# Notice of Intent (NOI) for coverage under Small MS4 General Permit $\,^{Page\,1\,of\,19}$

Part I: 0	General Cond	<u>litions</u>								
Gener	al Informati	on								
Name o	Name of Municipality or Organization: Town of Millis, MA  State: MA									
EPA NPI	DES Permit Nur	nber (if applicable):	AR041100	)						
Prima	y MS4 Prog	ram Manager Con	itact Info	ormati	on					
Name:	James McKay			Title:	Director, [	Department (	of Public Works			
Street A	ddress Line 1:	900 Main Street								
Street A	ddress Line 2:									
City:	Millis				State:	МА	Zip Code:	02054		
Emai <b>l</b> :	jmckay@millis	ma.net		Phone	Number: (	508) 376-542	4			
Fax Nur	nber: (508) 37	6-2442			_					
Other	 Information									
		(5) (6)								
	•	ent Program (SWMP) L Il location, if already com	In	ttp://ww	w.millis.org	/Pages/Milli	sMA_DPW/StrmW	/tr.pdf/2003	3Phasell.pdf	;
Eligibi	lity Determi	nation								
Endang	ered Species Ac	ct (ESA) Determination	n Complete	e? Yes			Eligibility Criteri (check all that ap		A	] C
Nationa	l Historic Prese	rvation Act (NHPA) Det	terminatio	n Compl	lete? Yes		Eligibility Criteri (check all that ap	a 🖂	А 🗌 В 🗀	] C
✓ CI	neck the box if	your municipality or or	ganizatior	n was co	vered unde	the 2003 M	S4 General Permit	t		
MS4 Ir	frastructure	e (if covered under the 200	3 permit)							
1		Outfall Map Complet rt B.3.(a.) of 2003 permi	1 1 1 1 10/6		I	-	ements not met, e pletion (MM/DD/			
		4 map is published:	http://ww	vw millis	org/Pages/	MillisMA DF	PW/StrmWtr.pdf/N	AS4Map pd	 f	
or paper co	ppy of the outfall ma	n the internet an electronic ap must be included with for submission options)			.org/r uges/					
Regula	atory Autho	rities (if covered under th	ne 2003 perm	nit)						
		ction and Elimination ort B.3.(b.) of 2003 permi		uthority	Adopted?	Yes	Effective Date of Date of Adoptio		106/28/	′04
1		and Sediment Control of B.4.(a.) of 2003 permit		uthority	Adopted?	Yes	Effective Date of Date of Adoptio		106/78/	′04
1		ormwater Manageme ert B.5.(a.) of 2003 permi	_	ed?		Yes	Effective Date of Date of Adoptio		106/78/	04

# Town of Millis, MA Page 2 of 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

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
Bogastow Brook (MA72-16)	42										Fecal Coliform / Pathogens
Charles River (MA72-05)	27			$\boxtimes$			$\boxtimes$				Non-Native Aquatic Plants, Aquatic Macroinvertebrate Bioassessments, Chlordane, DDT, Excess Algal Growth, Mercury in Fish Tissue, Nutrient/Eutrophication Biological Indicators
Great Black Swamp	12										
Maple Swamp	8										
Mccarthy Pond	4										
Richardsons Pond	3										
Walker Pond (MA72-126)	2										

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Click to lengthen table

# Town of Millis, MA Notice of Intent (NOI) for coverage under Small MS4 General Permit Page 4 of 19

### Part III: Stormwater Management Program Summary

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

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

#### MCM 1: Public Education and Outreach

BMP Media/Category (enter your own text to override the drop down menu)	BMP Description	Targeted Audience	Responsible Department/Parties (enter your own text to override the drop down menu)	Measurable Goal	Beginning Year of BMP Imple- mentation
Web Page	Post stormwater information for residents on Stormwater Web Page	Residents	DPW Operations	Number of page views	2018
Web Page	Post stormwater information for business on Stormwater Web Page	Businesses, Institutions and Commercial Facilities	DPW Operations	Number of page views	2018
Brochures/Pamphlets	Add stormwater brochure / flyer to developer packet through Plan review	Developers (construction)	Building Inspection / Conservation Commission / Planning	Number of brochures distributed	2018
Brochures/Pamphlets	Distribute mailers to targeted audience	Industrial Facilities	DPW Operations	Number of brochures distributed	2018
Brochures/Pamphlets	Mail stormwater information with Annual Water Quality Report	Residents	DPW Operations	Number of brochures distributed	2021
Brochures/Pamphlets	Distribute mailers to targeted audience	Businesses, Institutions and Commercial Facilities	DPW Operations	Number of brochures distributed	2021
Brochures/Pamphlets	Distribute mailers to targeted audience	Developers (construction)	Building Inspection / Conservation Commission / Planning	Number of brochures distributed	2021

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Brochures/Pamphlets	Distribute mailers to targeted audience	Industrial Facilities	DPW Operations	Number of brochures distributed	2021
Brochures/Pamphlets	Distribute messaging on Leaf litter (Sept-Oct)	Businesses, Institutions and Commercial Facilit	DPW Operations	Number of brochures distributed	2018
Brochures/Pamphlets	Distribute messaging on Leaf litter (Sept-Oct)	Residents	DPW Operations	Number of brochures distributed	2018
Brochures/Pamphlets	Distribute messaging on Grass clippings & fertilizers (March- April)	Businesses, Institutions and Commercial Facilit	DPW Operations	Number of brochures distributed	2018
Brochures/Pamphlets	Distribute messaging on Grass clippings & fertilizers (March- April)	Residents	DPW Operations	Number of brochures distributed	2018
Brochures/Pamphlets	Distribute messaging on Pet waste – via rabies clinic (Dec- April)	Dog Owners	Board of Health	Number of brochures distributed	2018
Brochures/Pamphlets	Distribute Septic system maintenance information	Residents with Septic System	Board of Health	Number of brochures distributed / number of properties with septic	2018

Part III: Stormwater Management Program Summary (continued)

MCM 2: Public Involvement and Participation

BMP Categorization	Brief BMP Description (enter your own text to override the drop down menu)	Responsible Department/Parties (enter your own text to override the drop down menu)	Additional Description/ Measurable Goal	Beginning Year of BMP Imple- mentation
Public Review	SWMP Review	DPW Operations	Allow annual review of stormwater management plan and posting of stormwater management plan on website	2019
Public Participation	Program Update at Public Meeting	DPW Operations	Allow public to comment on stormwater management plan annually	2019
Public Participation	Stormwater educational curriculum	DPW Operations	Department of Public Works will identify or develop curriculum related to stormwater and will present this material to a science class at the local elementary school (4th grade)	2019

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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)	<b>Measurable Goal</b> (all text can be overwritten)	Beginning Year of BMP Imple- mentation
SSO inventory	Develop SSO inventory in accordance of permit conditions	DPW Operations	Complete within 1 year of effective date of permit	2018
Storm sewer system map	Create map and update during IDDE program completion	DPW Operations	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 Operations	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	DPW Operations	Complete 10 years after effective date of permit	2019
Employee training	Train employees on IDDE implementation	DPW Operations	Train annually	2018
Conduct dry weather screening	Conduct in accordance with outfall screening procedure and permit conditions	DPW Operations	Complete 3 years after effective date of permit	2019
Conduct wet weather screening	Conduct in accordance with outfall screening procedure	DPW Operations	Complete 10 years after effective date of permit	2023
Ongoing screening	Conduct dry weather and wet weather screening (as necessary)	DPW Operations	Complete ongoing outfall screening upon completion of IDDE program	2023

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Part III: Stormwater Management Program Summary (continued)

MCM 4: Construction	Site Stormwater	Runoff Control
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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)	<b>Measurable Goal</b> (all text can be overwritten)	Beginning Year of BMP Imple- mentation
Site inspection and enforcement of Erosion and Sediment Control (ESC) measures	Complete written procedures of site inspections and enforcement procedures	Board of Selectmen, Board of Health / Conservation Commission	Complete within 1 year of the effective date of permit	2018
Site plan review	Complete written procedures of site plan review and begin implementation	Building	Complete within 1 year of the effective date of permit	2018
Erosion and Sediment Control	Adoption of requirements for construction operators to implement a sediment and erosion control program	Board of Health / Conservation Commission	Complete within 1 year of the effective date of permit	2018
Waste Control	Adoption of requirements to control wastes, including but not limited to, discarded building materials, concrete truck wash out, chemicals, litter, and sanitary wastes	Board of Health / Conservation Commission	Complete within 1 year of the effective date of permit	2018

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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)	<b>Measurable Goal</b> (all text can be overwritten)	Beginning Year of BMP Imple- mentation
As-built plans for on-site stormwater control	The procedures to require submission of asbuilt drawings and ensure long term operation and maintenance will be a part of the SWMP	Planning Board, Zoning Board of Appeals	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	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	Planning Board, Building Inspection 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.	Planning Board, Zoning Board of Appeals	Complete 4 years after effective date of permit and implement recommendations of report	2022

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Is or management practices for new development and redevelopment meet the retention or treatment requirements of the permit and all applicable requirements of the Massachusetts Stormwater Handboo	ion, amendment, or modification of a regulatory mechanism to meet permit requirement	Planning Board, Zoning Board of Appeal	lete 2 years after effective date of permi	201

Part III: Stormwater Management Program Summary (continued)

MCM 6: Municipal Good Housekeeping and Pollution Prevention

BMP Categorization (enter your own text to override the drop down menu or entered text)	BMP Description	Responsible Department/Parties (enter your own text to override the drop down menu)	Measurable Goal (all text can be overwritten)	Beginning Year of BMP Imple- mentation
O&M procedures	Create written O&M procedures including all requirements contained in 2.3.7.a.ii for parks and open spaces, buildings and facilities, and vehicles and equipment	DPW Operations	Complete and implement 2 years after effective date of permit	
Inventory all permittee-owned parks and open spaces, buildings and facilities, and vehicles and equipment	Create inventory	DPW Operations	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 Operations	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 Operations	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 Operations	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 permitee-owned parking lots in accordance with permit conditions	DPW Operations	Sweep all streets and permitee-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	DPW Operations	Implement salt use optimization during deicing season	2018

Town of Millis, M

Inspections and maintenance of stormwater treatment structure	lish and implement inspection and maintenance procedures and frequencie	DPW Operation	Inspect and maintain treatment structures at least annuall	201

# Town of Millis, MA Notice of Intent (NOI) for coverage under Small MS4 General Permit

Part III: Stormwater Management Program Summary (continued)

Actions for Meeting Total Maximum Daily Load (TMDL) Requirements

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

Applicable TMDL	Action Description	Responsible Department/Parties (enter your own text to override the drop down menu)
Upper/Middle Charles River (Phosphorus)	Adhere to requirements in part A.I of Appendix F	DPW
Charles River (Pathogens)	Adhere to requirements in part A.III of Appendix F	DPW
Bogastow Brook (Pathogens)	Adhere to requirements in part A.III of Appendix F	DPW
	Adhere to requirements in part A.I of Appendix F	
	Adhere to requirements in part A.I of Appendix F	
	Adhere to requirements in part A.I of Appendix F	
	Adhere to requirements in part A.I of Appendix F	
	Adhere to requirements in part A.I of Appendix F	
	Adhere to requirements in part A.I of Appendix F	

# Town of Millis, MA Notice of Intent (NOI) for coverage under Small MS4 General Permit

Part III: Stormwater Management Program Summary (continued)

Actions for Meeting Requirements Related to Water Quality Limited Waters

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

Pollutant	Waterbody ID(s)	Action Description	Responsible Department/Parties (enter your own text to override the drop down menu)
		Adhere to requirements in part III of Appendix H	
		Adhere to requirements in part I of Appendix H	
		Adhere to requirements in part I of Appendix H	
		Adhere to requirements in part I of Appendix H	
		Adhere to requirements in part I of Appendix H	
		Adhere to requirements in part I of Appendix H	

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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.

Also, provide any additional information about your MS4 program below.
The results from the U.S. Fish and Wildlife IPaC system determined that the Town of Millis' MS4 area contains the Northern Long-eared Bat. See attached resource list as a reference for IPac results and A NHESP Habitats map from the MA GIS database. Using the ESA Eligibility criteria as referenced in Appendix C of the MA Small MS4 General Permit, the Town falls under criterion C. Based on our review, there is no discharge related activities involving the habitat of this species of bat therefore the Town's MS4 system does not affect any federally threatened or endangered listed species.
The Town of Millis was a permittee under the 2003 MS4 Permit; therefore the Town meets criteria A of Appendix D to the small MS4 General Permit and completed a consultation with the State Historic Preservation Officer at that time. The Town is not aware of planned projects which would impact historic properties.
An attachment of the Town of Millis's MS4 system map and reference materials related to these screenings are attached.
Additional information:
ESA and NHPA Documentation
Stormwater System Map

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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:	Catherine C. MacInnes	Tit <b>l</b> e:	Chair, Board of Selectmen
Signature:	To be signed according to Appendix B, Subparagraph B.11, Standard Conditions]	Date:	

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

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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:	Catherine C. MacInnes	Title:	Chair, Board of Selectmen
Signature:	To be signed according to Appendix B, Subparagraph B.11, Standard Conditions	Date:	9/10/18

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

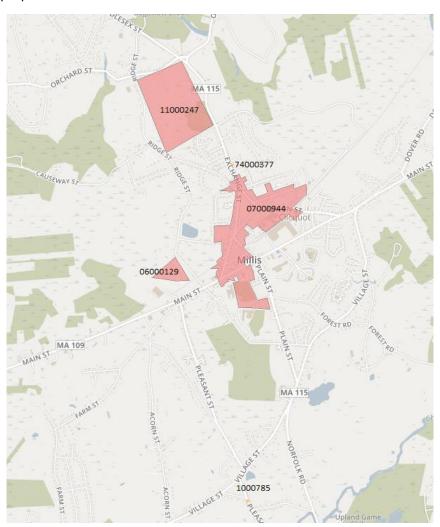
#### Town of Millis, MA

#### **NOI Screenings**

#### **Historic Properties:**

- A map of Federally Listed Historic Properties was accessed from the following web location: https://www.nps.gov/maps/full.html?mapId=7ad17cc9-b808-4ff8-a2f9-a99909164466
- The following is a list of Federally Listed Historic Properties in Millis, MA
  - Oak Grove Farm (#11000247)
  - o Prospect Hill Cemetery (#06000129)
  - o Millis Center Historic District (#07000944)
  - o John Partridge House (#74000377)
  - Ellice School (#10000785)

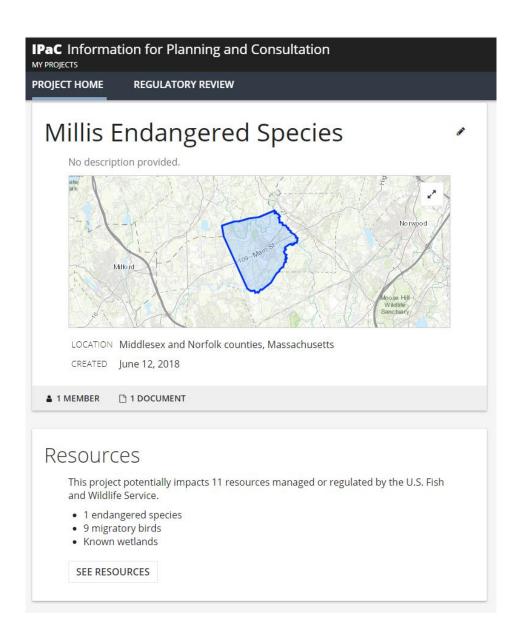
The Town's MS4 is an existing system covered under the 2003 permit; therefore, the Town meets Criteria A of Appendix D to the MS4 General Permit and went through consultation with the State Historic Preservation Officer at that time. No discharge related activities are planned which will have an affect on these properties.



#### **Endangered Species:**

- Based on Appendix C, eligible under Criterion C: area containing Northern Long-eared Bat

The results from the U.S. Fish and Wildlife IPaC system determined that Millis' MS4 area contains the Northern Long-eared Bat. See attached resource list as a reference for IPac results and A NHESP Habitats map from the MA GIS database. Using the ESA Eligibility criteria as referenced in Appendix C of the MA Small MS4 General Permit, Millis falls under criterion C. Based on our review, there is no planned discharge related activities that will negatively impact the habitat of the Northern Long-eared Bat, and therefore the Town's MS4 system will not affect any federally threatened or endangered listed species.



# Endangered species

Listed species 1 and their critical habitats are managed by the Ecological Services Program of the U.S. Fish and Wildlife Service (USFWS) and the fisheries division of the National Oceanic and Atmospheric Administration (NOAA Fisheries 2).

Species and critical habitats under the sole responsibility of NOAA Fisheries are not shown on this list. Please contact NOAA Fisheries for species under their jurisdiction.

Additional information on endangered species data is provided below.

The following species are potentially affected by activities in this location:

**■ THUMBNAILS ■ LIST** 

### **Mammals**



### Critical habitats

Potential effects to critical habitat(s) in this location must be analyzed along with the endangered species themselves.

THERE ARE NO CRITICAL HABITATS AT THIS LOCATION.

- > What does IPaC use to generate the list of endangered species potentially occurring in my specified location?
- > Do these lists represent all species to be considered at this location?
- > If this resource list is empty, do I still need to coordinate with the USFWS?
- > What is an 'official species list' and why would I need one?

