### Part I: General Conditions

Genera	al Informati	ion						
Name o	f Municipality (	or Organization: Plymouth					State: MA	
EPA NPO	DES Permit Nur	mber (if applicable): MAR041	150					
Primar	ry MS4 Prog	ıram Manager Contact i	nformati	ion				
Name:	Jonathan Bede	er	Title:	DPW Dire	ctor			
Street A	ddress Line 1:	Town of Plymouth						
Street A	ddress Line 2:	26 Court Street						
City:	Plymouth			State:	МА	Zip Code:	02360	
Email:	jbeder@town	hall.plymouth.ma.us	Phone	Number: [	508) 830-4162			
Fax Num	ıber:					<del></del>		
Other I	Information							
	-	ent Program (SWMP) Location il location, if already completed):	TEIMMALITE	Engineerin	ng Department			
Eligibil	lity Determi	nation						
Endange	ered Species Ac	ct (ESA) Determination Compl	ete? Yes			Eligibility Criteria check all that app		⊠в □С
National	Historic Preser	rvation Act (NHPA) Determina	tion Compl	lete? Yes	E	Eligibility Criteria check all that app		В 🔲 С
<b>⊘</b> Ch	eck the box if y	our municipality or organizat	ion was co	vered under	r the 2003 MS4	General Permit		
MS4 Int	frastructure	(if covered under the 2003 permit)				<del>.</del>		
		Outfall Map Complete? rt B.3.(a.) of 2003 permit)	%			nents not met, en etion (MM/DD/Y)		
f outfall ma or paper cop	ap is unavailable on py of the outfall map	4 map is published: the Internet an electronic p must be included with or submission options)	jis.townhal	I.plymouth.	.ma.us/watersh	ned.html		
Regulat	tory Author	ities (if covered under the 2003 pe	ermit)					
		tion and Elimination (IDDE) . t B.3.(b.) of 2003 permit)	Authority i	Adopted?		Effective Date or E Date of Adoption		: 05/30/19
		and Sediment Control (ESC) B.4.(a.) of 2003 permit)	Authority	Adopted?	I T AC	Effective Date or E Date of Adoption		03/01/09
		rmwater Management Adop t 8.5.(a.) of 2003 permit)	oted?		1462	ffective Date or E Date of Adoption		03/01/09

### 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.

	-		_	_	_	-				_							200
Other pollutant(s) causing impairments	Non-Native aquatics: Smelt Pond			Non-Native Aquatics: Brigs Resevior, Long Island Pond,		Ellisville Harbor: Fecal Coliform											
Enterococcus																	
Solids/ TSS/ Turbidity E. coli																	
Phosphorus																	
Oil & Grease/ PAH																	
Nitrogen																	
Dissolved Oxygen/ DO Saturation																	
Chlorophyll-a																	
Chloride																믜	
Number of outfalls into receiving water segment	258	19	145	112	66	50	124	9	18	142	53	13	149	18			
Waterbody segment that receives flow from the MS4	South Coastal 21063	South Coastal 21067	South Coastal 21075	South Coastal 21079	South Coastal 21081	South Coastal 21083	South Coastal 21085	South Coastal 21087	Buzzards Bay 24001	Buzzards Bay 24004	Buzzards Bay 24006	Buzzards Bay 24007	Buzzards Bay 24012	Taunton 25048			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.

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 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

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
Brochures/Pamphlets	Mail flyer with bill.	Residents	DMEA / Town Engineer / Citizen Stormwater Committe	Survey Monkey (2018 / 2022) to measure effectiviness of messaging.	2019
Web Page	Brochures	Businesses, Institutions and Commercial Facilities	DMEA /DPW / Citizen Stormwater Committee / IT Division	Track Down Loads	2021
Brochures/Pamphlets	Email Fact Sheet	Developers (construction)	Building Dept / Conservation Commission / DPW	Survey Monkey	2019
Brochures/Pamphlets	Email Fact Sheet	Industrial Facilities	Planning and Development	- 1	2018
Brochures/Pamphlets	Billing Insert	Residents	DMEA / Town Clerk	=	2022
Local Public Service Announcements	Cable Access TV	Businesses, Institutions and Commercial Facilities	DMEA / Cable Advisory Committee	=	2023
Brochures/Pamphlets	Email Fact Sheet	Developers (construction)	Building Dept / Conservation Commission / DPW	38	2022
Brochures/Pamphlets	Email Fact Sheet	Industrial Facilities	Building Dept / Conservation Commission / DPW	*	2022
Brochures/Pamphlets	Grass/Fertilizer F/H	Residents / Business / Institutions	Town Engineer /DMEA		2019
Brochures/Pamphiets	Grass/Fertilizer F/H	Residents / Business / Institutions	Town Engineer /DMEA	=	2023
Brochures/Pamphlets	Pet Waste F/H	Residents	Town Engineer / DMEA	( <b>#</b> .)	2018

Plymouth				D. 20 4 of 10
Brochures/Pamphlets	Pet Wast F/H	Residents	Town Engineer /DMEA	2023
Brochures/Pamphlets	Leaf Litter F/H	Residents / Business / Institutions	Town Engineer /DMEA	2018
Brochures/Pamphlets	Leaf Litter F/H	Residents / Business / Institutions	Town Engineer /DMEA	2023
Brochures/Pamphlets	Pet Waste Guide F/H	Residents	Town Engineer /Town Clerk	2019
Brochures/Pamphlets	Pet Waste Guide F/H	Residents	Town Engineer /Town Clerk	2023
Brochures/Pamphlets	Septic System F/H	Septic System Owners	Town Engineer /DMEA	2019
Brochures/Pamphlets	Septic System F/H	Septic System Owners	Town Engineer /DMEA	2023

### 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	<b>Brief BMP Description</b> (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	Town Engineer / IT Division	Allow annual review of stormwater management plan and posting of stormwater management plan on website	2019
Public Participation	Stormwater Committee/Task Force	Board of Selectmen	Allow public to comment on stormwater management plan annually	2018

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## 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)

<b>BMP Categorization</b> (enter your own text to override the drop down menu)	BMP Description	Responsible Department/Parties (enter your own text to override the drop down menu)	Measurable Goal (all text can be overwritten)	Beginning Year of BMP Imple- mentation
SSO inventory	Develop SSO inventory in accordance of permit conditions	МФО	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	Town Engineeer	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	Complete 10 years after effective date of permit	2018
Employee training	Train employees on IDDE implementation	DPW	Train annually	2018
Conduct dry weather screening	Conduct in accordance with outfall screening procedure and permit conditions	DPW / DMEA / Town Engineer	Complete 3 years after effective date of permit	2020
Conduct weather screening	Conduct in accordance with outfall screening procedure	DFW / DMEA / Town Engineer	Complete 10 years after effective date of permit	2023
Ongoing screening	Conduct dry weather and wet weather screening (as necessary)	DPW / DMEA / Town Engineer	Complete ongoing outfall screening upon completion of IDDE program	2023

Plymouth		Page 8 of 18

### 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

<b>BMP Categorization</b> (enter your own text to override the drop down menu or entered text)	BMP Description	Responsible Department/Parties (enter your own text to override the drop down menu)	Measurable Goal (all text can be overwritten)	Beginning Year of BMP Imple- mentation
Site inspection and enforcement of Erosion and Sediment Control (ESC) measures	Complete procedure inspection enforceme	Planning and Development / Building Dept / CC	Complete within 1 year of the effective date of permit	2018
Site plan review	Complete written procedures of site plan review and begin implementation	Planning and Development / Building Dept / CC	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	Planning and Development / Building Dept / CC	Complete within 1 year of the effective date of permit	2019
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	Planning and Development / Building Dept / CC	Complete within 1 year of the effective date of permit	2019

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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)
The procedures to require submission of asbuilt drawings and ensure long term operation and maintenance will be a part of the SWMP
Identify at least 5 permittee-owned properties that could be modified or retrofitted with BMPs to reduce impervious areas and update annually
Develop a report assessing existing local regulations to determine the feasibility of making green infrastructure practices allowable when appropriate site conditions exist
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.

Page 12 of 18 2022 2017 2023 Complete 2 years after effective date of permit DPW / DMEA / Planning and Development /Conservation DPW / DMEA / Planning and Development /Conservation regulatory mechanism to | Planning/zoning Department Adoption, amendment, practices for new development and redevelopment meet or modification of a Update Annually meet permit requirements Install BMP the retention or treatment requirements of the permit and all applicable requirements of the Massachusetts Ensure any stormwater controls or management Inventory of Town owned properties for BMP retrofit Stormwater Handbook Nitrogen BMP Plymouth

## 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

<b>BMP Categorization</b> (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 / Schools / DMEA / Police /Fire / Parks	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	Town Departments	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	DPW / Schools / DMEA / Police /Fire / Parks	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	DPW / Town Engineer	Complete and implement 2 years after effective date of permit	2020
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 and volume of material moved annually	2019
Street sweeping program	Sweep all streets and permitee-owned parking lots in accordance with permit conditions	DPW	Sweep all streets and permitee-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	2019

Page 14 of 18 2020 2022 Inspect and maintain treatment structures at least annually Delineate catchments & opportunities for BMP retrofits DPW / DMEA / Town Engineer /BOH DPW Delineate catchments & opportunities for BMP retrofits maintenance procedures and frequencies Establish and implement inspection and Inspections and maintenance of stormwater treatment structures Phosphorus Source Identification Report: Appendix H Plymouth

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)
Buzzards Bay (Bactria/Pathogen)	Adhere to requirements in part B.III of Appendix F	DMEA / DPW / Planning and Development / Town Engineer
South Coastal Watershed (Bactria/Pathogen)	Adhere to requirements in part B.III of Appendix F	DMEA / DPW / Planning and Development / Town Engineer
White Island Pond (Phosphorus)	Adhere to requirements in part B.III of Appendix F	DMEA / DPW / Planning and Development / Town Engineer

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	<b>Kesponsible Department/Parties</b> (enter your own text to override the drop down menu)
Phosphorus	MA95166, MA95173	Adhere to requirements in part II of Appendix H	DMEA / DPW / Planning and Development / Town Engineer
Nitrogen	MA94-16	Adhere to requirements in part I of Appendix H	DMEA / DPW / Planning and Development / Town Engineer
Turbidity	MA94007	Adhere to requirements in part V of Appendix H	DMEA / DPW / Planning and Development / Town Engineer
E. Coli	MA94-15, MA94-34, MA94-16	Adhere to requirements in part III of Appendix H	DMEA / DPW / Planning and Development / Town Engineer

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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.

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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:	Melissa Arrighi	Title:	Town Manager
Signature:	To be signed Accopying to Appendix of Subparagraph B.11, Standard Conditions	Date:	9/17/19

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



### United States Department of the Interior

### FISH AND WILDLIFE SERVICE

New England Field Office 70 Commercial St, Suite 300 Concord, NH 03301-5087 http://www.fws.gov/newengland

September 24, 2018

U.S. FISH & WILDLIFI SERVICE

### 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**, 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

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).

# 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)
Buzzards Bay (Bactria/Pathogen)	Adhere to requirements in part A.III of Appendix F	DMEA / DPW / Planning and Development / Town Engineer
South Coastal Watershed (Bactria/Pathogen)	Adhere to requirements in part A.III of Appendix F	DMEA / DPW / Planning and Development / Town Engineer
	Adhere to requirements in part B.III of Appendix F	

# 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.

Other pollutant(s) causing impairments	Non-Native aquatics: Smelt Pond	Ellisville Harbor: Fecal Coliform		Non- Native Aquatics: Brigs Resevior, Long Island Pond,															
nterococcus																			
iloo.	+=		Ш	Ш	Ш	Ш	Ш	Ш	Ш	Ш	Ľ	Ш	Ц	Ц	Ц	Ш	L	Ц	
olids/ TSS/ urbidity																			
hosphorus	d 🗀																		
Mitrogen HA9 \essey PAH																			
\negvxO bevlossi																			
hlorophyll-a																			
hloride																			
Number of outfalls into receiving water segment	247	174	145	112	18	34	124	75	18	142	53	13	149						
Waterbody segment that receives flow from the MS4	Plymouth Harbor and Tributaries	Cape Cod Bay and Tributaries	Eel River and Tributaries	Beaver Dam Brook and Tributaries	Taunton River and Tributaries	Town Brook and Tributaties	Great Herring Pond and its Tributaries	Billington Sea and its Tributaries	Buttermilk Bay	Red Brook and Tributaries	Halfway Pond and Tributaries	Besse Bog Resiviour and Tributaries	South Meadow Brook and Tributaries						

Click to lengthen table