Part I: General Conditions **General Information** Name of Municipality or Organization: |City of Portsmouth State: NH EPA NPDES Permit Number (if applicable): NHR041027 **Primary MS4 Program Manager Contact Information** Name: Peter Rice Title: Public Works Director Street Address Line 1: | 680 Peverly Hill Road Street Address Line 2: City: Portsmouth State: NH Zip Code: 103801 Email: phrice@cityofportsmouth.com Phone Number: (603) 427-1530 Fax Number: Other Information Stormwater Management Program (SWMP) Location DPW Operations Office; 680 Peverly Hill Road, Portsmouth, NH (web address or physical location, if already completed): **Eligibility Determination** Eligibility Criteria Endangered Species Act (ESA) Determination Complete? Yes $\square A \sqcap B \sqcap C$ (check all that apply): Eligibility Criteria National Historic Preservation Act (NHPA) Determination Complete? | Yes □A□B⊠C□D (check all that apply): 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: https://portsmouthnh.maps.arcgis.com/apps/webappviewer/index.html? If outfall map is unavailable on the internet an electronic id=6d014b3f49254a6e9c35f00a360f3e20 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 (Part II, III, IV or V, Subpart B.3.(b.) of 2003 permit) 10/15/07 Date of Adoption (MM/DD/YY): Construction/Erosion and Sediment Control (ESC) Authority Adopted? Effective Date or Estimated Yes 10/15/07 (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 (Part II, III, IV or V, Subpart B.5.(a.) of 2003 permit) 10/15/07 Date of Adoption (MM/DD/YY):

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.

New Hampshire list of impaired waters: http://des.nh.gov/organization/divisions/water/wmb/swqa/

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
Upper Sagamore Creek (NHEST600031001-03)	34										Acenaphthylene, Aluminum, Arsenic, Benzo(a)pyrene (PAHs), Benzo(a)anthracene, Cadmium, Chrysene (C1-C4), Copper, Dibenz(a,h)anthracene, Estuarine Bioassessments, Fluoranthene, Lead, Mercury, Nickel, Phenanthrene, Pyrene, Trans-Nonachlor, PCBs, Dioxin
Lower Sagamore Creek (NHEST600031001-04)	5										Estuarine Bloassessments, PCBs, Dioxin
Lower Piscataqua River - South (NHEST600031001-02-02)	30									X	Estuarine Bioassessments, PCBs, Dioxin
Back Channel (NHEST600031001-05)	7										Estuarine Bloassessments, Light attenuation coefficient, PCBs, Dioxin
South Mill Pond (NHEST600031001-09)	13									Ø	PCBs, Dioxin
North Mill Pond (NHEST600031001-10)	41									Ø	PCBs, Dioxin
Unnamed Pond (NHLAK600031001-01)	2										
Unnamed Brook - To Piscataqua River (NHRIV600031001-02)	10										
Unnamed Brook - Sagamore Creek Dam (NHIMP600031001-01)	5										Aluminum, Iron
Sagamore Creek (NHRIV600031001-03)	3	X							X		рН
Lower Hodgson Brook (NHRIV600031001-04)	11	X		×					×		Benthic-Macroinvertebrate Bloassessments (Streams), pH
Upper Hodgson Brook (NHRIV600031001-05)	1	X		X					X		Benthic-Macroinvertebrate Bloassessments (Streams), pH, Manganese
Borthwick Ave. Tributary (NHRIV600031001-09)	7	X		\boxtimes					\boxtimes		Iron, pH
Unnamed Brook to Back Channel (NHRIV600031001-21)	1										
Unnamed Brook to Back Channel (NHRIV600031001-24)	2										
Berrys Brook (NHRIV600031002-01)	11			\boxtimes					図		pH
Witch Creek (NHRIV600031002-11)	2										

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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/ Turbidity	E. coli	Enterococcus	Other pollutant(s) causing impairments
Haines Brook - Unnamed Brook (NHRIV600030901-04)	4										
Pickering Brook (NHRIV600030904-06)	14	\boxtimes		X					\boxtimes		Copper, Iron, pH
Unnamed Brook - to Unnamed Marsh (NHRIV600030904-07)	2										

Click to lengthen table

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 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, CCTV, and Radio	Post educational materials on web site re fertilizer usage & pet waste cleanup	Residents	DPW Operations	>1,000 web visits/ viewings per year	2018
School Curricula/Programs	Information sessions regarding sustainability, pollution prevention, and BMP site visits	Residents	DPW Operations	1-2 sessions/year	2021
Displays/Posters/Kiosks	Pet waste sign and bag stations at City Parks	Residents	DPW Operations/ Parks and Recreation	Update sign message every 2 years	2020
Brochures/Pamphlets	Annual Stormwater Brochure	Residents	DPW Operations	Update newsletter annually	2019
Brochures/Pamphlets	Brochure on waste disposal, street sweeping, lawn maintenance, and irrigation	Businesses, Institutions and Commerc	DPW Operations	Update/distribute brochure every 2 years	2020
Videos	Information video on lawn maintenance, snow removal deicing, and other stormwater related topics	Businesses, Institutions and Commercial Facilities	DPW Operations/ Seacoast Stormwater Coalition	Update video every other year	2022
Brochures/Pamphlets	Fact Sheet/ checklist on Site plan review & SW mgt regulations	Developers (construction)	DPW Operations/ Planning Department	Provide checklist for applicants/ Tech Adv Comm mtgs	2019

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Page 5 of 20 Fact Sheet on Erosion Review of all new Developers (construction) Brochures/Pamphlets Control Inspections/ DPW Operations/ Planning Department 2022 CGP SWPPPs Construction SWPPP Lawn maintenance / New fact sheet every Industrial Facilities Brochures/Pamphlets DPW Operations/ Planning Department 2021 water use efficiency other year fact sheet Waste disposal/ New fact sheet every Brochures/Pamphlets pretreatment fact Industrial Facilities DPW Operations/ Planning Department 2023 other year sheet

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 / City Hall	Gain input regarding stormwater management priorities measure amount of input	2019
Public Participation	Hotline/webline - reporting problems/violations	DPW / City Hall	Receive input from community and compare education and outreach with adjacent towns. Track # of meetings / input	2019
Public Participation	Catch Basin Stenciling/Markers	DPW Operations	# of stencils	2019
Public Participation	Cleanups - Roadside/General	DPW Operations	# of participants / amount of litter collected	ongoing
Public Participation	Household haz. waste/used oil collection	DPW Operations	Amount of waste collected	2/yr

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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)	Measurable Goal (all text can be overwritten)
SSO inventory	Develop SSO inventory in accordance of permit conditions	DPW Operations	Complete within 1 year of effective date of permit
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
Written IDDE program development	Create written IDDE program	DPW Operations	Complete within 1 year of the effective date of permit and update as required
Implement IDDE program	Implement catchment investigations according to program and permit conditions	DPW Operations	Complete 10 years after effective date of permit
Employee training	Train employees on IDDE implementation	DPW Operations	Train annually
Conduct dry weather screening	Conduct in accordance with outfall screening procedure and permit conditions	DPW Operations	Complete 3 years after effective date of permit
Conduct wet weather screening	Conduct in accordance with outfall screening procedure	DPW Operations	Complete 10 years after effective date of permit
Ongoing screening	Conduct dry weather and wet weather screening (as necessary)	DPW Operations	Complete ongoing outfall screening on completion of IDDE program

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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)
Site inspection and enforcement of Erosion and Sediment Control (ESC) measures	Complete written procedures of site inspections and enforcement procedures	Planning/Zoning Department/City Engineer	Complete within 1 year of the effective date of permit
Site plan review	Complete written procedures of site plan review and begin implementation	Planning/Zoning Department	Complete within 1 year of the effective date of permit
Erosion and sediment control	Adoption of requirements for construction operators to implement a sediment and erosion control program	Planning/Zoning Department/City Engineer	Complete within 1 year of the effective date of permit
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/zoning Department/City Engineer	Complete within 1 year of the effective date of permit
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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)
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	Planning/zoning Department	Require submission of as-built plans for completed projects
Target properties to reduce impervious areas	Complete an inventory and priority ranking of permitee-owned property and existing infrastructure that could be retrofitted with BMPs designed to reduce the frequency, volume and pollutant loads of stormwater discharges to its MS4 through the mitigation of impervious area	Engineering /DPW Operations	Complete 4 years after effective date of permit and report annually on retrofitted properties
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	Engineering / DPW operations	Complete 4 years after effective date of permit and implement recomendations of report
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.	Engineering / DPW Operations	Complete 4 years after effective date of permit and implement recommendations of report

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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 consistent with the Southeast Watershed Alliance's Model Stormwater Standards for Coastal Watershed Communities; or contain provisions that are at least as stringent as described in Section 2.3.6 of the Permit.	Adoption, amendment, or modification of a regulatory mechanism to meet permit requirements	Planning/Zoning Department/DPW Operations	Complete 2 years after effective date of permit

Part III: Stormwater Management Program Summary (continued)

MCM 6: Municipal Good Housekeeping and Poliution 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 2.3.7.1 for parks and open spaces, buildings and facilities, and vehicles and equipment	Parks/Recreation /DPW Operations /City Engineer	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	Parks/Recreation/DPW Operations	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	City Engineer/ DPW Operations	Complete 2 years after effective date of permit	ongoing
Stormwater Pollution Prevention Plan (SWPPP)	Create SWPPPs for maintenance garages, transfer stations, and other waste-handling facilities	City Engineer/ DPW Operations	Complete 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 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
	Establish and implement a program to minimize the use of road salt	DPW Operations	Implement salt use optimization during deicing season	2019

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| Inspections and maintenance of stormwater treatment structures and frequencies | City Engineer/DPW Operations | City Engineer/DPW Ope

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**. If submitting a NHDES approved alternative reduction plan, attach and submit it with the NOI.

Applicable TMDL	Action Description	Responsible Department/Parties (enter your own text to override the drop down menu)
Upper Sagamore Creek (NHEST600031001-03) (E. coli, Enterococcus)	Adhere to requirements in Part II.1 of Appendix F	DPW Operations / External Contractor
Lower Piscataqua River - South (NHEST600031001-02-02) (Enterococcu	Adhere to requirements in Part II.1 of Appendix F	DPW Operations / External Contractor
Lower Sagamore Creek (NHEST600031001-04) (Enterococcus)	Adhere to requirements in Part II.1 of Appendix F	DPW Operations / External Contractor
South Mill Pond (NHEST600031001-09) (Enterococcus)	Adhere to requirements in Part II.1 of Appendix F	DPW Operations / External Contractor
North Mill Pond (NHEST600031001-10) (Enterococcus)	Adhere to requirements in Part II.1 of Appendix F	DPW Operations / External Contractor
Pickering Brook (NHRIV600030904-06) (E. coli)	Adhere to requirements in Part II.1 of Appendix F	DPW Operations / External Contractor
Sagamore Creek (NHRIV600031001-03) (E. coli)	Adhere to requirements in Part II.1 of Appendix F	DPW Operations / External Contractor
Lower Hodgson Brook (NHRIV600031001-04) (E. coli)	Adhere to requirements in Part II.1 of Appendix F	DPW Operations / External Contractor
Upper Hodgson Brook (NHRIV600031001-05) (E. coli)	Adhere to requirements in Part II.1 of Appendix F	DPW Operations / External Contractor
Borthwick Ave. Tributary (NHRIV600031001-09) (E. coli)	Adhere to requirements in Part II.1 of Appendix F	DPW Operations / External Contractor
Berrys Brook (NHRIV600031002-01) (E. Coli)	Adhere to requirements in Part II.1 of Appendix F	DPW Operations / External Contractor

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. In addition, if you are subject to additional requirements due to a downstream nutrient impairment (see Part 2.2.2 of the permit) select the pollutant of concern and indicate applicable waterbody IDs or write "all waterbodies" if applicable. 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)
iron	Pickering Brook (NHRIV600030904-06) Borthwick Ave. Tributary (NHRIV600031001-09)	Adhere to requirements in part V of Appendix H	DPW Operations / External Contractor
Chloride	Pickering Brook (NHRIV600030904-06) Sagamore Creek (NHRIV600031001-03) Lower Hodgson Brook (NHRIV600031001-04) Upper Hodgson Brook (NHRIV600031001-05) Borthwick Ave. Tributary (NHRIV600031001-09)	Adhere to requirements in part IV of Appendix H	DPW Operations / External Contractor
Aluminum	Upper Sagamore Creek (NHEST600031001-03)	Adhere to requirements in part V of Appendix H	DPW Operations / External Contractor
Lead	Upper Sagamore Creek (NHEST600031001-03)	Adhere to requirements in part V of Appendix H	DPW Operations / External Contractor
Cadmium	Upper Sagamore Creek (NHEST600031001-03)	Adhere to requirements in part V of Appendix H	DPW Operations / External Contractor
Copper	Upper Sagamore Creek (NHEST600031001-03) Pickering Brook (NHRIV600030904-06)	Adhere to requirements in part V of Appendix H	DPW Operations / External Contractor
Hydrocarbons (PAHs)	Upper Sagamore Creek (NHEST600031001-03)	Adhere to requirements in part V of Appendix H	DPW Operations / External Contractor

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Part IV: Notes and additional information

Use the space below to indicate the part(s) of 2.2.2 that you have identified as not applicable to your MS4 and provide all supporting documentation below or attach additional documents if necessary.

Provide any additional information about your MS4 program below.

This NOI form does not include stormwater outfalls located on and under the jurisdiction of the Pease International Tradeport.
The City has actively participated in the ongoing Seacoast Stormwater Coalition collaborative meetings where various municipal and regional planning commission representatives have discussed and evaluated the 2017 NH MS4 NOI mapping needs and future compliance activities.
The water body list and associated water quality impairments included in this NOI are based on the NHDES 2016 303(d) list.
The City has several well -established and ongoing public education outreach and participation activities that will continue to be used to comply with the 2017 MS4 permit.
By submitting this Notice of Intent to Comply with the Provisions of 2017 New Hampshire Small MS4 Permit pursuant to Section 1.7.2, the City of Portsmouth does not waive any rights it has to object or contest the applicability of any provision or requirement of the Permit, including, but not limited to, any issues raised by any party in the appeal of the Permit before the United States Court of Appeals for the District of Columbia Circuit, Case Number 17-1060.

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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 gathered and evaluated 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, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I have no personal knowledge that the information submitted is other than 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. (40 CFR 122.22)

Name:	John P. Bohenko	Title:	City Manager
Signature:	[To be signed according to Appendix B, Subparagraph B.11, Standard Conditions]	Date:	9-28-18

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