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

Part I: General Conditions

General Information

Name of Municipality or Organization: Town of Westborough State: MA

EPA NPDES Permit Number (if applicable): MAR041173

Primary MS4 Program Manager Contact Information

Name: Lisa Allain, PE Title: Assistant Town Engineer

Street Address Line 1: 131 Oak Street

Street Address Line 2:

City: Westborough State: MA Zip Code: 01581

Email: lallain@town.westborough.ma.us Phone Number: (508) 366-3076

Fax Number: (508) 366-3074

Other Information

Stormwater Management Program (SWMP) Location (web address or physical location, if already completed): Westborough Department of Public Works, 131 Oak Street Westborough, MA 01581

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

MS4 Infrastructure (if covered under the 2003 permit)

Estimated Percent of Outfall Map Complete? *(Part II, III, IV or V, Subpart B.3.(a.) of 2003 permit)* 100% If 100% of 2003 requirements not met, enter an estimated date of completion (MM/DD/YY):

Web address where MS4 map is published: paper copy attached

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? *(Part II, III, IV or V, Subpart B.3.(b.) of 2003 permit)* Yes Effective Date or Estimated Date of Adoption (MM/DD/YY): 02/01/08

Construction/Erosion and Sediment Control (ESC) Authority Adopted? *(Part II,III,IV or V, Subpart B.4.(a.) of 2003 permit)* Yes Effective Date or Estimated Date of Adoption (MM/DD/YY): 05/19/08

Post- Construction Stormwater Management Adopted? *(Part II, III, IV or V, Subpart B.5.(a.) of 2003 permit)* Yes Effective Date or Estimated Date of Adoption (MM/DD/YY): 05/19/08

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
Assabet River - upper (MA82B-01)	11	☐	☐	☐	☐	☐	☒	☐	☐	☐	Aquatic Macroinvertebrate Bioassessments, Low flow alterations, fecal coliform
Assabet River - lower (MA82B-02)	6	☐	☐	☒	☐	☐	☒	☐	☐	☐	Aquatic Macroinvertebrate Bioassessments, Nutrient/Eutrophication Biological Indicators, fecal coliform
Assabet River Reservoir - "SUASCO" (MA82004)	10	☐	☐	☒	☐	☐	☐	☒	☐	☐	Eurasian Water Milfoil, Myriophyllum spicatum, excess algal growth, mercury in fish tissue
Hocomonco Pond (MA82060)	3	☐	☐	☐	☐	☐	☐	☐	☐	☐	Polycyclic Aromatic Hydrocarbons (PAHs)
Chauncy Lake (82017)	13	☐	☐	☐	☐	☐	☐	☐	☐	☐	Eurasian Water Milfoil, Myriophyllum spicatum
Rutters Brook (MA82A-29)	24	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Denny Brook (MA82A-27)	8	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Jackstraw Brook (MA82A-28)	23	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Piccadilly Brook (MA82A-30)	16	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Westborough Reservoir - "Sandra Pond" (MA82114)	1	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Sudbury River (MA82A-01)	1	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Crane Swamp	8	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Cedar Swamp (MA82016)	2	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Miscoe Brook (MA51-21)	6	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Unnamed tributary (#1) to Assabet River Reservoir crossing Nourse St between Glen St and Jasper St, west branch	18	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Unnamed tributary (#2) to Assabet River Reservoir crossing Nourse St and West Main St	43	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Unnamed tributary (#3) to Assabet River Reservoir crossing West Main St near Mill Rd	4	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Unnamed tributary (#4) to Hocomonco Pond	3	☐	☐	☐	☐	☐	☐	☐	☐	☐	

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
Unnamed tributary (#5) to Denny Brook begin at High School	27	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Unnamed tributary (#7) to Rutters Brook crossing Milk St and High St Ext	9	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Unnamed tributary (#8) to Westborough Reservoir crossing Upton Rd	2	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Unnamed tributary (#9) to Westborough Reservoir crossing Mass Pike and Bowman St	6	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Unnamed tributary (#10) to Westborough Reservoir crossing Bowman St	1	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Unnamed tributary (#11) to Jackstraw Brook along Primrose Ln	7	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Unnamed tributary (#12) to Jackstraw Brook crossing Ruggles St	6	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Unnamed Tributary (#14) to Assabet River (upper) crossing Sassacus Dr	1	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Unnamed tributary (#15) to Rutters Brook begin at Lyman St Plaza	6	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Unnamed tributary (#16) to Assabet River (upper) crossing Otis St	1	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Unnamed tributary (#17) to Assabet River (upper) crossing Milk St [south of Rt 9]	5	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Unnamed tributary (#18) to Assabet River (lower) crossing Milk St [north of Rt 9]	5	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Unnamed tributary (#19) to Crane Swamp crossing East Main St	19	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Unnamed wetland (#20) between Walker St and East Main St	4	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Unnamed tributary (#21) to Cedar Swamp	28	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Unnamed tributary (#22) to Sudbury River (82A-01)	1	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Unnamed tributary (#23) to Denny Brook crossing Chestnut St	5	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Unnamed tributary (#24) to Rutters Brook crossing West Main St and South St	6	☐	☐	☐	☐	☐	☐	☐	☐	☐	

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
Unnamed tributary (#25) to Jackstraw Brook begin at Olde Coach Rd	4	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Unnamed tributary (#26) to wetlands upstream of Whitehall Reservoir (MA82120)	1	☐	☐	☐	☐	☐	☐	☐	☐	☐	
		☐	☐	☐	☐	☐	☐	☐	☐	☐	
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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**
Web Page	post stormwater information on Town website	Residents	DPW Engineering/ IT Department	Change/add a post once a year	2019
Web Page	create business specific links on website	Businesses, Institutions and Commercial Facilities	DPW Engineering/ IT Department	Add 3 specific industries	2020
Brochures/Pamphlets	flyer distribution attached to stormwater permits issued	Developers (construction)	DPW Engineering/ Buiding Department	one flyer for each stormwater permit issued for one year	2021
Brochures/Pamphlets	flyer distribution mailed to potential high polluter industrial facilities	Industrial Facilities	DPW Engineering/ Conservation Commission Agent	one flyers/letter mailed to 10 of the DEP registered hazardous waste generators	2021
Displays/Posters/Kiosks	Poster display at Spring Town Meeting	Residents	DPW Engineering	one display at spring town meeting	2021
Displays/Posters/Kiosks	Poster/informational sheets posted in the Building Department kiosk area	Businesses, Institutions and Commercial Facilities	Building Permitting and Enforcement / DPW Engineering/ IT Departm	two posters displayed	2022
Web Page	create specific links on website for developers	Developers (construction)	DPW Engineering/ IT Department	Create and maintain one link	2023

Web Page	create specific links on website for industrial facilities in town	Industrial Facilities	DPW Engineering/ IT Department	Create and maintain one link	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	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	Engineering	Allow annual review of stormwater management plan and posting of stormwater management plan on website	2018
Public Participation	SWMP Review	Engineering	Allow public to comment on stormwater management plan annually	2018
Public Participation	Cleanups - Roadside/General	Westborough Community Land Trust/ DPW	Track and document the number of participants	2018
Public Participation	Rain Barrel Program	DPW Operations - Water	Number of barrels sold	2018
Public Participation	Catch Basin Stenciling/Markers	Engineering	number of catch basins stenciled	2018
Public Participation	School student involvement	Engineering / School	number of students involved in the program	2020
Public Participation	Household haz. waste/used oil collection	DPW Operations	Volume collected by qualified vendor	2018

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)

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	Engineering	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	2019
Written IDDE program	Create written IDDE program	Engineering	Complete within 1 year of the effective date of permit and update as required	2018
Catchment Investigations	Implement catchment investigations according to program and permit conditions	Engineering	Complete 10 years after effective date of permit	2020
Employee training	Train employees on IDDE implementation	DPW Operations	Train annually	2019
Conduct dry weather screening	Conduct in accordance with outfall screening procedure and permit conditions	DPW Operations / Engineering	Complete 3 years after effective date of permit	2019
Conduct wet weather screening	Conduct in accordance with outfall screening procedure	DPW Operations / Engineering	Complete 10 years after effective date of permit	2020
Ongoing screening	Conduct dry weather and wet weather screening (as necessary)	DPW Operations / Engineering	Complete ongoing outfall screening upon completion of IDDE program	2029

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

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	Engineering	Complete within 1 year of the effective date of permit	2018
Site plan review	Complete written procedures of site plan review and begin implementation	Engineering	Complete within 1 year of the effective date of permit	2018
Erosion and Sediment Control	Continue to implement bylaw which requires construction operators to implement a sediment and erosion control program	Engineering	Continue to implement during the permit period	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	Engineering	Complete within 1 year of the effective date of permit	2018
Inspector Training	Create on-site inspection procedures and checklist	Engineering	Complete 5 years after effective date of permit and implement / Train staff	2022
Inspection	Perform inspections for each project	Conservation Commission Agent / Engineering	Complete 6 years after effective date of permit	2023

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	The procedures to require submission of as-built drawings and ensure long term operation and maintenance will be a part of the SWMP	Engineering	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	Engineering	Complete 4 years after effective date of permit and report annually on retrofitted properties	2021
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/ Planning Department	Complete 4 years after effective date of permit and implement recommendations of report	2021
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/ Planning Department	Complete 4 years after effective date of permit and implement recommendations of report	2021

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	Review and modify, if necessary, stormwater management bylaw to meet permit requirments	Engineering	Complete 2 years after effective date of permit	2019

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

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	Engineering	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	Engineering	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	Engineering	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	Engineering	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 / Engineering	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 / Engineering	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

Inspections and maintenance of stormwater treatment structures	Establish and implement inspection and maintenance procedures and frequencies	DPW Operations	Inspect and maintain treatment structures at least annually	2023
Rain Barrel Program	Add rain barrels to municipal owned properties where feasible	DPW Operations - water / Engineering	Number of barrels added	2020
Hazardous Waste Collection	Establish a collection site to accept used antifreeze.	DPW	Volume collected by qualified vendor	2018

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)
Assabet River (Phosphorus)	Adhere to requirements in part A.V of Appendix F	Engineering

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)
Fecal Coliform	Assabet River (MA82B-01)	Adhere to requirements in part III of Appendix H	Conservation Commission Agent / Engineering / Health Department
Fecal Coliform	Assabet River (MA82B-02)	Adhere to requirements in part III of Appendix H	Conservation Commission Agent / Engineering / Health Department
Turbidity	Assabet River Reservoir (MA82004)	Adhere to requirements in part V of Appendix H	Conservation Commission Agent / Engineering / Health Department
	deleted	Adhere to requirements in part IV of Appendix H	
	-		

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:

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

Westborough 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 jurisdiction of the USFWS. If, during the course of the permit term, Westborough plans to install a structural BMP not identified in the NOI, Westborough will conduct an endangered species screening for the proposed site and will contact the USFWS if Westborough determines that the new activity "may affect" or is "not likely to adversely affect" listed species or critical habitat under jurisdiction of the USFWS.

National Historic Preservation Act (NHPA) Eligibility Determination:

Westborough has completed the NHPA eligibility process outlined in Appendix D of the permit. Westborough is an existing facility authorized by the previous MS4 permit. Westborough's discharge and discharge-related activities do not have the potential to cause effects on historic properties.

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

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 Malloy	Title:	Town Manager
Signature:		Date:	9/27/18

[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