



Town of Holden
Department of Public Works



Patrick Wood, P.E.
Civil Engineer

September 18, 2018

United States Environmental Protection Agency
Stormwater and Construction Permit Section (OEP06-1)
Five Post Office Square, Suite 100
Boston, MA 02109

Re: 2016 Small MS4 General Permit
Town of Holden, Massachusetts Notice of Intent
MADEP Transmittal No. W040559
EPA Permit Number MAR041121

Dear Members of the United States Environmental Protection Agency,

The Town of Holden, Massachusetts is pleased to provide you with the attached Notice of Intent (NOI) for coverage under the Small Municipal Separate Storm Sewer Systems (MS4) General Permit. Holden has previously been authorized under the May 1, 2003 small MS4 permit.

Should you have any questions, please do not hesitate to call me at (508) 210-5548.

Sincerely,

Patrick Wood, P.E.
Civil Engineer

Attach: Notice of Intent for Coverage under Small MS4 General Permit
Letter of Endangered Species Act Acknowledgement

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

Page 1 of 19

Part I: General Conditions

General Information

Name of Municipality or Organization: Town of Holden

State: MA

EPA NPDES Permit Number (if applicable): MAR041121

Primary MS4 Program Manager Contact Information

Name: Patrick Wood

Title: Civil Engineer

Street Address Line 1: 1196 Main Street

Street Address Line 2:

City: Holden

State: MA

Zip Code: 01520

Email: pwood@holdenma.gov

Phone Number: (508) 210-5550

Fax Number:

Other Information

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

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:

www.mapsonline.net/holdenma

*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)

Yes

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

05/16/11

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):

05/16/11

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):

05/16/11

Part II: Summary of Receiving Waters

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

[illegible]

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 trib to Wetland area adjacent to I190 crossing Shrewsbury	6	<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 trib to Indian Lake adjacent to Nelson	2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Unnamed trib to Indian Lake crossing Parker	2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Unnamed trib to Wachusett Res adjacent to Juniper	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"/>	
Eagle Lake	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Non-native plants
		<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"/>	
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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 Implementation
Social Media Post/Flyer	Share a Think Blue Massachusetts Pet Waste Disposal message or website	Residents	DPW, Town Manager Office	Track # of followers, views, likes, comments and shares	2018
Social Media Post/Flyer	Share a Think Blue Massachusetts Proper Waste Disposal message or website	Businesses, Institutions and Commercial Facilities	DPW, Town Manager Office	Track # of followers, views, likes, comments and shares	2018
Social Media Post/Flyer	Share a Think Blue Massachusetts Erosion and Sediment Controls message or website	Developers (construction)	DPW, Town Manager Office	Track # of followers, views, likes, comments and shares	2019
Social Media Post/Flyer	Share a Think Blue Massachusetts Fleet Management message or website	Industrial Facilities	DPW, Town Manager Office	Track # of followers, views, likes, comments and shares	2019
Social Media Post/Flyer	Share a Think Blue Massachusetts Yard Care message or website	Residents	DPW, Town Manager Office	Track # of followers, views, likes, comments and shares	2020
Social Media Post/Flyer	Share a Think Blue Massachusetts Lawn/Landscaping Care BMPs message or website	Businesses, Institutions and Commercial Facilities	DPW, Town Manager Office	Track # of followers, views, likes, comments and shares	2020

[illegible]

Part III: Stormwater Management Program Summary (continued)

[illegible]

Town of Holden

[illegible]

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

Part III: Stormwater Management Program Summary (continued)

MCM 3: Illicit Discharge Detection and Elimination (IDDE)

BMP Categorization (enter your own text to override the drop down menu)	BMP Description	Responsible Department/Parties (enter your own text to override the drop down menu)	Measurable Goal (all text can be overwritten)	Beginning Year of BMP Implementation
SSO inventory	Develop SSO inventory in accordance of permit conditions	DPW, Board of Health, Conservation Commission	Complete within 1 year of effective date of permit	2018
Storm sewer system map	Create map and update during IDDE program completion	DPW	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	DPW	Complete within 1.5 years of the effective date of permit and update as required	2018
Implement IDDE program	Implement catchment investigations according to program and permit conditions	DPW	Complete 10 years after effective date of permit	2019
Employee training	Train employees on IDDE implementation	DPW, Board of Health, Conservation Commission, Planning and Develop	Train annually	2019
Conduct dry weather screening	Conduct in accordance with outfall screening procedure and permit conditions	DPW	Complete 3 years after effective date of permit	2019
Conduct wet weather screening	Conduct in accordance with outfall screening procedure	DPW	Conduct in accordance with outfall screening procedures and permit conditions.	2020

[illegible]

Part III: Stormwater Management Program Summary (continued)

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

[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	The procedures to require submission of as-built drawings and ensure long term operation and maintenance will be a part of the SWMP	DPW, Con. Com., Planning Board, Planning and Development	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	DPW	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	DPW, Planning and Development	Complete 4 years after effective date of permit.	2019
Street design and parking lot guidelines	Develop a report assessing requirements that affect the creation of impervious cover. The assessment will help determine if changes to design standards for streets and parking lots can be modified to support low impact design options.	DPW, Planning and Development	Complete 4 years after 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 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	DPW, Recreation Department	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	DPW, Recreation Department	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	DPW	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	DPW	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	DPW	Clean catch basins on established schedule and report number of catch basins cleaned	2019
Street sweeping program	Sweep all streets and permittee-owned parking lots in accordance with permit conditions	DPW	Sweep all streets and permittee-owned parking lots once per year in the spring	2019
Road salt use optimization program	Establish and implement a program to minimize the use of road salt	DPW	Implement salt use optimization during deicing season and track the quantity used.	2018

[illegible]

Part III: Stormwater Management Program Summary (continued)

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 dropdown menu and indicate the responsible party. If no options are applicable, or more than one, **enter your own text to override drop-down menus.**

[illegible]

Part IV: Notes and additional information

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

Click to add text

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:

Peter M. Lukas

Title:

Town Manager

Signature:

Peter M. Lukas

Date:

10/1/18

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

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



Town of Holden
Department of Public Works



Patrick Wood, P.E.
Civil Engineer

August 21, 2018

Fred Civian
Stormwater Coordinator
Massachusetts Department of Environmental Protection
One Winter Street-5th Floor
Boston, MA 02108

Re: ESA Letter for 2016 Small MS4 General Permit
Town of Holden, Massachusetts Notice of Intent
MADEP Transmittal No. W040559
EPA Permit Number MAR041121

Dear Mr. Civian,

The ESA Eligibility Criterion was determined using the U.S. Fish and Wildlife Service (USFWS) database "Information for Planning and Consultation" or IPac (<https://ecos.fws.gov/ipac/>).

The area of Holden was defined and the database determined which endangered species are in the area. The only species listed in the area are the northern long-eared bat and the small whorled pogonia.

Using the best scientific and commercial data available, the effect of the stormwater discharge and discharge related activities does not appear to have any affect on any federally threatened or endangered listed species or designated critical habitat under the jurisdiction of the USFWS.

Because of the reasons listed above, the Town of Holden meets the requirements for Criterion C.

Should you have any questions, please do not hesitate to call me at (508) 210-5548.

Sincerely,

Patrick Wood, P.E.
Civil Engineer



Town of Holden
Department of Public Works



Patrick Wood, P.E.
Civil Engineer

September 18, 2018

Fred Civian
Stormwater Coordinator
Massachusetts Department of Environmental Protection
One Winter Street-5th Floor
Boston, MA 02108

Re: NHPA Letter for 2016 Small MS4 General Permit
Town of Holden, Massachusetts Notice of Intent
MADEP Transmittal No. W040559
EPA Permit Number MAR041121

Dear Mr. Civian,

The NHPA Eligibility Criterion "A" was determined since the Town has an existing MS4 permitted under the 2003 coverage. No significant changes to the system have been made.

Should you have any questions, please do not hesitate to call me at (508) 210-5548.

Sincerely,

Patrick Wood, P.E.
Civil Engineer

From: [Patrick J. Wood](#)
To: [Vuto, Michelle](#)
Cc: [John Woodsmall](#); jmccauley@holdenma.gov
Subject: Re: Small MS4 NOI submission - additional or corrected information required
Date: Thursday, February 28, 2019 2:03:29 PM

Hi Michelle,

Thank you for responding to us regarding the Town of Holden's NOI submission. As you requested, this email will serve as confirmation to an additional BMP category in MCM3.

The Town of Holden will include ongoing screening, which will entail dry weather and wet weather screening as necessary upon completion of the IDDE program.

Please let me know if you need any more information and when the NOI will be officially approved.

Thank you

On 2/27/2019 4:05 PM, Vuto, Michelle wrote:

Hi Patrick,

EPA requires additional information to receive a complete NOI submission for your MS4 and continue the review process. Please respond to this email confirming that regarding MCM3, the Town of Holden will conduct ongoing screening (conduct dry weather and wet weather screening as necessary upon completion of IDDE program).

You do not need to resubmit your entire NOI form. Please respond with the requested information as soon as you can. If the additional information is not received within 30 days of the date on this email EPA may initiate the process to deny your NOI, unless additional time is granted by EPA for such submission.

Please let me know if you have any questions.

Best,

Michelle Vuto
Stormwater & Construction Permits
U.S. EPA Region 1
5 Post Office Square—OEP06-4
Boston, MA 02109-3912
617-918-1222

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Patrick Wood, P.E.
Civil Engineer
Town of Holden
pwood@holdenma.gov