

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? (Part II, III, IV or V, Subpart B.3.(a.) of 2003 permit) If 100% of 2003 requirements not met, enter an estimated date of completion (MM/DD/YY):

Web address where MS4 map is published:
If outfall map is unavailable on the internet an electronic or paper copy of the outfall map must be included with NOI submission (see section V for submission options)

Regulatory Authorities (if covered under the 2003 permit)

Illicit Discharge Detection and Elimination (IDDE) Authority Adopted? (Part II, III, IV or V, Subpart B.3.(b.) of 2003 permit) Effective Date or Estimated Date of Adoption (MM/DD/YY):

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

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

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
Tubwreck Brook	20	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Charles River	23	☐	☐	☐	☐	☐	☒	☐	☐	☐	DDT, Excess Algal Growth, Fishes Bioassessments, Nutrient/Eutrophication Biological Indicators, PCB in Fish Tissue, Eurasian Water Milfoil, Myriophyllum spicatum, Non-Native Aquatic Plants, Other flow regime operations, Other
Trout Brook	35	☐	☐	☐	☐	☐	☐	☐	☐	☐	Nutrient/Eutrophication Biological Indicators, Temperature, water
Mill Brook	9	☐	☐	☐	☐	☐	☐	☐	☐	☐	
North Brook	17	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Noanet Brook	3	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Hales Pond	6	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Bubbling Brook	1	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Reserve Pond	5	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Unnamed water bodies/tributaries	17	☐	☐	☐	☐	☐	☐	☐	☐	☐	
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Part III: Stormwater Management Program Summary

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

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

MCM 1: Public Education and Outreach

BMP Media/Category (enter your own text to override the drop down menu)	BMP Description	Targeted Audience	Responsible Department/Parties (enter your own text to override the drop down menu)	Measurable Goal	Beginning Year of BMP Implementation
Web Page	Dover will develop a webpage link for Stormwater activities including the Town's current SWMP, stormwater SOPs, announcements, etc.	Residents	Highway Department	Annual updates to the official town website to post stormwater events, milestones, documents, educational materials, etc.	2019
Local Public Service Announcements	Research and purchase a video(s) regarding proper stormwater management practices and standard operating procedures	Businesses, Institutions and Commercial Facilities	Highway Department	Broadcast video annually on local public access television.	2020

Web Page	Announcements directed toward developers and contractors noting Town by-laws and ordinances relative to construction site runoff control, site inspection and enforcement. Develop a memo for posting summarizing recent updates to packet of requirements that must be included when filing a Building Permit.	Developers (construction)	Highway Department	Two announcements on Town website during permit period	2021
Videos	Research and purchase a video regarding proper stormwater management practices.	Businesses, Institutions and Commercial Facilities	Highway Department	Broadcast video annually on local public access television.	2022
Brochures/Pamphlets	Pet waste disposal requirements, septic system maintenance and effects on catchments to meet the bacteria and pathogen TMDL requirement.	Residents	Highway Department/Engineering	Develop informational pamphlets for distribution at Town offices, bill stuffers, and display at Town website. Update message annually.	2019
Contests	Stormwater poster contest or other activities in schools	Schools	Highway Department	Develop a stormwater poster contest and activities promoting education on stormwater with the local schools	2022
		No Industrial Facilities in Town			

Part III: Stormwater Management Program Summary (continued)

[illegible]

[illegible]

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

Part III: Stormwater Management Program Summary (continued)

MCM 3: Illicit Discharge Detection and Elimination (IDDE)

BMP Categorization (enter your own text to override the drop down menu)	BMP Description	Responsible Department/Parties (enter your own text to override the drop down menu)	Measurable Goal (all text can be overwritten)	Beginning Year of BMP Implementation
SSO inventory	Develop SSO inventory in accordance with permit conditions	Highway Department	Complete within 1 year of effective date of permit	2019
Storm sewer system map	Update storm sewer system mapping with Phase I requirements	Highway Department	Update map within 2 years of effective date of permit and complete full system map 10 years after effective date of permit	2020
Written IDDE program	Create written IDDE plan incorporating all requirements in the permit	Highway Department	Complete within 1 year of the effective date of permit and update as required	2019
Implement IDDE program	Implement catchment investigations according to program and permit conditions. Catchments draining to waterbodies impaired due to bacteria or pathogens will be designated as high priority to address the bacteria and pathogens TMDL.	Highway Department	Complete 10 years after effective date of permit	2028
Employee training	Train employees on IDDE identification, removal of non-stormwater sources, and IDDE program implementation	Highway Department	Train annually beginning in year 2 of the permit	2020
Conduct dry weather screening	Conduct dry weather outfall screening in accordance with the procedures and conditions outlined in the permit	Highway Department	Complete 3 years after effective date of permit	2021

[illegible]

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

Part III: Stormwater Management Program Summary (continued)

MCM 4: Construction Site Stormwater Runoff Control

BMP Categorization (enter your own text to override the drop down menu or entered text)	BMP Description	Responsible Department/Parties (enter your own text to override the drop down menu)	Measurable Goal (all text can be overwritten)	Beginning Year of BMP Implementation
Site inspection and enforcement of Erosion and Sediment Control (ESC) measures	Complete written procedures for site inspections and enforcement procedures as required in the new permit	Highway Department	Complete within 1 year of the effective date of permit	2019
Site plan review	Update Town's existing site plan review written documentation to include additional requirements outlined in the permit	Highway Department	Complete within 1 year of the effective date of permit	2019
Erosion and Sediment Control	Implement requirements for construction operators to implement a sediment and erosion control program	Highway Department	Complete within 1 year of the effective date of permit	2019
Waste Control	Develop and implement written requirements to control wastes, including but not limited to, discarded building materials, concrete truck wash out, chemicals, litter, and sanitary wastes	Highway Department	Complete within 1 year of the effective date of permit	2019

[illegible]

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

Part III: Stormwater Management Program Summary *(continued)*

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

BMP Categorization (enter your own text to override the drop down menu or entered text)	BMP Description	Responsible Department/Parties (enter your own text to override the drop down menu)	Measurable Goal (all text can be overwritten)	Beginning Year of BMP Implementation
As-built plans for on-site stormwater control	Procedures to require submission of as-built drawings and ensure long term operation and maintenance will be a part of the SWMP	Highway Department	Require submission of as-built plans for completed projects within 2 years after completion of construction	2019
Target properties to reduce impervious areas	Identify at least 5 permittee-owned properties that could be modified or retrofitted with BMPs to reduce impervious areas and update annually	Highway Department	Complete 4 years after effective date of permit and report annually on retrofitted properties	2022
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. Dover is currently a Green Community.	Highway Department	Complete 4 years after effective date of permit and implement recommendations of report	2022
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	Highway Department	Complete 4 years after effective date of permit and implement recommendations of report	2022

[illegible]

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

Part III: Stormwater Management Program Summary (continued)

MCM 6: Municipal Good Housekeeping and Pollution Prevention

BMP Categorization (enter your own text to override the drop down menu or entered text)	BMP Description	Responsible Department/Parties (enter your own text to override the drop down menu)	Measurable Goal (all text can be overwritten)	Beginning Year of BMP Implementation
O&M procedures	Create written O&M procedures including all requirements contained in 2.3.7.a.ii for parks and open spaces, buildings and facilities, and vehicles and equipment	Highway Department	Complete and implement 2 years after effective date of permit	2020
Inventory all permittee-owned parks and open spaces, buildings and facilities, and vehicles and equipment	Create inventory	Highway Department	Complete 2 years after effective date of permit and implement annually	2020
Infrastructure O&M	Establish and implement program for repair and rehabilitation of MS4 infrastructure	Highway Department	Complete 2 years after effective date of permit	2020
Stormwater Pollution Prevention Plan (SWPPP)	Create SWPPPs for maintenance garages, transfer stations, and other waste-handling facilities	Highway Department	Complete and implement 2 years after effective date of permit	2020
Catch basin cleaning	Maintain schedule for catch basin cleaning such that each catch basin is no more than 50% full and clean catch basins as dictated by the schedule	Highway Department	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 municipal owned streets and parking lots in accordance with permit conditions	Highway Department	Sweep all municipal owned streets and parking lots twice per year, once in the spring and once in the fall	2018

Road salt use optimization program/winter road maintenance	Develop and implement winter road maintenance procedures including the use and storage of salt and sand, minimizing the use of road salt, and forbidding disposal of snow into waters	Highway Department	Complete and implement 1 year after effective date of permit. Implement salt use optimization during deicing season	2019
Inspection and maintenance of stormwater treatment structures	Establish and implement inspection and maintenance procedures and frequencies	Highway Department	Inspect and maintain treatment structures at least annually	2020
O&M Program (General)	Use environmentally safe and pet-friendly de-icing pellets consisting of calcium chloride on sidewalks around public buildings	Highway Department	Ongoing annual use	2018
O&M Program (Grounds Care/Integrate Pest Management)	Treat all Town-owned lawns with organic fertilizers	Parks/Recreation/Cemetery	Ongoing annual use	2018
Sidewalk sweeping	Annual sweeping of Town sidewalks	Highway Department	Complete once per year. Ongoing.	2018
Employee Training - General Stormwater Topics	Conduct an annual in-house training session reviewing general pollution abatement practices associated with municipal facilities	Highway Department	Implement 2 years after effective date of permit	2020

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

Part III: Stormwater Management Program Summary (continued)

Actions for Meeting Total Maximum Daily Load (TMDL) Requirements

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

[illegible]

Part III: Stormwater Management Program Summary (continued)

Use the drop-down menus to select the pollutant causing the water quality limitation and enter the waterbody ID(s) experiencing excursions above water quality standards for that pollutant. Choose the action description from the drop-down menu and indicate the responsible party. If no options are applicable, or more than one, **enter your own text to override drop-down menus.**

[illegible]

Part IV: Notes and additional information

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

Endangered Species Act (ESA) Determination Statement: Discharge and discharge related activities will have no affect or impact on listed species or critical habitat. The Town of Dover intends to comply with the Massachusetts MS4 General Permit and Appendix C.

National Historic Preservation Act (NHPA) Determination Statement: The Town of Dover has completed a determination and certifies its eligibility for this permit using Criterion A. At this time the Town does not have any planned projects involving subsurface land disturbance of less than one acre on NHPA sites. Any planned work will be outside of historic property areas. The Town met this requirement in the 2003 MS4 General Permit.

Attached are the following documents:

Attachment A - GIS Outfall Map dated May 2017.

Attachment B - US Department of the Interior Fish and Wildlife Service threatened and endangered species listing, dated August 29, 2018.

Additional Information

The Town cleans all 1,029 of its catch basins annually. Typically, up to 75% of the Town's catch basins are cleaned a second time on an annual basis. All Town streets are swept at least twice annually. All Town sidewalks are swept annually. The Town cleans hundreds of linear feet of drain pipe or paved drainage swales on an annual basis.

The Highway Department continues to minimize the tonnage of sodium chloride used on roadways during the winter by blending it with sand.

The Town continues to implement stormwater management and protection of the surrounding landscape and receiving waters due to new development by using the Town's Site Plan Review and Building Permit processes. As part of this process, the Town regularly inspects newly constructed stormwater mitigation structures (such as detention basins) as well as other temporary stormwater management and erosion controls measures from areas currently under construction.

Dover holds bi-weekly Town Inspector's meetings, including personnel involved in all ongoing construction projects throughout Town (public and private), to review the status of the projects and ongoing construction monitoring such that all construction projects meet Town standards and requirements prior to completion of the work.

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

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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 W. Ramsay

Title:

Town Administrator

Signature:

David W. Ramsay

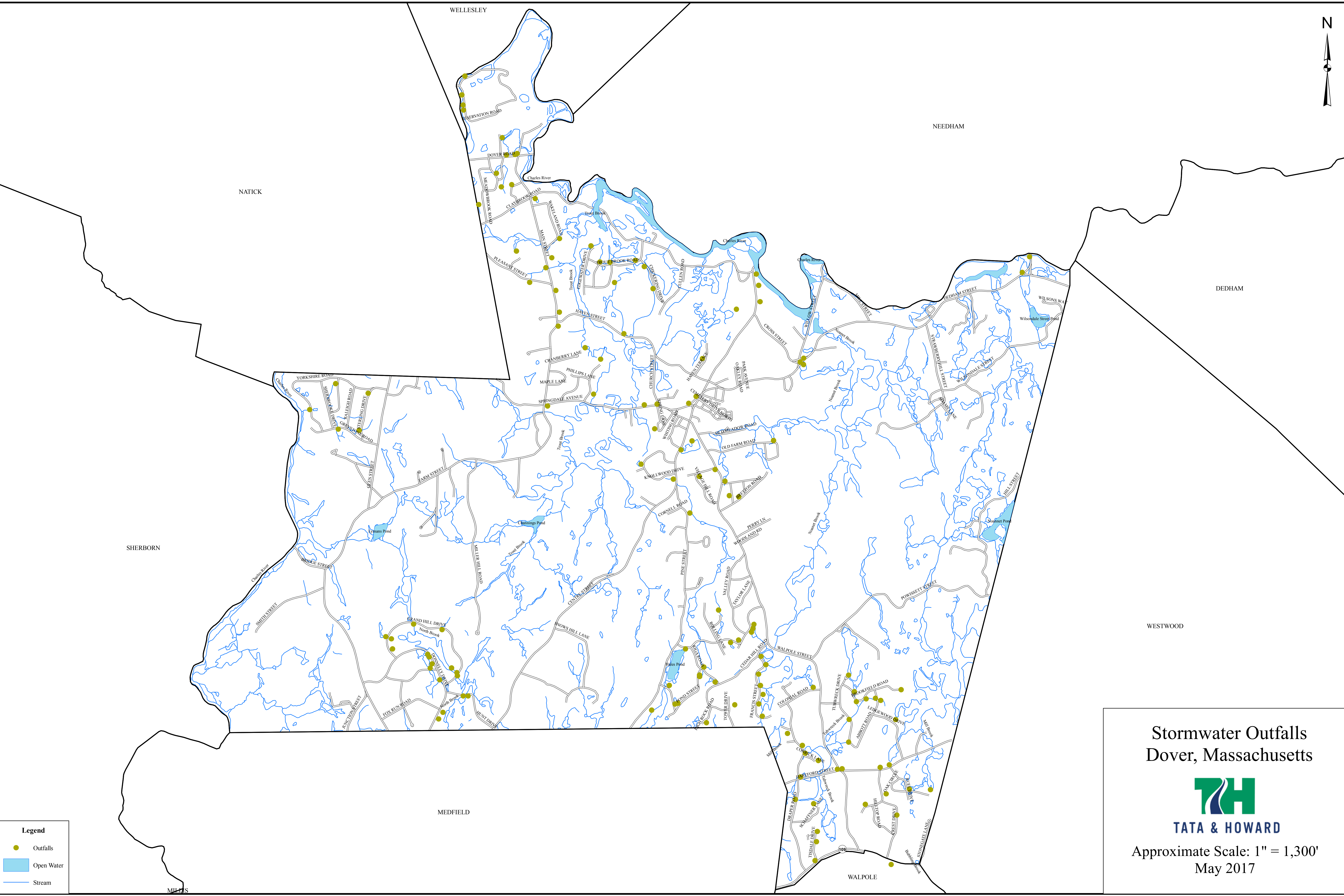
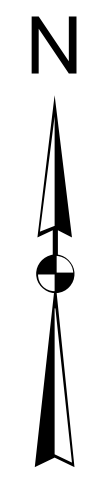
Date:

09/28/18

(To be signed according to Appendix B, Subparagraph B.1.1, Standard Conditions)

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

ATTACHMENT A



Legend

- Outfalls
- Open Water
- Stream

Stormwater Outfalls
Dover, Massachusetts


TATA & HOWARD

Approximate Scale: 1" = 1,300'
May 2017

ATTACHMENT B



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 29, 2018

Consultation Code: 05E1NE00-2017-SLI-1539

Event Code: 05E1NE00-2018-E-06870

Project Name: Dover, Massachusetts Small MS4 General Permit Notice of Intent

Subject: Updated 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
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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: 05E1NE00-2017-SLI-1539

Event Code: 05E1NE00-2018-E-06870

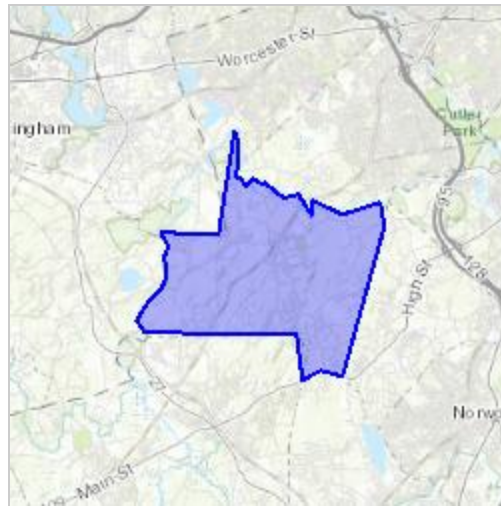
Project Name: Dover, Massachusetts Small MS4 General Permit Notice of Intent

Project Type: Regulation Promulgation

Project Description: On behalf of the Town of Dover, Massachusetts, we are preparing to submit a Notice of Intent (NOI) to the U.S. Environmental Protection Agency (EPA) for coverage under the 2016 Massachusetts Small MS4 General Permit for Stormwater Discharge. As part of the submission, the Town is required to consult with the U.S. Fish and Wildlife Service (USFWS) with regard to Federal Endangered and Threatened Species and Critical Habitat Protection. The Town is not planning any new stormwater Best Management Practices (BMPs) within any habitat areas. No earth moving and no tree cutting activities are planned and thus no effects on species of concern are anticipated.

Project Location:

Approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/place/42.2417221558906N71.28381509611224W>



Counties: Middlesex, MA | Norfolk, 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 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.

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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 <i>Myotis septentrionalis</i> 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.
