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

Part I: General Conditions

General Information

Name of Municipality or Organization: Watertown State: MA

EPA NPDES Permit Number (if applicable): MAR041083

Primary MS4 Program Manager Contact Information

Name: Matthew Shuman Title: Town Engineer

Street Address Line 1: 124 Orchard Street

Street Address Line 2:

City: Watertown State: MA Zip Code: 02472

Email: mshuman@watertown-ma.gov Phone Number: (617) 972-6420

Fax Number: (617) 972-6402

Other Information

Stormwater Management Program (SWMP) Location To Be Completed During Permit Year 1 and Posted to Town Website (2018-2019).

Eligibility Determination

Endangered Species Act (ESA) Determination Complete? Yes

Eligibility Criteria (check all that apply): ☐ A ☐ B ☒ C

National Historic Preservation Act (NHPA) Determination Complete? Yes

Eligibility Criteria (check all that apply): ☒ A ☐ B ☐ C

☑ Check the box if your municipality or organization was covered under the 2003 MS4 General Permit

MS4 Infrastructure (if covered under the 2003 permit)

Estimated Percent of Outfall Map Complete? *(Part II, III, IV or V, Subpart B.3.(a.) of 2003 permit)* 100%

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

Web address where MS4 map is published:

If outfall map is unavailable on the internet an electronic or paper copy of the outfall map must be included with NOI submission (see section V for submission options)

http://www.watertowndpw.org/DocumentCenter/View/155/Drainage-Outfall-Map-PDF?bidId=

Regulatory Authorities (if covered under the 2003 permit)

Illicit Discharge Detection and Elimination (IDDE) Authority Adopted? *(Part II, III, IV or V, Subpart B.3.(b.) of 2003 permit)* Yes

Effective Date or Estimated Date of Adoption (MM/DD/YY): 05/11/11

Construction/Erosion and Sediment Control (ESC) Authority Adopted? *(Part II,III,IV or V, Subpart B.4.(a.) of 2003 permit)* Yes

Effective Date or Estimated Date of Adoption (MM/DD/YY): 02/23/16

Post- Construction Stormwater Management Adopted? *(Part II, III, IV or V, Subpart B.5.(a.) of 2003 permit)* Yes

Effective Date or Estimated Date of Adoption (MM/DD/YY): 02/23/16

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

Part II: Summary of Receiving Waters

Please list the waterbody segments to which your MS4 discharges. For each waterbody segment, please report the number of outfalls discharging into it and, if applicable, any impairments.

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

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

Waterbody segment that receives flow from the MS4	Number of outfalls into receiving water segment	Chloride	Chlorophyll-a	Dissolved Oxygen/ DO Saturation	Nitrogen	Oil & Grease/ PAH	Phosphorus	Solids/ TSS/ Turbidity	E. coli	Enterococcus	Other pollutant(s) causing impairments
Unnamed Tributary (locally known as Sawins Brook) (MA72-32)	0	☐	☐	☐	☐	☐	☐	☐	☒	☐	
Charles River - Chestnut Street, Needham to Watertown Dam (MA72-07)	12	☐	☐	☐	☐	☐	☒	☐	☒	☐	Eurasian Water Milfoil, Myriophyllum spicatum, Fish Passage Barrier, Non-Native Aquatic Plants, Other Flow Regime Alterations, DDT, Fishes Bioassessments, Nutrient/Eutrophication Biological Indicators, PCB in Fish Tissue
Charles River - Watertown Dam to Boston University Bridge (MA72-36)	20	☐	☒	☒	☐	☒	☒	☐	☒	☐	Fish Passage Barrier, Non-Native Aquatic Plants, Other Flow Regime Alterations, DDT, Fishes Bioassessments, Harmful Algal Bloom, Nutrient/Eutrophication Biological Indicators, Other (Unspecified Metals), PCB in Fish Tissue, High pH, Secchi Disk Transparency, Sediment Bioassays - Acute Toxicity Freshwater
Unnamed Tributary (locally known as Laundry Brook) (MA72-30)	0	☐	☐	☐	☐	☐	☒	☒	☒	☒	Physical Substrate Habitat Alterations, Taste and odor
Interconnection 33 (Newton)	1	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Interconnection BEL (Belmont)	1	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Interconnection NEWT (Newton)	1	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Interconnection 109 (Waltham)	1	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Interconnection 99 (Waltham)	1	☐	☐	☐	☐	☐	☐	☐	☐	☐	
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Click to lengthen table

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

Part III: Stormwater Management Program Summary

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

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

MCM 1: Public Education and Outreach

BMP Media/Category (enter your own text to override the drop down menu)	**BMP Description**	**Targeted Audience**	**Responsible Department/Parties** (enter your own text to override the drop down menu)	**Measurable Goal**	**Beginning Year of BMP Imple-mentation**
Local Public Service Announcements	Utilize the public cable access channel, the Town's website and/or social media, to air public service announcement provided by the Mystic River Watershed Association to provide information to residents regarding stormwater management.	Residents	Engineering	Track number of times the PSA is aired on the local cable access channel, and is viewed on the Town's website and/ or social media.	FY2019

Web Page	Provide stormwater educational information on the Town's website addressing lawn/ grounds maintenance, use of salt/de-icing materials, etc.	Businesses, Institutions and Commercial Facilities	Engineering	Using materials developed through the ThinkBlue Massachusetts campaign, post information to the Town's website targeted at businesses, institutions and commercial facilities, and track interaction with the site.	FY2019
Web Page	Make information available to landscapers, developers and contractors via the Town's website. Include general information on stormwater management, the Town's erosion and sediment control regulations, proper disposal of leaf litter, and to planting of native plants and vegetative strips to disconnect impervious surfaces.	Developers (construction)	Engineering/Planning	Post information to the Town's website and track interactions with the site.	FY2020

Web Page	Make information available to property mangers of industrial facilities via the Town's website regarding best management practices, including equipment inspection, waste disposal, dumpster maintenance, use and storage of de-icing materials, and parking lot sweeping.	Industrial Facilities	Engineering	Post information on the Town's website and track interaction with the website.	FY2020
Special Events/Festivals/Fairs	Continue participation in the annual Faire on the Square including staffing a table to educate residents on the Town's stormwater system.	Residents	Stormwater Advisory Committee	Continue to staff a table annually and track the number of residents reached.	FY2019
School Curricula/Programs	Continue to participate in the 7th grade "Building Cities of the Future" Project to educate students regarding local stormwater issues and green infrastructure practices.	Residents	Stormwater Advisory Committee	Continue to supplement program curricula in the 7th grade future cities project at local middle schools. Track number of students reached.	FY2021
Web Page	Promote LID practices such as installation of vegetated filter strips to treat stormwater onsite and infiltrate to offset impervious area created through development via the Town's website.	Developers (construction)	Engineering, Planning	Modify Massachusetts ThinkBlue Educational materials to fit the Town's needs and post to the website. Track interaction with the site.	FY2022

Web Page	Create a section on the Town's website describing and incentivizing low impact development practices such as installing on-site stormwater runoff treatment systems and reducing impervious area footprint.	Industrial Facilities	Engineering, Planning	Monitor interactions with the Town's webpage.	FY2022
Newspaper Articles/Press Releases	Create press release about the benefits of adopting low impact development practices such as disconnecting impervious surfaces.	Businesses, Institutions and Commercial Facilit	Engineering, Planning	Monitor online interaction, number of stories placed into circulation, and estimate audience reached.	FY2023

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	Engineering, Stormwater Advisory Committee	Allow for annual review of stormwater management plan by posting of SWMP on Town website and make available at Town Hall and at SAC meetings.	FY2019
Public Participation	Stormwater Committee/Task Force	Engineering, Stormwater Advisory Committee	Continue to hold regular public stormwater meetings as part of participation in the Watertown Stormwater Advisory Committee. Continue to post meetings and make them open to the public. Report number of meetings held each year.	FY2019
Public Participation	Catch Basin Stenciling/Markers	Engineering, DPW	Continue with town-wide initiative to stencil catch basins with volunteers. Track the number and location of catch basins stenciled.	FY2019
Public Participation	Stormwater Committee/Task Force	Engineering, Stormwater Advisory Committee	Continue to add new materials to the Stormwater Tool Box and make these materials available to the public for their use in giving stormwater presentations to local groups.	FY2019

Public Participation	Household haz. waste/used oil collection	DPW Operations	Allow for residents to dispose of hazardous waste one day per month from April through November at the Minuteman Regional Household Products Facility. Track number of Watertown residents that visit the facility, and the amount of waste collected.	FY2019
Public Participation	Cleanups - Shoreline/Waterbody	DPW Operations	Continue to support community cleanup events annually by providing assistance with collection and disposal of debris. Track annually the number of clean-up events supported and the number of volunteers that participate.	FY2019
Public Participation	Rain Barrel Distribution	DPW Operations	Continue to make rain barrels available for purchase by Watertown residents. Track the number of rain barrels sold annually to residents.	FY2019
Public Participation	Mercury Collection	DPW Operations	Continue to allow residents to drop off mercury devices at the DPW or the Recycling Center.	FY2019
Public Participation	Curbside CRT Collection	DPW Operations	Continue to provide curbside collection of CRTs in addition to allowing homeowners to drop them off at the Recycling Center.	FY2019
Public Participation	Tire Collection Drop Off	DPW Operations	Continue to hold two annual tire collection drop off events as part of larger recycling events.	FY2019

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 Imple-mentation**
SSO inventory	Develop an inventory of SSOs that have occurred in the last five years in accordance with permit conditions.	DPW Operations, Engineering	Complete within 1 year of permit effective date and update SSO inventory annually.	FY2019
Storm sewer system map	Update existing drainage map to address permit requirements and continue to update during IDDE program implementation.	Engineering	Update map within 2 years of effective date of permit and complete update of full system map 10 years after permit effective date.	FY2020
Written IDDE program	Update existing written IDDE plan as needed to satisfy permit requirements.	Engineering	Complete update within 1 year of the effective date of the permit and update as required thereafter.	FY2019
Implement IDDE program	Continue ongoing catchment investigations according to program and permit conditions, including follow-up TV inspection, smoke testing and dye testing as needed to identify illicit connections.	Engineering	Complete 10 years after effective date of permit. Track annually the number of illicit connections that are identified and removed.	FY2020
Employee training	Continue to train municipal employees on illicit discharge detection and monitoring.	Engineering, DPW	Provide training to municipal employees annually. Track the number of employees that receive training.	FY2019

Conduct dry weather screening and sampling	Continue ongoing dry weather outfall screening and sampling procedures, and update as needed to meet the requirements of the permit.	Engineering	Complete all dry weather screening and sampling within 3 years of permit effective date. Track number of outfalls that are screened and sampled annually.	FY2021
Conduct wet weather screening and sampling	Continue wet weather outfall screening and sampling procedures, and update as needed to meet the requirements of the permit.	Engineering	Complete all wet weather screening and sampling within 10 years of permit effective date. Track number of outfalls that are screened and sampled annually.	FY2022
Ongoing screening	Conduct dry weather and wet weather screening (as necessary)	Engineering	Complete ongoing outfall screening upon completion of IDDE program implementation.	FY2029
IDDE Ordinance/Bylaw	Continue to prohibit illicit discharges as outlined in the Town's Illicit Discharge Ordinance, and take enforcement actions as needed.	Engineering	Report the number of enforcement actions taken annually.	FY2019
Catchment Prioritization & Ranking	Assess and rank the potential for all catchments to have illicit discharges.	Engineering	Complete within 1 year of the permit effective date.	FY2019
Follow-Up Ranking	Update catchment prioritization and ranking as additional dry weather screening information becomes available.	Engineering	Complete within 3 years of the effective date of the permit.	FY2021

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 Imple-mentation**
Site inspection and enforcement of Erosion and Sediment Control (ESC) measures	The Town's Stormwater Management and Erosion Control Ordinance and Rules and Regulations establish written site inspection and enforcement procedures. Review procedures and update as needed to ensure compliance with permit conditions.	Planning/Engineering	Review existing requirements and update as needed to meet permit conditions within one year of the permit effective date. Report on the number of site inspections and enforcement actions annually.	FY2019
Site plan review	Develop site plan review procedures in accordance with permit conditions. Construction inspection milestones and enforcement provisions are outlined in the Town's Stormwater Management and Erosion Control Ordinance and Rules and Regulations. Review procedures and requirements, and update as needed to ensure compliance with permit conditions.	Planning/Engineering	Review existing requirements and update as needed to meet permit conditions within one year of the permit effective date. Report on the number of site plan reviews conducted, inspections conducted, and enforcement actions annually.	FY2019

Erosion and Sediment Control	Continue to require developers to implement a sediment and erosion control program that includes BMPs that are appropriate for the conditions at the construction site in accordance with Town's Stormwater Management and Erosion Control Rules and Regulations. Review existing regulations and update as needed to meet permit conditions.	Planning/Engineering	Continue to enforce existing sediment and erosion control requirements, and update regulations as needed within one year of the permit effective date.	FY2019
Waste Control	Incorporate requirements for construction site operators to control waste, including but not limited to, discarded building materials, concrete truck wash out, chemicals, litter, and sanitary wastes into existing stormwater regulations.	Planning/Engineering	Update requirements to include control of wastes as needed within one year of the permit effective date.	FY2019
Public Complaint Reporting	Continue to maintain existing public phone line which allows for emergency reporting 24 hours per day, 7 days a week.	DPW Operations	Continue to monitor public comments, concerns, or questions regarding stormwater quality during construction. Track number of complaints reported.	FY2019

Construction Standard ESC Specifications and Detailed Drawings	Continue to make standard erosion and sediment control details available on the DPW website and distribute as needed, and continue to inspect construction sites for compliance.	Engineering, DPW Operations, Planning	Review standards and update as needed.	FY2019

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 Imple-mentation**
As-built plans for on-site stormwater control	The Town's Rules and Regulations for Stormwater Management and Erosion Control currently outline as-built requirements and require submission of an O&M Plan. Existing requirements will be reviewed for compliance with permit conditions, and updated as needed.	Engineering, Planning Department	Require submission of as-built plans for completed projects within two years of construction completion. Update existing regulations as needed within two years of permit effective date.	FY2020
Target and Rank Properties for BMP Retrofitting	Maintain the list of 22 identified properties that could be modified or retrofitted with BMPs to reduce frequency, volume, and pollutant loads associated with stormwater discharges that was developed by the 604(b) project, and update as needed.	Engineering, DPW Operations	Continue to update list and report annually on retrofitted properties if applicable.	FY2022
Allow green infrastructure practices	Develop a report assessing existing local regulations to determine the feasibility of making green infrastructure practices allowable when appropriate site conditions exist.	Engineering, Planning Department	Complete 4 years after effective date of permit and implement recommendations of report, where feasible.	FY2022

Street design and parking lot guidelines	Develop a report assessing requirements that affect the creation of impervious cover to determine if design standards for streets and parking lots can be modified to support low impact design options.	Engineering, Planning Department	Complete 4 years after effective date of permit and implement recommendations of report, where feasible.	FY2022
Ensure any stormwater controls or management practices for new development and redevelopment meet the retention or treatment requirements of the permit and all applicable requirements of the Massachusetts Stormwater Handbook	Review and modify the Town's existing Stormwater Management and Erosion Control Rules and Regulations as needed for compliance with the retention and treatment requirements of the permit. Continue to require compliance with the Massachusetts Stormwater Management Handbook.	Engineering, Planning	Review and modify the Town's existing rules and regulations, as needed, within 2 years of the permit effective date.	FY2020

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 Imple-mentation**
O&M procedures	Create written O&M procedures including all requirements contained in 2.3.7.a.ii for parks and open spaces, buildings and facilities, and vehicles and equipment	DPW Operations, Engineering	Complete within two years of permit effective date.	FY2020
Inventory all permittee-owned parks and open spaces, buildings and facilities, and vehicles and equipment	Create inventory	DPW Operations, Engineering	Complete within two years of permit effective date, and update annually.	FY2020
Infrastructure O&M	Establish and implement program for repair and rehabilitation of MS4 infrastructure	DPW Operations, Engineering	Complete within two years of permit effective date.	FY2020
Stormwater Pollution Prevention Plan (SWPPP) Development, Inspections, & Training	Create SWPPPs for the DPW Facility on Orchard Street and Recycling Center as needed.	DPW Operations	Complete and implement 2 years after effective date of permit. Complete inspections on a quarterly basis and training annually in accordance with permit conditions.	FY2020

Catch basin cleaning	Continue annual cleaning of catch basins and modify cleaning schedule, as needed, to ensure that each catch basin is no more than 50% full at any given time and clean catch basins on that schedule.	DPW Operations	Develop catch basin cleaning optimization plan within two years of permit effective date. Continue to annually clean catch basins on established schedule and report number of catch basins cleaned and volume of material removed annually.	FY2019
Street sweeping program	Continue to sweep all streets and permitee-owned parking lots in accordance with the permit conditions	DPW Operations	Sweep all streets and permittee-owned parking lots twice per year - once in the spring and once in the fall to meet TMDL requirements for phosphorous impaired waters.	FY2019
Road salt use optimization program	Continue to build on the Town's existing program to minimize the use of road salt and sand, including the implementation of a computerized control system for salting equipment to improve salt distribution and application efficiency.	DPW Operations	Implement salt use optimization during deicing season. Track reduction in salt usage based on salt use optimization.	FY2019
Inspection and maintenance of stormwater treatment structures	Establish and implement inspection and maintenance procedures and frequencies for stormwater treatment structures.	DPW Operations	Inspect and maintain treatment structures at least annually. Track number of structures maintained and inspected annually.	FY2019
Update Emergency Management Plan	Review and update Emergency Management Plan as appropriate	DPW Operations, Emergency Services	Meet with Police and Fire Dept. on a routine basis to discuss emergency management issues	FY2019

Integrated Pest Management Program	Exclude pesticide use on Town Properties	DPW Operations	Continue to implement IPM program for open spaces, parks, and greenways under Town jurisdiction.	FY2019
Employee Training - General Stormwater Topics	Continue to provide annual training to employees on pollution prevention and good housekeeping practices. Provide training on the SWPPP to be developed for the Town's DPW Facility.	DPW Operations	Continue to provide training on good housekeeping practices. Provide annual training on the Town's SWPPP for the DPW Facility within two years of the permit effective date. Track types of training and number of employees trained annually.	FY2020

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

Part III: Stormwater Management Program Summary (continued)

Actions for Meeting Total Maximum Daily Load (TMDL) Requirements

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

Applicable TMDL	Action Description	Responsible Department/Parties (enter your own text to override the drop down menu)
Lower Charles River (Phosphorus)	Adhere to requirements in part A.I of Appendix F	DPW Operations, Engineering, Planning
Upper/Middle Charles River (Phosphorus)	Adhere to requirements in part A.I of Appendix F	DPW Operations, Engineering, Planning
Charles River Watershed (Bacteria/Pathogens)	Adhere to requirements in part A.III of Appendix F	DPW Operations, Engineering, Board of Health

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

Part III: Stormwater Management Program Summary (continued)

Actions for Meeting Requirements Related to Water Quality Limited Waters

Use the drop-down menus to select the pollutant causing the water quality limitation and enter the waterbody ID(s) experiencing excursions above water quality standards for that pollutant. In addition, if you are subject to additional requirements due to a downstream nutrient impairment (see Part 2.2.2 of the permit) select the pollutant of concern and indicate applicable waterbody IDs or write "all waterbodies" if applicable. Choose the action description from the dropdown menu and indicate the responsible party. If no options are applicable, or more than one, **enter your own text to override drop-down menus.**

Pollutant	Waterbody ID(s)	Action Description	Responsible Department/Parties (enter your own text to override the drop down menu)
Oil and Grease	Charles River - Watertown Dam to the Boston University Bridge (MA72-36)	Adhere to requirements in part V of Appendix H	DPW Operations, Engineering, Planning

Part IV: Notes and additional information

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

Through consultation with the US Fish & Wildlife, it was determined that the only threatened species within Watertown is the northern long-eared bat. Actions currently proposed within this Notice of Intent will not affect this species. As Best Management Practices are constructed in the future, the Town will consult with US Fish & Wildlife prior to construction activities.

The Town does not have any direct discharges to an unnamed tributary to the Charles River locally known as Laundry Brook (MA72-30), which has impairments for phosphorus and turbidity/TSS requiring the development of a TMDL and is therefore not subject to the requirements of Part III, Actions for Meeting Requirements Related to Impaired Waters for the impairments associated with this receiving water.

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

Part V: Certification

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

Name:	Michael J. Driscoll	Title:	Town Manager
Signature:		Date:	October 1, 2018

[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

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 16, 2018
Consultation Code: 05E1NE00-2018-SLI-2777
Event Code: 05E1NE00-2018-E-06504
Project Name: General BMP installation and MS4 permit compliance

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

To Whom It May Concern:

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

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

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

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

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

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

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

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

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

Attachment(s):

- Official Species List

Official Species List

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

This species list is provided by:

New England Ecological Services Field Office
70 Commercial Street, Suite 300
Concord, NH 03301-5094
(603) 223-2541

Project Summary

Consultation Code: 05E1NE00-2018-SLI-2777

Event Code: 05E1NE00-2018-E-06504

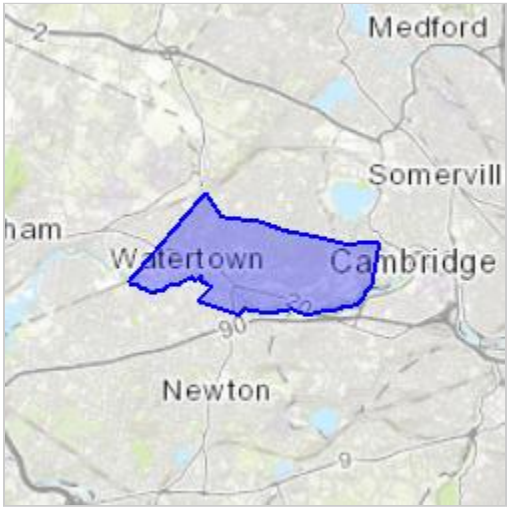
Project Name: General BMP installation and MS4 permit compliance

Project Type: LAND - MANAGEMENT PLANS

Project Description: Determination of criterion C for NOI compliance under the 2016 small MS4 permit.

Project Location:

Approximate location of the project can be viewed in Google Maps: https://www.google.com/maps/place/42.37249415257323N71.1758948834296W



Counties: Middlesex, MA | Suffolk, MA

Endangered Species Act Species

There is a total of 1 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 Fisheries[1], 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.

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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 *Myotis septentrionalis* No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/9045	Threatened

Critical habitats

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