efforts.
Revised				<p>Streets are swept by the Town at least once per year in the spring, and more often as needed in the more densely populated areas of Town. Drain lines are cleaned as needed.</p> <p>Yard wastes are accepted/composted at the transfer station. Town implemented a successful curbside recycling and “pay as you throw” trash pickup.</p> <p>Freetown has a representative participating in the Assawompset Pond Complex Committee. This Committee – a collaboration of the communities of Freetown, Lakeville, New Bedford, Taunton and Rochester – is working with the MADEP and the MADOT to evaluate and mitigate flooding concerns in the region. Recommendations made by the Committee have included maintenance and repair of existing culverts and other drainage structures in the watershed.</p> <p>The City of Fall River, through grant funding and partnership with various state, federal, and private agencies, has removed the Rattlesnake Brook Dam from Narrows Rd in Freetown, a historic flooding area. The result has been restored fish passage and risk reduction of flooding from severe storms.</p>	

2	Develop a toxins' prevention plan	Board of Selectmen/Town Administrator John F. Healey	If needed, to coincide with the Town's drainage plan	Town has active spill response unit in the event of a release in/around the drainage system	No further action required at this time.
Revised					
3	Maintaining ongoing awareness on the part of local officials	Board of Selectmen/Town Administrator John F. Healey	Continuing the program relative to stormwater drainage	Highway Department submits annual operating and capital improvement budgets for maintenance/improvement of the storm drain system to Town Administrator, Finance Committee, and Town Meeting as appropriate. Article passed at 2015 Annual Town Meeting appropriating monies relating to preparation for the reissuance of the NPDES General Permit.	Continue to ensure that stormwater receives appropriate attention/funding through town.
Revised					

6a Additions

4	Record keeping	Highway Surveyor	Inspection Documentation	The highway dept. utilizes inspection cover sheets to document conditions of outfalls and catch basins.	The department has completed inspection of outfalls this year, and will be documenting catch basins as ongoing cleaning continues.

Part IV. Summary of Information Collected and Analyzed

All information collected and analyzed is presented in Part III above.

FOR COMMENT

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 Freetown, 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
R1	Distribution of a minimum of two (2) educational messages over the permit term to each of the four (4) required audiences	Residents (1)	Board of Selectmen, Town Administrator	Distribute at least two educational messages to each audience within the permit term	2018
		Businesses, Institutions, and Commercial Facilities (2)	Board of Selectmen, Town Administrator		
		Developers (construction) (3)	Board of Selectmen, Town Administrator		
		Industrial Facilities (4)	Board of Selectmen, Town Administrator		

Town of Freetown, Massachusetts
MA MS4 General Permit - Control Measures
CM #2 - Public Involvement and Participation

BMP ID	BMP Categorization	BMP Description	Responsible Department/Parties	Measurable Goal	Beginning Year of Implementation
R1	Public Review	SWMP Review	Board of Selectmen, Town Administrator	Make SWMP available at least annually for public review	2020
R2	Public Participation	SWMP Review	Board of Selectmen, Town Administrator	Allow public to comment on stormwater management plan annually	2018
2A	Public Participation	Cleanups - Shoreline/Waterbody	Board of Selectmen, Town Administrator	Continue to support annual cleanups with the Assonet Bay Shores Association	2018
2B	Public Participation	Household Hazardous Waste	Board of Selectmen, Town Administrator	Continue to host biannual hazardous waste collection days	2018
2C	Public Participation	Water Monitoring	Board of Selectmen, Town Administrator	Continue to post information on Town website	2018
2D	Public Participation	Poster Contest	Board of Selectmen, Town Administrator	Reestablish poster contest in-house	2018

**Town of Freetown, Massachusetts
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
R1	SSO Inventory	Develop SSO inventory in accordance with permit conditions	Board of Selectmen, Town Administrator	Within 1 year of effective date develop inventory of historical SSOs that occurred within the MS4 in	2018
R2	Storm Sewer System Map	Create map and update during IDDE program completion	Board of Selectmen, Town Administrator	Update map within 2 years of effective date of permit and complete full system map 10 years after effective date of permit	2018
R3	Written IDDE Program Development	Create written IDDE program	Board of Selectmen, Town Administrator	Complete within 1 year of the effective date of permit	2018
R4	Implement IDDE Program	Implement catchment investigations according to program and permit conditions	Board of Selectmen, Town Administrator	Implement catchment investigations according to program and permit conditions	2018
R5	Employee Training	Train employees on IDDE implementation	Board of Selectmen, Town Administrator	Train annually	2018
R6	Conduct Dry Weather Screening	Conduct in accordance with outfall screening procedure and permit conditions	Board of Selectmen, Town Administrator	Conduct in accordance with outfall screening procedure and permit conditions	2018
R6	Conduct Wet Weather Screening	Conduct in accordance with outfall screening procedure	Board of Selectmen, Town Administrator	Conduct in accordance with outfall screening procedure and permit conditions	2018
R7	Ongoing Screening	Conduct dry weather and wet weather screening as necessary	Board of Selectmen, Town Administrator	Conduct in accordance with outfall screening procedure and permit conditions	2018
R8	Public Awareness	Stimulate public awareness for reporting of illegal dumping	Board of Selectmen, Town Administrator	Continue to provide public contact information	2018

Town of Freetown, 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
R1	Site inspection and enforcement of Erosion and Sediment Control (ESC) measures	Complete written procedures of site inspections and enforcement procedures	Board of Selectmen, Town Administrator, Building Commissioner	Within 1 year of effective date of the permit, develop written/electronic SOP for inspection/enforcement of ESC measures	2018
R2	Site plan review	Complete written procedures of site plan review and begin implementation		Complete within 1 year of the effective date of the permit	2018
R3	Erosion and Sediment Control	Adoption of requirements for construction operators to implement a sediment and erosion control program		Complete within 1 year of the effective date of the permit	2018
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		Complete within 1 year of the effective date of the permit	2018
R5	Website	Update the Building Department Website		Continue to update website	2018

**Town of Freetown, 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
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	Board of Selectmen, Town Administrator	Require submission of as built plans for completed projects	2018
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	Board of Selectmen, Town Administrator	Complete 4 years after permit effective date	2018
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	Board of Selectmen, Town Administrator	Complete 4 years after permit effective date	2018
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	Board of Selectmen, Town Administrator	Complete 4 years after permit effective date	2018
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	Board of Selectmen, Town Administrator	Complete 2 years after permit effective date	2018
R6	Open Space Plan	Develop a final open space plan	Board of Selectmen, Town Administrator	Continue to implement measures that encourage priority open space protection	2018

**Town of Freetown, Massachusetts
MA MS4 General Permit - Control Measures**

CM #6 - Good House Keeping and Pollution Prevention for Permittee Owned Operations

BMP ID	BMP Categorization	BMP Description	Responsible Department/Parties	Measurable Goal	Beginning Year of Implementation
R1	O&M procedures	Create written O&M procedures for parks and open spaces, buildings and facilities, and vehicles and equipment	Board of Selectmen, Town Administrator	Complete within 2 years after permit effective date	2019
R2	Inventory all permittee-owned parks and open spaces, buildings and facilities (including their storm drains), and vehicles and equipment	Create inventory	Board of Selectmen, Town Administrator	Complete 2 years after permit effective date	2019
R3	Infrastructure O&M	Establish and implement program for repair and rehabilitation of MS4 infrastructure	Board of Selectmen, Town Administrator	Complete 2 years after permit effective date	2019
R4	Stormwater Pollution Prevention Plan (SWPPP)	Create Stormwater Pollution Prevention Plan (SWPPP) for maintenance garages, transfer stations and other waste-handling facilities	Board of Selectmen, Town Administrator	Complete 2 years after permit effective date	2019
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	Board of Selectmen, Town Administrator	Clean catch basins on established schedule and report number of catch basins cleaned and volume of material moved annually	2018
R6	Street Sweeping Program	Sweep all streets and permittee-owned parking lots in accordance with permit conditions	Board of Selectmen, Town Administrator	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	Board of Selectmen, Town Administrator	Implement salt use optimization during deicing season	2018
R8	Inspections and maintenance of stormwater treatment structures	Establish and implement inspection and maintenance procedures and frequencies	Board of Selectmen, Town Administrator	Inspect and maintain treatment structures at least annually	2018
6A	Record keeping of inspection data	Continue documenting catch basin and outfall inspection/condition data	Highway Surveyor	Continue recording data	2019

Town of Freetown, Massachusetts
MA MS4 General Permit - In State Water Quality Impairments
Buzzards Bay Watershed - Bacteria and Pathogens

BMP ID	BMP Categorization	BMP Description	Responsible Department/Parties	Measurable Goal	Beginning Year of Implementation
R1	Public Education	Residents	Highway Department	Distribute annual message encouraging the proper management of pet waste	2018
R2	Illicit Discharge		Highway Department	Prioritize catchment areas	2018

FOR COMMENT