

Part I: General Conditions

General Information

Name of Municipality or Organization: Town of Lincoln State: MA

EPA NPDES Permit Number (if applicable): MAR041043

Primary MS4 Program Manager Contact Information

Name: Timothy Higgins Title: Town Administrator

Street Address Line 1: 16 Lincoln Road

Street Address Line 2: First Floor

City: Lincoln State: MA Zip Code: 01773

Email: higginst@lincolntown.org Phone Number: (781) 259-2600

Fax Number: (781) 259-8735

Other Information

Stormwater Management Program (SWMP) Location (web address or physical location, if already completed):

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? 80% If 100% of 2003 requirements not met, enter an estimated date of completion (MM/DD/YY): 06/30/19

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? No Effective Date or Estimated Date of Adoption (MM/DD/YY): 06/30/19

Construction/Erosion and Sediment Control (ESC) Authority Adopted? No Effective Date or Estimated Date of Adoption (MM/DD/YY): 06/30/19

Post- Construction Stormwater Management Adopted? No Effective Date or Estimated Date of Adoption (MM/DD/YY): 06/30/19

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](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	Pollutants										Other pollutant(s) causing impairments
		Chloride	Chlorophyll-a	Dissolved Oxygen/DO Saturation	Nitrogen	Oil & Grease/ PAH	Phosphorus	Solids/ TSS/ Turbidity	E. coli	Enterococcus		
MA72014, Cambridge Reservoir	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"/>	
MA72117, Todd Pond	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"/>	
Iron Mine 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"/>	
Stony Brook main stem to Sandy Pond	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"/>	
Stony Brook west branch	4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Unnamed tributary to Farrar Pond	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"/>	
Mill 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"/>	
Denormandie Land wetland at Trapelo Rd/Winter St	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 wetland at end of Page Farm Rd	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 between #134 and #144 Trapelo Rd	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 S of Sandy Pond Rd, just inside Concord	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"/>	
Stony Brook just over town line into Weston	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 between Old County and Forester Rds	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"/>	
Pierce Pond	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 pond in Pierce Park near Beaver Pond Rd	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 S of Stonehedge Rd	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 wetland S of Old Sudbury Rd	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"/>	
		<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

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
Brochures/Pamphlets	Distribute flyers regarding stormwater awareness and healthy lawns and landscapes, detailing pet waste disposal, lawn care, and the minimization or elimination of pesticide and fertilizer use.	Residents	Conservation Commission	Continue to provide information at Town Hall and public town events. Distribute brochures to residents.	2018
Brochures/Pamphlets	Distribute stormwater flyers to new residents as part of a welcome packet to engage them with stormwater issues.	Residents	Conservation Commission, Town Clerk	Continue to provide information to all new homeowners.	2018
Brochures/Pamphlets	Provide homeowner and contractor BMP manual for ecological design, construction, and maintenance.	Residents, Developers (construction)	Conservation Commission, Information Technology	Continue to provide manual and updates with best current methods.	2018
Brochures/Pamphlets	Distribute pet waste fact sheets with dog registrations and renewals.	Residents	Town Clerk	Provide information with all applications and renewals.	2018

<p>Newspaper Articles/Press Releases</p>	<p>Provide education regarding stormwater definitions, control, impacts, and influences through articles in the local newspaper.</p>	<p>Residents</p>	<p>Conservation Commission</p>	<p>Write at least one article per year.</p>	<p>2018</p>
<p>Web Page</p>	<p>Provide information on website related to illicit storm drain dumping, private septic system and well maintenance, proper hazardous waste disposal, and use of detergents, fertilizers, etc., and use of environmentally friendly products.</p>	<p>Residents</p>	<p>Conservation Commission, Information Technology</p>	<p>Continue to update and maintain the websites.</p>	<p>2018</p>
<p>Web Page</p>	<p>Provide information on website related to illicit storm drain dumping, proper hazardous waste disposal, and use of detergents, fertilizers, etc., and use of environmentally friendly products.</p>	<p>Businesses, Institutions, and Commercial Facilities</p>	<p>Conservation Commission, Information Technology</p>	<p>Continue to update and maintain the websites.</p>	<p>2018</p>
<p>Web Page</p>	<p>Provide information on website related to erosion and sediment control, Low Impact Development, and the Construction General Permit.</p>	<p>Developers (construction)</p>	<p>Conservation Commission, Information Technology</p>	<p>Continue to update and maintain the websites.</p>	<p>2018</p>
<p>Web Page</p>	<p>Municipal GIS website offers free access to GIS data layers for the Town.</p>	<p>Residents, Businesses, Institutions, Commer</p>	<p>Information Technology</p>	<p>Continue to update data layers to allow public access to accurate, up-to-date content.</p>	<p>2018</p>

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 <small>(enter your own text to override the drop down menu)</small>	Responsible Department/Parties <small>(enter your own text to override the drop down menu)</small>	Additional Description/ Measurable Goal	Beginning Year of BMP Implementation
Public Review	SWMP Review	Conservation Commission, Information Technology, Board of Selectmen, Planning	Allow annual review of stormwater management plan and posting of stormwater management plan on website.	2018
Public Participation	Develop and upload SWMP to the Town website and provide a link to	Conservation Commission, Information Technology, Board of Selectmen, Planning	Allow public to comment on stormwater management plan annually.	2018
Public Review	Annual meeting on NPDES plan and report	Town Administrator	Hold annual NPDES meeting including town planner, conservation director, and public works director	2018
Public Participation	Watershed group involvement	Conservation Commission	Continue ongoing activities to protect the health of wetlands and watersheds through involvement with groups like the Charles River Stormwater Collaborative, MAGIC Stormwater Partnership, SuAsCo River Stewardship Council	2018
Public Participation	Habitat inventory and monitoring	Conservation Commission	Continue baseline monitoring of conservation lands and holdings, as well as long-term ecosystem monitoring and studies	2018
Public Participation	Wetland restoration	Conservation Commission, Schools	Work at least once per year with school groups to restore wetland habitat through the removal of invasive species.	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	Department of Public Works, Health Department	Complete within 1 year of effective date of permit	2018
Storm sewer system map	Create map and update during IDDE program completion	Department of Public Works	Update map within 2 years of effective date of permit and complete full system map 10 years after effective date of permit	2018
Written IDDE program	Create written IDDE program	Department of Public Works, Health Department	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	Department of Public Works, Health Department	Complete 10 years after effective date of permit	2020
Employee training	Train employees on IDDE implementation	Department of Public Works	Train annually	2018
Conduct dry weather screening	Conduct in accordance with outfall screening procedure and permit conditions	Department of Public Works, Health Department	Complete 3 years after effective date of permit	2019
Conduct wet weather screening	Conduct in accordance with outfall screening procedure	Department of Public Works, Health Department	Complete 10 years after effective date of permit	2024
Ongoing screening	Conduct dry weather and wet weather screening (as necessary)	Department of Public Works, Health Department	Complete ongoing outfall screening upon completion of IDDE program	2028
IDDE Ordinance/Bylaw	Create and implement a new IDDE bylaw	Department of Public Works, Health Department, Planning Departme	Conduct discussions and review of regulations regarding IDDE.	2018

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 <small>(enter your own text to override the drop down menu or entered text)</small>	BMP Description	Responsible Department/Parties <small>(enter your own text to override the drop down menu)</small>	Measurable Goal <small>(all text can be overwritten)</small>	Beginning Year of BMP Implementation
Site inspection and enforcement of Erosion and Sediment Control (ESC) measures	Complete written procedures of site inspections and enforcement procedures	Conservation Commission, Planning and Land Use, Building Department	Complete within 1 year of the effective date of permit	2018
Site plan review	Complete written procedures of site plan review and begin implementation	Conservation Commission, Planning and Land Use, Building Department	Complete within 1 year of the effective date of permit	2018
Erosion and Sediment Control	Adoption of requirements for construction operators to implement a sediment and erosion control program	Conservation Commission, Planning and Land Use, Building Department	Complete within 1 year of the effective date of permit	2018
Waste Control	Adoption of requirements to control wastes, including but not limited to, discarded building materials, concrete truck wash out, chemicals, litter, and sanitary wastes	Conservation Commission, Planning and Land Use, Building Department	Complete within 1 year of the effective date of permit	2018
Construction Ordinance/Bylaw	Develop a regulatory mechanism requiring sediment and erosion controls at construction sites disturbing >1 acre	Conservation Commission, Planning and Land Use, Building Department	Complete within 1 year of the effective date of permit	2018

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

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

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

BMP Categorization (enter your own text to override the drop down menu or entered text)	BMP Description	Responsible Department/Parties (enter your own text to override the drop down menu)	Measurable Goal (all text can be overwritten)	Beginning Year of BMP Implementation
As-built plans for on-site stormwater control	The procedures to require submission of as-built drawings and ensure long term operation and maintenance will be a part of the SWMP	Conservation Commission, Planning and Land Use, Building Department	Require submission of as-built plans for completed projects	2018
Target properties to reduce impervious areas	Identify at least 5 permittee-owned properties that could be modified or retrofitted with BMPs to reduce impervious areas and update annually	Conservation Commission, Planning and Land Use, Building Department	Complete 4 years after effective date of permit and report annually on retrofitted properties	2020
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	Conservation Commission, Planning and Land Use, Building Department	Complete 4 years after effective date of permit and implement recommendations of report	2020
Street design and parking lot guidelines	Develop a report assessing requirements that affect the creation of impervious cover. The assessment will help determine if changes to design standards for streets and parking lots can be modified to support low impact design options.	Conservation Commission, Planning and Land Use, Building Department	Complete 4 years after effective date of permit and implement recommendations of report	2020

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

Part III: Stormwater Management Program Summary (continued)

MCM 6: Municipal Good Housekeeping and Pollution Prevention

BMP Categorization <small>(enter your own text to override the drop down menu or entered text)</small>	BMP Description	Responsible Department/Parties <small>(enter your own text to override the drop down menu)</small>	Measurable Goal <small>(all text can be overwritten)</small>	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	Department of Public Works, Building Department, Parks and Recrea	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	Department of Public Works, Building Department, Parks and Recrea	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	Department of Public Works	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	Department of Public Works	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	Department of Public Works	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	Department of Public Works	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	Department of Public Works	Implement salt use optimization during deicing season	2018

Inspections and maintenance of stormwater treatment structures	Establish and implement inspection and maintenance procedures and frequencies	Department of Public Works	Inspect and maintain treatment structures at least annually	2018
Employee Training - General Stormwater Topics	Provide municipal spill prevention and cleanup training to Department of Public Works and Fire Department Employees	Department of Public Works, Fire Department	Regular employee training to prevent/reduce stormwater pollution	2018

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.

Although portions of Hanscom Air Force Base are within the Town of Lincoln, they are regulated under their own MS4 permit and thus these areas are not included under the Town of Lincoln's program.

Because the Town's population relies on septic systems for wastewater management, SSO considerations will not apply to the Town's program.

Additionally, as the Town of Lincoln does not currently have an industrial sector, this audience has been omitted from the Public Education and Outreach measure.

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:

Timothy Higgins

Title:

Town Administrator

Signature:

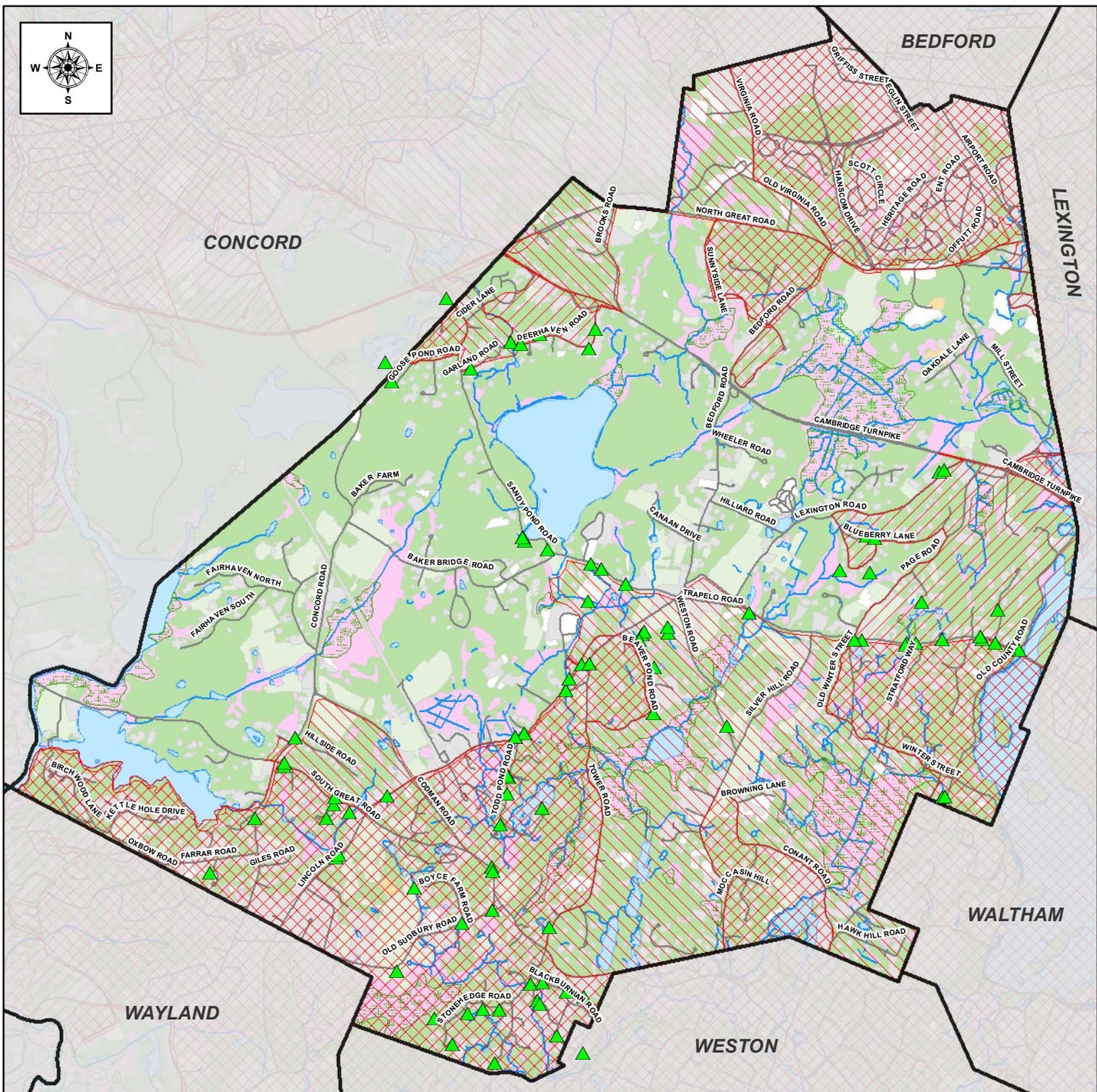


[To be signed according to Appendix, Subparagraph B.11, Standard Conditions]

Date:

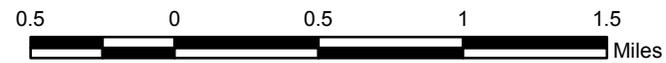
09/24/18

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



Legend

- Outfall
- 2010 Urbanized Area
- 2000 Urbanized Area
- Hydrography**
- Lake, Pond, Reservoir
- Wetland, Marsh, Swamp
- Stream, Brook
- Land Use**
- Residential / Commercial / Industrial
- Agriculture
- Forest
- Water
- Wetland
- Disturbed Land
- Other Cleared Land



Stormwater Map

Lincoln, MA



Comprehensive Environmental Incorporated

Data Source: CEI, MassGIS, Town of Lincoln



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- Engineering
- Design
- Construction
- Inspection

Thursday, August 09, 2018

David Simmons
U.S. Fish and Wildlife Service
New England Field Office
70 Commercial Street, Suite 300
Concord, NH 03301

RE: Informal Endangered Species Consultation – Lincoln, MA

Dear Mr. Simmons,

Responsive
service,
cost-effective
solutions,
technical
excellence

As required by the federal 2016 National Pollutant Discharge and Elimination System (NPDES) Municipal Separate Storm Sewer System (MS4) permit (2016 MS4 Permit) issued by the Environmental Protection Agency (EPA), communities must meet certain requirements under the Clean Water Act and Endangered Species Act (ESA) to ensure that activities undertaken do not adversely affect endangered and threatened species or critical habitat. This permit requires that applicants applying for permit coverage must assess the impacts of their stormwater discharges and discharge-related activities on federally listed endangered and threatened species (“listed species”) and designated critical habitat (“critical habitat”) to ensure that these goals are met.

- Drainage & Flooding
- Energy & Sustainability
- Hazardous Waste
- Permitting & NEPA
- Stormwater & LID
- Transportation
- Water & Wastewater
- Watershed Restoration

The 2016 MS4 Permit provides guidance on how to meet requirements of the ESA which in part requires communities with certain endangered species located within the “action area” (in this case, defined as the entirety of the community’s regulated urbanized area) to contact the United States Fish and Wildlife Services (USFWS) for a formal or informal consultation to determine that permit activities will result in either a “no jeopardy” opinion or “not likely to adversely affect” listed species or critical habitat. These procedures are outlined in Appendix C, Criterion B of the 2016 MS4 Permit.

Comprehensive Environmental Inc. (CEI) is working with the Town of Lincoln, Massachusetts to complete work under the 2016 MS4 Permit, including preparation of a Notice of Intent (NOI) for submittal to EPA. During preparation of the NOI and using the IPaC system, CEI identified one or more species (listed below) identified under Criterion B, which requires contacting USFWS for a formal or informal consultation. Therefore, the purpose of this letter is to request an informal consultation from USFWS for endangered species listed in Lincoln for which we have made a “not likely to adversely affect” determination.

Activities covered under the 2016 MS4 Permit include stormwater discharge and related activities such as inspections, maintenance, and repairs of stormwater infrastructure. There are several reasons why activities proposed will not affect endangered or threatened species:



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- Engineering
- Design
- Construction
- Inspection
- Responsive service, cost-effective solutions, technical excellence
- Drainage & Flooding
- Energy & Sustainability
- Hazardous Waste
- Permitting & NEPA
- Stormwater & LID
- Transportation
- Water & Wastewater
- Watershed Restoration

1. No new construction is proposed under this permit, and any new construction may be required to undergo its own specific permitting process.
2. Any repair work covered by this permit will only affect previously disturbed areas where stormwater controls are already installed. Due to the nature of stormwater systems, this work falls primarily along roads within urbanized areas, where the risk of encountering and adversely impacting endangered species is limited.
3. Repair work that falls within the wetlands or 100-foot buffer zone is regulated by the Massachusetts Wetlands Protection Act, which triggers a project specific endangered species review, providing more specific protection for those species within the wetlands or buffer zone.
4. All stormwater discharges are pre-existing and Lincoln was previously permitted under the 2003 MS4 NOI.

The following provides a list of species that were identified using the IPaC system, CEI's determination of "no effect" or "not likely to adversely affect," and a brief rationale regarding the determination. CEI is only seeking concurrence from the USFWS for those species with the determination of "not likely to adversely affect." Species range information was taken from the relevant USFWS species profile.

Terrestrial Animals

Northern Long-Eared Bat, "not likely to adversely affect" – In warmer months these bats roost and forage in forested areas. As no trees are being removed under this permit, and stormwater discharges are unlikely to affect the forested areas that serve as its habitat, CEI has determined that activities covered by this permit are "not likely to adversely affect" the Northern Long-Eared Bat.

Red Knot, "not likely to adversely affect" – This species of shorebird is not present within the town, although stormwater discharges from the town flow down rivers which pass through areas in which they are listed. The primary threat to this species is the overharvesting of horseshoe crab eggs in the Delaware Bay, which border Delaware and New Jersey. Due to their terrestrial nature, stormwater discharges are unlikely to affect them. Because of this, CEI has determined that activities covered by this permit are "not likely to adversely affect" the Red Knot.

Roseate Tern, "not likely to adversely affect" – This species of shorebird is not present within the town, although stormwater discharges from the town flow down rivers which pass through areas in which they are listed. The primary threat to them is human disturbance and habitat destruction. Due to their terrestrial nature, stormwater discharges are unlikely to affect them. Because of this, CEI has



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- Engineering
- Design
- Construction
- Inspection
- Responsive service, cost-effective solutions, technical excellence
- Drainage & Flooding
- Energy & Sustainability
- Hazardous Waste
- Permitting & NEPA
- Stormwater & LID
- Transportation
- Water & Wastewater
- Watershed Restoration

determined that activities covered by this permit are “not likely to adversely affect” the Roseate Tern.

CEI has determined that the stormwater discharges and discharge related activities regulated by this permit will have “no effect” on, or are “not likely to adversely affect” the above listed species within the action areas. We request a written concurrence from you regarding the species we have listed with the “not likely to adversely affect” determination. The Town of Lincoln agrees to re-initiate consultation with USFWS if structural Best Management Practices (BMPs) not identified on the NOI are proposed for installation or construction during the course of the permit term.

Please review the above list and inform us of your conclusions at your earliest convenience. If you have any questions or would like to discuss, please contact me at 800.725.2550 x381 or tpetersen@ceiengineers.com.

Sincerely,

COMPREHENSIVE ENVIRONMENTAL

Travis Petersen
Project Scientist

Attachments/Enclosures:
Official Species List – US Fish & Wildlife Service



United States Department of the Interior



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

In Reply Refer To:

July 27, 2018

Consultation Code: 05E1NE00-2018-SLI-2538

Event Code: 05E1NE00-2018-E-05953

Project Name: Lincoln MS4 Endangered Species Review

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-2538

Event Code: 05E1NE00-2018-E-05953

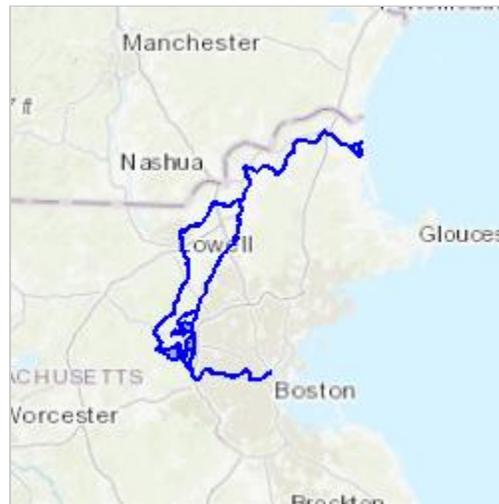
Project Name: Lincoln MS4 Endangered Species Review

Project Type: LAND - DRAINAGE

Project Description: Determination of impact of stormwater discharges and discharge related activities to threatened and endangered species per Appendix C of the MA MS4 General Permit. Stormwater discharge occurs from pre-existing outfalls within the regulated zone, as shown on the map.

Project Location:

Approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/place/42.45333483644192N71.28274749284269W>



Counties: Essex, MA | Middlesex, MA | Suffolk, MA

Endangered Species Act Species

There is a total of 3 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

Birds

NAME	STATUS
Red Knot <i>Calidris canutus rufa</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/1864	Threatened
Roseate Tern <i>Sterna dougallii dougallii</i> Population: northeast U.S. nesting pop. No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/2083	Endangered

Critical habitats

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



United States Department of the Interior



FISH AND WILDLIFE SERVICE

New England Field Office
70 Commercial 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

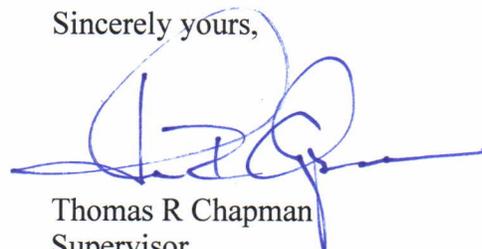
species listed under **Criterion C**,¹ you may still use this letter to certify under **Criterion B**. All existing guidance regarding requirements for certifying eligibility according to the USFWS Criterion A, B, or C for coverage by the 2016 MS4 Permit (see MA MS4 General Permit Appendix C – Endangered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