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

Part I: General Conditions

General Information

Name of Municipality or Organization: University of Massachusetts Boston State: MA

EPA NPDES Permit Number (if applicable): NA

Primary MS4 Program Manager Contact Information

Name: Zehra Schneider Graham Title: Deputy Director, OEHS

Street Address Line 1: University of Massachusetts Boston

Street Address Line 2: 100 Morrissey Boulevard

City: Boston State: MA Zip Code: 02125

Email: zehra@umb.edu Phone Number: (617) 287-5445

Fax Number: (617) 287-3855

Other Information

Stormwater Management Program (SWMP) Location (web address or physical location, if already completed): https://www.umb.edu/ehs/environmental/stormwater_info

Eligibility Determination

Endangered Species Act (ESA) Determination Complete? Yes

Eligibility Criteria (check all that apply): ☐ A ☐ B ☒ C

National Historic Preservation Act (NHPA) Determination Complete? Yes

Eligibility Criteria (check all that apply): ☒ A ☐ B ☐ C

☐ Check the box if your municipality or organization was covered under the 2003 MS4 General Permit

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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
Dorchester Bay (MA70-03)	9	☐	☐	☐	☐	☐	☐	☒	☐	☒	fecal coliform, other (contaminants in fish and shellfish), PCB in fish tissue
		☐	☐	☐	☐	☐	☐	☐	☐	☐	
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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**
Think Blue advertising campaign	Advertising campaign targeting MA urban residents	Visitors, students, and staff	Massachusetts Statewide Stormwater Coalition	Views in Boston region	2018
Web Page	Update stormwater management website with links to ThinkBlue Massachusetts	Students and staff	Office of Environmental Health & Safety	Updates completed Website views	2019
Social Media Post	Social media post about stormwater pollution prevention, with link to UMB stormwater website	Visitors, students, and staff	Office of Environmental Health & Safety	Followers Likes, shares, and comments	2019
Social Media Post	Social media post with Think Blue Massachusetts pet waste meme, "Do your doody".	Visitors, students, and staff	Office of Environmental Health & Safety	Followers Likes, shares, and comments	2020
Guidelines	Distribute stormwater fact sheet and specifications to new construction contractors	Contractors	Office of Environmental Health & Safety	Number of contractors reached	2019
Guidelines	Provide Low Impact Development (LID) guidelines to new designers/contractors	Designers/Contractors	Office of Campus Master Planning and Department of Facilities	Number of contractors reached	2021

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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	Office of Environmental Health & Safety	Post stormwater management plan on website	2019
Public Participation	Stormwater hotline (phone number and email address)	Office of Environmental Health & Safety	Track comments received and resolutions	2019
Public Participation	Coastal cleanups	Department of Facilities and Division of Student Affairs	Number of cleanup events sponsored/supported annually	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)	**Measurable Goal** (all text can be overwritten)	**Beginning Year of BMP Imple-mentation**
SSO inventory	Develop SSO inventory in accordance with permit conditions	Office of Environmental Health & Safety and Department of Facilities	Complete within 4 years of permit effective date (June 30, 2022)	2021
Storm sewer system map	Create map and update during IDDE program completion	Office of Environmental Health & Safety and Department of Facilities	Prepare Phase 1 map within 5 years of permit effective date (June 30, 2023) and complete full system map 13 years after permit effective date (June 30, 2031)	2019
Written IDDE program	Create written IDDE program	Office of Environmental Health & Safety	Complete within 4 years of permit effective date (June 30, 2022) and update as required	2020
Implement IDDE program	Implement catchment investigations according to program and permit conditions	Office of Environmental Health & Safety and Department of Facilities	Complete within 13 years of permit effective date (June 30, 2031)	2021
Employee training	Train employees on IDDE implementation	Office of Environmental Health & Safety	Train annually	2019
Conduct dry weather screening	Conduct in accordance with outfall screening procedure and permit conditions	Office of Environmental Health & Safety	Complete within 6 years of permit effective date (June 30 2024)	2021
Conduct wet weather screening	Conduct in accordance with outfall screening procedure	Office of Environmental Health & Safety	Complete within 13 years of permit effective date (June 30, 2031)	2021
Ongoing screening	Conduct dry weather and wet weather screening (as necessary)	Office of Environmental Health & Safety	Complete ongoing outfall screening upon completion of IDDE program	2031

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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**
Construction Site Stormwater Runoff Control policy	Continue to implement Construction Policy requiring erosion and sediment control and construction waste management for campus projects	Office of Environmental Health & Safety and Department of Facilities	Continue to implement	2019
Project design review	Review capital project designs by other public agencies for UMB campus	Office of Environmental Health & Safety and Department of Facilities	Continue to perform internal reviews	2019
Erosion and sediment control and construction waste management for campus projects	Develop Stormwater Pollution Prevention Plans (SWPPPs) for projects meeting > 1 acre land disturbance threshold	Office of Environmental Health & Safety and Department of Facilities	Number of construction starts with SWPPPs	2019
Site inspections	Contractors perform site inspections in accordance with NPDES construction general permit requirements	Office of Environmental Health & Safety and Department of Facilities	Number of construction starts with SWPPPs	2019

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

Part III: Stormwater Management Program Summary (continued)

MCM 5: Post-Construction Stormwater Management in New Development and Redevelopment

BMP Categorization (enter your own text to override the drop down menu or entered text)	**BMP Description**	**Responsible Department/Parties** (enter your own text to override the drop down menu)	**Measurable Goal** (all text can be overwritten)	**Beginning Year of BMP Imple-mentation**
As-built plans for on-site stormwater control	Require contractors to submit as-built plans	Department of Facilities, UMass Building Authority, DCAMM	Require submission of as-built plans for completed projects	2020
Target properties to reduce impervious areas	Identify at least 5 campus sites that could be modified or retrofitted with BMPs to reduce impervious areas	Office of Environmental Health & Safety	Complete within 6 years of permit effective date (June 30, 2024) and report annually on retrofitted properties	2023
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	Adopt design guidelines for post-construction stormwater management to meet permit requirements	Office of Environmental Health & Safety	Complete within 3 years of permit effective date (June 30, 2021)	2020
Street design and parking lot guidelines	Review if UMass Boston design guidelines 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.	Office of Environmental Health & Safety and Office of Campus Master Planning	Complete within 6 years of permit effective date (June 30, 2024) and implement recommendations of report	2023

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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**
Facility 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	Office of Environmental Health & Safety	Complete and implement within 4 years of permit effective date (June 30, 2022)	2020
Inventory campus parks and open spaces, buildings and facilities, and vehicles and equipment	Create inventory	Department of Facilities and Office of Campus Master Planning	Complete within 4 years of permit effective date (June 30, 2022) and implement annually	2020
MS4 Infrastructure O&M	Establish and implement program for operation and maintenance of MS4 infrastructure	Office of Environmental Health & Safety	Complete within 4 years of permit effective date (June 30, 2022)	2020
Stormwater Pollution Prevention Plan (SWPPP)	Create SWPPPs for maintenance garages, transfer stations, and other waste-handling facilities	Office of Environmental Health & Safety	Complete and implement within 4 years of permit effective date (June 30, 2022)	2021
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	Office of Environmental Health & Safety	Clean catch basins on established schedule and report number of catch basins cleaned and volume of material removed annually	2019
Street sweeping program	Sweep campus streets and parking lots in accordance with permit conditions	Department of Facilities	Sweep campus streets and 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	Department of Facilities	Implement salt use optimization during deicing season	2019

Inspections and maintenance of stormwater treatment structures	Establish and implement inspection and maintenance procedures and frequencies	Office of Environmental Health & Safety	Inspect and maintain treatment structures at least annually	2019
Employee Training - General Stormwater Topics	Provide stormwater pollution prevention training as part of annual facilities training event	Office of Environmental Health & Safety	Continue to hold training annually	2019

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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)
NA	Adhere to requirements in part B.II of Appendix F	
NA	Adhere to requirements in part A.II of Appendix F	

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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)
Enteroccus	MA70-03	Adhere to requirements in part III of Appendix H	Office of Environmental Health & Safety
Fecal Coliform	MA70-03	Adhere to requirements in part III of Appendix H	Office of Environmental Health & Safety
TSS	MA70-03	Adhere to requirements in part V of Appendix H	Office of Environmental Health & Safety

Part IV: Notes and additional information

Use the space below to indicate the part(s) of 2.2.1and 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.

Endangered Species Act (ESA) eligibility determination:

UMass Boston has completed the ESA eligibility process outlined in Appendix C of the MS4 Permit. According to the U.S. Fish & Wildlife Service (USFWS) Information for Planning and Consultation (IPaC) tool, UMass Boston Columbia Point campus potentially contains habitat for Northern Long-eared Bat, which is listed as a threatened species.

UMass Boston has determined that the stormwater discharges and discharge related activities will have no effect on any federally threatened or endangered listed species or designated critical habitat under the jurisdiction of the USFWS. If, during the course of the permit term, UMass Boston plans to install a structural BMP not identified in the NOI, UMass Boston will conduct an endangered species screening for the proposed site and will contact the USFWS if UMass Boston determines that the new activity "may affect" or is "not likely to adversely affect" listed species or critical habitat under the jurisdiction of the USFWS.

National Historic Preservation Act (NHPA) eligibility determination:

UMass Boston has completed the NHPA eligibility process outlined in Appendix D. According to the National Register of Historic Places, UMass Boston contains one historic property on its campus: the Calf Pasture Pumping Station Complex at 435 Mount Vernon Street. The nearest stormwater outfall is approximately 650 feet from the Calf Pasture Complex. A visual inspection as part of the IDDE program found that the outfall exhibits minimal erosion and scour and therefore has no impact on the Calf Pasture Pumping Station Complex.

UMass Boston does not plan to undertake any activity involving subsurface land disturbance less than an acre in the vicinity of the historic property. If, during the course of the permit term, UMass Boston plans to undertake subsurface land disturbance less than an acre in the vicinity of the historic property, UMass Boston will assess the potential for the activity to affect the historic property and will consult with the Massachusetts Historical Commission as appropriate.

Satellite Campuses:

In addition to its main Dorchester campus, UMass Boston operates at one satellite campus consisting of a single building at 180 Polpis Road, Nantucket. The facility lies outside of the MS4 regulated area.

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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:	Zehra Schneider Graham	Title:	Deputy Director, OEHS
Signature:	Zehra Schneider Graham	Date:	09/26/18

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

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

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:	Zehra Schneider Graham	Title:	Deputy Director, OEHS
Signature:	Zehra Schneider Graham	Date:	11/2/2018

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

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