#### Part I: General Conditions **General Information** State: MA Name of Municipality or Organization: Town of Braintree EPA NPDES Permit Number (if applicable): MAR041029 Primary MS4 Program Manager Contact Information James Arsenault Title: Director, Department of Public Works Name: Street Address Line 1: 85 Quincy Avenue Street Address Line 2: City: Braintree State: MA Zip Code: 02184 (781) 794-8254 Email: jarsenault@braintreema.gov Phone Number: Fax Number: (781) 356-6803 Other Information Stormwater Management Program (SWMP) Location Not completed (web address or physical location, if already completed): **Eligibility Determination** Eligibility Criteria Endangered Species Act (ESA) Determination Complete? Yes $\square$ A $\square$ B $\square$ C (check all that apply): Eligibility Criteria National Historic Preservation Act (NHPA) Determination Complete? Yes $\square$ A $\square$ B $\square$ C (check all that apply): **7** 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?** If 100% of 2003 requirements not met, enter an 100% (Part II, III, IV or V, Subpart B.3.(a.) of 2003 permit) estimated date of completion (MM/DD/YY): Web address where MS4 map is published: www.mapsonline/braintreema/index.HTML 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? **Effective Date or Estimated** Yes 05/29/18 (Part II, III, IV or V, Subpart B.3.(b.) of 2003 permit) Date of Adoption (MM/DD/YY): Construction/Erosion and Sediment Control (ESC) Authority Adopted? Effective Date or Estimated 01/04/04 Yes (Part II,III,IV or V, Subpart B.4.(a.) of 2003 permit) Date of Adoption (MM/DD/YY): **Post- Construction Stormwater Management Adopted? Effective Date or Estimated** Yes 01/04/04

Date of Adoption (MM/DD/YY):

(Part II, III, IV or V, Subpart B.5.(a.) of 2003 permit)

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

#### Part II: Summary of Receiving Waters

Please list the waterbodies to which your MS4 discharges. For each waterbody, please report the number of outfalls discharging into it and, if applicable, the segment ID and 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

Waterbody that receives flow from the MS4 and segment ID if applicable	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
Wetlands tributary to Cranberry Brook	2										
Cranberry Brook outlet to Cochato River (MA 74-22)	10								$\boxtimes$		
Cedar Swamp	8										
Cochato River (MA 74-06)	2			$\boxtimes$					$\boxtimes$		DDT and Chlordane in fish, Fecal Coliform
Farm River (MA 74-07)	11								$\boxtimes$		
Wetland tributary to Farm River near confluence with Cochato River	1										
Wetland tributary to Farm River off Rex Drive	1										
Sunset Lake	15										
Unnamed stream from Sunset Lake to Monatiquot River	1										
Wetland tributary to Sunset Lake	4										
Monatiquot River (MA 74-08)	37								$\boxtimes$		Fecal Coliform. aquatic macroinvertebrate bioassessments, flow regime alteration, physical substrate habitat alterations
Weymouth Fore River (MA74-14)	6									$\boxtimes$	Fecal Coliform, PCB in Fish Tissue, other-contaminants in fish and shellfish.
Smelt Brook	7										
Old Quincy Reservoir	4										
Wetland NW of Old Quincy Reservoir	6										
Wetland SW of Old Quincy Reservoir	2										
Town Brook (MA74-09)	10								$\boxtimes$		Fecal coliform, quatic macroinvertebrate bioassessments, flow regime alteration, physical substrate habitat alterations
Wetland (Arnold Meadow) tributary to Monatiquit River	12										

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Waterbody that receives flow from the MS4 and segment ID if applicable	Number of outfalls into receiving water segment	Chloride	Chlorophyll-a	Dissolved Oxygen/ DO Saturation	Nitrogen	Oil & Grease/PAH	Phosphorus	Solids/TSS/	i di bidity	E. coli	Enterococcus	Other pollutant(s) causing impairments

Click to lengthen table

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#### 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 Imple- mentation
Brochures/Pamphlets	Stormwater Pollution Prevention Guide	Residents	Engineering	Brochure Distributed	2018
Brochures/Pamphlets	Stormwater Management	Businesses, Institutions and Commercial Facilities	Stormwater Division	Brochure Distributed	2020
Brochures/Pamphlets	What Developers can do to reduce stormwater run-off	Developers (construction)	Stormwater Division	Brochure Distributed	2019
Brochures/Pamphlets	Stormwater Pollution Prevention Guide	Industrial Facilities	Stormwater Division	Brochure Distributed	2020
Brochures/Pamphlets	Managing Pet Waste	Residents	Stormwater Division	Brochure Distributed	2018
Brochures/Pamphlets	Pollution Prevention	Businesses, Institutions and Commercial Facilities	Stormwater Division	Brochure Distributed	2022
Brochures/Pamphlets	Low Impact construction Guide	Developers (construction)	Stormwater Division	Brochure Distributed	2021
Brochures/Pamphlets		Industrial Facilities	Stormwater Division	Brochure Distributed	2022
Newspaper Articles/Press Releases	Background, new utility fee program and new local permit program	General Public	DPW Operations	Press release prepared and distributed to local newspaper	2018
Brochures/Pamphlets	Managing Pet Waste	Residents	Stormwater Division	Brochure Distributed	2019
Brochures/Pamphlets	Managing Pet Waste	Residents	Stormwater Division	Brochure Distributed	2020

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Brochures/Pamphlets	Managing Pet Waste	Residents	Stormwater Division	Brochure Distributed	2020
Brochures/Pamphlets	Managing Pet Waste	Residents	Stormwater Division	Brochure Distributed	2021
School Curricula/Programs	Rain Garden and outdoor classroom to be part of new East Middle School	Students	Stormwater Division	Project Completed	2021
Partner with Local Organizations	Work with the Fore River Watershed Assn., Sustainable Braintree, East Braintree Civic Assoc and Thayer Academy on environmental issues	General Public	Planning Department	Continue working with partners	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	Stormwater Division	Allow annual review of stormwater management plan and posting of stormwater management plan on website	2018
Public Participation	Household haz. waste/used oil collection	DPW Operations	Annual Collections	2019
Public Review	Review Annual reports	Stormwater Division	Post Annual Reports on website	2019
Public Participation	Public Meeting - Stormwater	DPW Operations	Annually prepare agenda items for discussion at one or more Town Council meetings.	2018
Public Participation	Cleanups - Shoreline/Waterbody	Planning Department	Annual cleanups occur.	2018
Public Participation	Coordination with Town Departments on stormwater issues	DPW Operations	Regular coordination meetings held.	2018

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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	Engineering	Update map within 2 years of effective date of permit and complete full system map 10 years after effective date of permit	2020
Written IDDE program	Create written IDDE program	External Contractor	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	Stormwater Division	Complete 10 years after effective date of permit	2019
Employee training	Train employees on IDDE implementation	Stormwater Division/external contractor	Train annually	2018
Conduct dry weather screening	Conduct in accordance with outfall screening procedure and permit conditions	External Contractor	Complete 3 years after effective date of permit	2017
Conduct wet weather screening	Conduct in accordance with outfall screening procedure	Stormwater Division/External Contractor	Complete 10 years after effective date of permit	2019
Ongoing screening	Conduct dry weather and wet weather screening (as necessary)	Stormwater Division	Complete ongoing outfall screening upon completion of IDDE program	2019

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Part III: Stormwater Management Program Summary (continued)

MCM 4: Construction Site Stormwater Runoff Control

BMP Categorization (enter your own text to override the drop down menu or entered text)	BMP Description	Responsible Department/Parties (enter your own text to override the drop down menu)	Measurable Goal (all text can be overwritten)	Beginning Year of BMP Imple- mentation
Site inspection and enforcement of Erosion and Sediment Control (ESC) measures	Complete written procedures of site inspections and enforcement procedures	Stormwater Division	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 Department/DPW	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 Department/DPW	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 Operations	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)	Measurable Goal (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	Stormwater Division	Require submission of as-built plans for completed projects	2019
Target properties to reduce impervious areas	Identify at least 5 permittee-owned properties that could be modified or retrofitted with BMPs to reduce impervious areas and update annually	Stormwater Division/Engineeering	Complete 4 years after effective date of permit and report annually on retrofitted properties	2019
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 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.	Planning Department/Engineering	Complete 4 years after effective date of permit and implement recommendations of report	2020

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Ensure any stormwater controls 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 Handbook	Adoption, amendment, or modification of a regulatory mechanism to meet permit requirements	Stormwater Division	Complete 2 years after effective date of permit	2019

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	Stormwater Division	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 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	Stormwater Division	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	Stormwater Division	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	Stormwater Division	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

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Establish and implement

Inspections and maintenance of stormwater treatment structures	Establish and implement inspection and maitenance procedures and frequencies	Stormwater Division	Inspect and maintain treatment structures at least annually	2019

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)

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)
E. Coli	Cranberry Brook (MA 74-22)	Adhere to requirements in part III of Appendix H	Stormwater Division
E. Coli	Cochato River (MA 74-06)	Adhere to requirements in part III of Appendix H	Stormwater Division
E. Coli	Farm River (MA 74-07)	Adhere to requirements in part III of Appendix H	Stormwater Division
E. Coli	Monatiquit (MA 74-08)	Adhere to requirements in part III of Appendix H	Stormwater Division
Enteroccus	Weymouth Fore River (MA 74-14)	Adhere to requirements in part III of Appendix H	Stormwater Division
E. Coli	Town Brook (MA 74-09)	Adhere to requirements in part III of Appendix H	Stormwater Division
Fecal Coliform	Cochato River (MA 74-06)	Adhere to requirements in part III of Appendix H	Stormwater Division
Fecal Coliform	Monatiquit (MA 74-08)	Adhere to requirements in part III of Appendix H	Stormwater Division
Fecal Coliform	Weymouth Fore River (MA 74-14)	Adhere to requirements in part III of Appendix H	Stormwater Division
Fecal Coliform	Town Brook (MA 74-09)	Adhere to requirements in part III of Appendix H	Stormwater Division

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.

ESA documentation for meeting Criterion A using the IPaC method is attached.			
On May 29, 2018 the Town enacted a Stormwater Management Ordinance authorizing the Department of Public Works take actions necessary to comply with the MS4 permit. The DPW is currently preparing the regulations necessary to carry out this responsibility.			
On May 29, 2018 the Town enacted a Stormwater Enterprise Fee Ordinance and has issued the first quarterly bills. The Town is currently seeking to hire 3 new positions for its Stormwater Division.			

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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:	James Arsenault	Title:	Director, Department of Public Works
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

#### **NOI Submission**

Please submit the form electronically via email using the "Submit by Email" button below or send in a CD with your completed NOI. You may also print and submit via mail using the address below if you choose not to submit electronically. The outfall map required in Part I of the NOI (if applicable) can be submitted electronically as an email attachment OR as a paper copy.

Permittees that choose to submit their NOI electronically by email or by mailing a CD with the completed NOI form to EPA, will be able to download a partially filled Year 1 Annual Report at a later date from EPA. (40 CFR 122.22)

Submit by Email

Submit by email using this button. Or, send an email with attachments to: <a href="mailto:stormwater.reports@epa.gov">stormwater.reports@epa.gov</a>

Save

Save NOI for your records

#### **EPA Submittal Address:**

United States Environmental Protection Agency
5 Post Office Square - Suite 100
Mail Code - OEP06-1
Boston, Massachusetts 02109-3912
ATTN: Newton Tedder

#### **State Submittal Address:**

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