

# **Stormwater Management Program (SWMP)**

Town of Westport

816 Main Road      MA      02790

EPA NPDES Permit Number MA021174

# Certification

**Authorized Representative (Optional):** All reports, including SWPPPs, inspection reports, annual reports, monitoring reports, reports on training and other information required by this permit must be signed by a person described in Appendix B, Subsection 11.A or by a duly authorized representative of that person in accordance with Appendix B, Subsection 11.B. If there is an authorized representative to sign MS4 reports, there must be a signed and dated written authorization.

The authorization letter is:

- ☐ Attached to this document (document name listed below)

- ☐ Publicly available at the website below

“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 am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.”

Printed Name James Hartnett

Signature

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Date

[Click Here for Revisions](#)

# Background

## Stormwater Regulation

The Stormwater Phase II Final Rule was promulgated in 1999 and was the next step after the 1987 Phase I Rule in EPA's effort to preserve, protect, and improve the Nation's water resources from polluted stormwater runoff. The Phase II program expands the Phase I program by requiring additional operators of MS4s in urbanized areas and operators of small construction sites, through the use of NPDES permits, to implement programs and practices to control polluted stormwater runoff. Phase II is intended to further reduce adverse impacts to water quality and aquatic habitat by instituting the use of controls on the unregulated sources of stormwater discharges that have the greatest likelihood of causing continued environmental degradation. Under the Phase II rule all MS4s with stormwater discharges from Census designated Urbanized Area are required to seek NPDES permit coverage for those stormwater discharges.

## Permit Program Background

On May 1, 2003, EPA Region 1 issued its Final General Permit for Stormwater Discharges from Small Municipal Separate Storm Sewer Systems (2003 small MS4 permit) consistent with the Phase II rule. The 2003 small MS4 permit covered "traditional" (i.e., cities and towns) and "non-traditional" (i.e., Federal and state agencies) MS4 Operators located in the states of Massachusetts and New Hampshire. This permit expired on May 1, 2008 but remained in effect until operators were authorized under the 2016 MS4 general permit, which became effective on July 1, 2018.

## Stormwater Management Program (SWMP)

The SWMP describes and details the activities and measures that will be implemented to meet the terms and conditions of the permit. The SWMP accurately describes the permittees plans and activities. The document should be updated and/or modified during the permit term as the permittee's activities are modified, changed or updated to meet permit conditions during the permit term. The main elements of the stormwater management program are (1) a public education program in order to affect public behavior causing stormwater pollution, (2) an opportunity for the public to participate and provide comments on the stormwater program (3) a program to effectively find and eliminate illicit discharges within the MS4 (4) a program to effectively control construction site stormwater discharges to the MS4 (5) a program to ensure that stormwater from development projects entering the MS4 is adequately controlled by the construction of stormwater controls, and (6) a good housekeeping program to ensure that stormwater pollution sources on municipal properties and from municipal operations are minimized.

## Town Specific MS4 Background (optional)

Westport is a rural town on the border of Massachusetts and Rhode Island, with parts of the Town regulated under the MS4 Permit. The Town recently completed an Integrated Plan to reduce nitrogen and bacteria loading into its waterbodies, specifically the East Branch of the Westport River. Many of the initiatives set forth through the Integrated Plan align well with the requirements of the MS4 Permit, as well as the Plan's goals. Due to the limited MS4 Regulated area in Westport, this Stormwater Management Plan focuses on the needs within the limited regulated area. While reducing nitrogen is a crucial objective of the Town's Integrated Plan, the waterbodies impaired for nitrogen are not within the MS4 Regulated area, and therefore the Town's updated SWMP does not explicitly include the MS4 nitrogen requirements. However, the Town is committed to reducing nitrogen through the projects recommended in the Integrated Plan, many of which are in line with the goals here.

# Small MS4 Authorization

The NOI was submitted on

The NOI can be found at the following (document name or web address):

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Authorization to Discharge was granted on

The Authorization Letter can be found (document name or web address):

# Stormwater Management Program Team

## SWMP Team Coordinator

Name	James Hartnett	Title	Town Administrator
Department	Board of Selectmen		
Phone Number	(508) 636-1150	Email	Hartnettj@westport-ma.gov
Responsibilities	Supervises, directs and assumes responsibility for the efficient administration of functions and activities relating to the MS4 program and management.		

## SWMP Team

Name	Amy Messier	Title	Assist. Town Planner
Department	Planning Board		
Phone Number	(508) 636-1029	Email	messiera@westport-ma.gov
Responsibilities	Under the direction of the Town Administrator and Planning Board, assists with the coordination and implementation of the MS4 permit.		

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Name	Chris Gonsalves	Title	Highway Surveyor
Department	Highway Department		
Phone Number	(508) 636-1020	Email	Highway@westport-ma.gov
Responsibilities	Responsible for coordinating compliance and implementation of the IDDE Plan. Responsible for documenting suspected illicit discharges and providing appropriate investigation. Manages and maintains the Town's stormwater system. Coordinates highway department work with other departments.		

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Name	Chris Capone	Title	Conservation Agent
Department	Conservation Commission		
Phone Number	(508) 636-1019	Email	ccagent@westport-ma.gov
	Assists highway department with IDDE program and maintenance. Coordinates education and outreach programs. Reviews site plans, erosion and sediment control plans as necessary		

Responsibilities and coordinates with departments to ensure conformance with standards and regulations as it relates to stormwater management.

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Name Matthew J. Armendo Title Director Board of Health

Department Board of Health

Phone Number (508) 636-1015 Email Armendom@westport-ma.gov

Responsibilities Review plans for compliance with Title V and Board of Health stormwater regulations. Investigates sources of illicit discharges into the stormwater system. Monitors bacteria in Town water bodies.

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Name Title

Department

Phone Number Email

Responsibilities

Add SWMP Member

# Receiving Waters

The following table lists all receiving waters, impairments and number of outfalls discharging to each waterbody segment.

OR

The information can be found in the following document or at the following web address:

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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
North Watuppa Pond MA 61004		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	MERCURY IN FISH TISSUE
South Watuppa Pond MA 61006	13	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N/A
Sawdy Pond MA 61005		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	MERCURY IN FISH TISSUE
Bread and Cheese Brook MA 95-58	10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	FECAL COLIFORM, ENTEROCOCCUS
East Branch Westport River MA 95-40	13	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	FECAL COLIFORM, ENTEROCOCCUS
Snell Creek MA 95-44	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	FECAL COLIFORM, ENTEROCOCCUS, E. COLI
Kirby Brook MA 95-82	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	ENTEROCOCCUS
Tributary to East Branch of the Westport River	6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N/A
Unnamed Stream	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N/A
Unnamed Pond	3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N/A
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

# Eligibility: Endangered Species and Historic Properties

\*Reminder: The proper consultations and updates to the SWMP must be conducted for construction projects related to your permit compliance where Construction General Permit (CGP) coverage, which requires its own endangered species and history preservation determination, is NOT being obtained.

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## Attachments:

- ☒ The results of Appendix C U.S. Fish and Wildlife Service endangered species screening determination
- ☒ The results of the Appendix D historic property screening investigations
- ☐ If applicable, any documents from the State Historic Preservation Officer (SHPO), Tribal Historic Preservation Officer (THPO), or other Tribal representative to mitigate effects

These attachments are required within one year of the permit effective date and are:

- ☐ Attached to this document (document names listed below)

- ☒ Publicly available at the website listed below

<https://www3.epa.gov/region1/npdes/stormwater/ma/tms4noi/westport.pdf>

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Under what criterion did permittee determine eligibility for ESA?

- ☐ Criterion A      ☐ Criterion B      ☒ Criterion C

Under what criterion did permittee determine eligibility for Historic Properties?

- ☒ Criterion A      ☐ Criterion B      ☐ Criterion C

Below add any additional measures for structural controls that you're required to do through consultation with U.S. Fish and Wildlife Service (if applicable):

Not Applicable

Below add any additional measures taken to avoid or minimize adverse impacts on places listed, or eligible for listing, on the NRHP, including any conditions imposed by the SHPO or THPO (if applicable):

Not Applicable



# MCM 1

## Public Education and Outreach

### Permit Part 2.3.2

**Objective:** The permittee shall implement an education program that includes educational goals based on stormwater issues of significance within the MS4 area. The ultimate objective of a public education program is to increase knowledge and change behavior of the public so that the pollutants in stormwater are reduced.

**Examples and Templates:**

[EPA's Stormwater Education Toolbox](#)

[MassDEP's Stormwater Outreach Materials](#)

Other templates relevant to MCM 1 can be found here: <https://www.epa.gov/npdes-permits/stormwater-tools-new-england#peo>

### **BMP:Residents-targeted brochures and webpage**

**BMP Number (Optional)** 1A \_\_\_\_\_

**Document Name and/or Web Address:** Stormwater Pollution Prevention Guide  
[https://www.westport-ma.com/sites/westportma/files/uploads/7\\_ms4-cic-residential-flyer.pdf](https://www.westport-ma.com/sites/westportma/files/uploads/7_ms4-cic-residential-flyer.pdf)

**Description:**

Pet waste, stormwater, lawn & garden and autocare flyer

**Targeted Audience:** Residents

**Responsible Department/Parties:** Conservation Commission/ Board of Health

**Measurable Goal(s):**

Provide pamphlet for the public at Town Hall and post on MS4 Website. Monitor public response through public meetings and support of water quality initiatives.

**Message Date(s):** 2018-2021

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### **BMP:Residents targeted Brochure- Mailing**

**BMP Number (Optional)** 1B \_\_\_\_\_

**Document Name and/or Web Address:** Know your Nitrogen

**Description:**

Pamphlet prepared by the Westport River Watershed Alliance explaining Nitrogen, where it comes from and what can be done to reduce the impacts of nitrogen loading.

**Targeted Audience:** Residents

**Responsible Department/Parties:** Westport River Watershed Alliance-mailings and handouts

**Measurable Goal(s):**

Inform residential property owners that nitrogen from septic systems, lawn fertilizer, pet waste and other sources have an impact on waterways and the environment and provides methods to minimize nitrogen loading. Monitor public response through public meetings and support of water quality initiatives.

**Message Date(s):** 2017-2018

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### **BMP: Residents Brochure and Webpage**

**BMP Number (Optional)** 1C

**Document Name and/or Web Address:** [https://www.westport-ma.com/sites/westportma/files/uploads/8\\_ms4-citizens-flyer.pdf](https://www.westport-ma.com/sites/westportma/files/uploads/8_ms4-citizens-flyer.pdf)

**Description:**

Brochure prepared by EPA, Stormwater in New England, What you can do as a Citizen. Provides information on ways to minimize pollution in stormwater through landscaping, pet and household waste.

**Targeted Audience:** Residents

**Responsible Department/Parties:** Planning Board MS4 Webpage

**Measurable Goal(s):**

Provide access to Brochure on Town website for residents to educate themselves on BMP for stormwater and household waste. Monitor public response through public meetings and support of water quality initiatives.

**Message Date(s):** 2018-2021

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**BMP:Rules and Regulations**

**BMP Number (Optional)** 1D

**Document Name and/or Web Address:** <https://www.westport-ma.com/sites/westportma/files/uploads/siteplanrulesandregulationsrev1-28-14.pdf>

**Description:**

Rules and Regulations for Site Plan Approval is used as an enforcement tool and an educational tool to inform engineers and developers on BMPs for site development.

**Targeted Audience:** Developers (construction)

**Responsible Department/Parties:** Planning Board

**Measurable Goal(s):**

All new developments in excess of 1,000 s.f. submit site plans to the planning board for review to ensure compliance with stormwater regulations. Monitor public response through public meetings and support of water quality initiatives.

**Message Date(s):** 2018-Ongoing

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**BMP:Brochure**

**BMP Number (Optional)** 1E

**Document Name and/or Web Address:** Pollution Prevention for Business

[https://www.westport-ma.com/sites/westportma/files/uploads/9\\_ms4-p2-businesses\\_2.pdf](https://www.westport-ma.com/sites/westportma/files/uploads/9_ms4-p2-businesses_2.pdf)

**Description:**

Best Management Practices for Pollution Prevention, Why is it important? What are the benefits? How can a Business start using Pollution Prevention.

**Targeted Audience:** Businesses, institutions and commercial facilities

**Responsible Department/Parties:** Building Department

**Measurable Goal(s):**

Provide access to Brochure to all new businesses. Monitor public response through public meetings and support of water quality initiatives.

**Message Date(s):** 2018

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**BMP: Brochure**

**BMP Number (Optional)** 1F

**Document Name and/or Web Address:** Stormwater Management for Small Business  
[https://www.westport-ma.com/sites/westportma/files/uploads/4\\_ms4-sw-management-small-business.pdf](https://www.westport-ma.com/sites/westportma/files/uploads/4_ms4-sw-management-small-business.pdf)

**Description:**

Brochure describes - property maintenance tips, how to dispose of hazardous waste, reminders for restaurants and food establishments. How to prevent Stormwater Pollution.

**Targeted Audience:** Businesses, institutions and commercial facilities

**Responsible Department/Parties:** Board of Health - Highway Department

**Measurable Goal(s):**

Provide brochure to new businesses and existing businesses at time of renewal. Monitor public response through public meetings and support of water quality initiatives.

**Message Date(s):** 2018

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**BMP: Brochure-Webpage**

**BMP Number (Optional)** 1G

**Document Name and/or Web Address:** What you can do as a developer  
[https://www.westport-ma.com/sites/westportma/files/uploads/5\\_ms4-what-developers-can-do.pdf](https://www.westport-ma.com/sites/westportma/files/uploads/5_ms4-what-developers-can-do.pdf)

**Description:**

EPA- Stormwater New England Brochure - recommending and describing innovative development practices including the use of Low Impact Development Practices.

**Targeted Audience:** Developers (construction)

**Responsible Department/Parties:** Planning Board

**Measurable Goal(s):**

Encourage new subdivisions and site plans to use Low Impact Development (LID) practices in their design. Monitor public response through public meetings and support of water quality initiatives.

**Message Date(s):** 2018-2021

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**BMP:Brochure-Mailing**

**BMP Number (Optional)** 1H

**Document Name and/or Web Address:** Only Rain Down the Drain

**Description:**

Brochure for pet waste, lawn and garden, stormwater and auto care.

**Targeted Audience:** Residents

**Responsible Department/Parties:** Town Clerk

**Measurable Goal(s):**

Copy to every dog owner at time of yearly license renewal. Monitor public response through public meetings and support of water quality initiatives.

**Message Date(s):** 2018

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**BMP:N/A**

**BMP Number (Optional)** N/A

**Document Name and/or Web Address:** N/A

**Description:**

There are no industrial facilities in Westport within the MS4 regulated area, therefore do not need any industrial messaging.

**Targeted Audience:** Industrial facilities

**Responsible Department/Parties:**

**Measurable Goal(s):**

**Message Date(s):**

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**BMP:[BMP name here]**

**BMP Number (Optional)**

**Document Name and/or Web Address:**

**Description:**

**Targeted Audience:**

**Responsible Department/Parties:**

**Measurable Goal(s):**

**Message Date(s):**

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Add BMP

## **MCM 2**

# **Public Involvement and Participation**

### **Permit Part 2.3.3**

**Objective:** The permittee shall provide opportunities to engage the public to participate in the review and implementation of the permittee's SWMP.

### **BMP: Public Review of Stormwater Management Program**

**BMP Number (Optional)** 2A

**Location of Plan and/or Web Address:**

**Responsible Department/Parties:**

**Measurable Goal(s):**

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### **BMP: Public Participation in Stormwater Management Program Development**

**BMP Number (Optional)** 2B

**Description:**

**Responsible Department/Parties:**

**Measurable Goal(s):**

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### **BMP: Stormwater Management Planning**

**BMP Number (Optional)** 2C

**Document Name and/or Web Address:**

**Description:**

**Responsible Department/Parties:**

**Measurable Goal(s):**

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**BMP: Hazardous Waste Day**

**BMP Number (Optional)** 2D

**Document Name and/or Web Address:** Annual Hazardous Waste Day

**Description:**

Working with the Westport River Watershed Alliance, organize and host annual waste collection day

**Responsible Department/Parties:** Westport River Watershed Alliance - Highway Department

**Measurable Goal(s):**

Amount of Material Collected

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Add BMP

# MCM 3

## Illicit Discharge Detection and Elimination (IDDE) Program

Permit Part 2.3.4

**Objective:** The permittee shall implement an IDDE program to systematically find and eliminate illicit sources of non-stormwater discharges to its municipal separate storm sewer system and implement procedures to prevent such discharges.

### **Examples and Templates:**

[IDDE Program Template and SOPs](#)

Other templates relevant to IDDE can be found here: <https://www.epa.gov/npdes-permits/stormwater-tools-new-england#idde>

### **BMP: IDDE Legal Authority**

**BMP Number (Optional)** 3A

**Completed** (by May 1, 2008) ☒

**Ordinances Link or Reference:**

**Department Responsible for Enforcement:**

---

### **BMP: Sanitary Sewer Overflow (SSO) Inventory**

**BMP Number (Optional)** 3B

**Completed** (by year 1) ☒

**Document Name and/or Web Address:**

**Description:**

Westport has three properties tied into the Fall River Public Sewer, currently the sewer line is privately owned. SSO Inventory maintained in IDDE Plan.

**Responsible Department/Parties:**

**Measurable Goal(s):**

Annually track and report the following SSO information: the location; a clear statement of whether the discharge entered a surface water directly or entered the MS4; date(s) and time(s) of each known SSO occurrence; estimated volume(s) of the occurrence; description of the occurrence indicating known or suspected cause(s); mitigation and corrective measures completed with dates implemented; and mitigation and corrective measures planned with implementation schedules. Update inventory as needed.

### **SSO Reporting:**

In the event of an overflow or bypass, a notification must be reported within 24 hours by phone to MassDEP, EPA, and other relevant parties. Follow up the verbal notification with a written report following MassDEP's Sanitary Sewer Overflow (SSO)/Bypass notification form within 5 calendar days of the time you become aware of the overflow, bypass, or backup.

<p>The MassDEP contacts are:</p> <p>Northeast Region (978) 694-3215 205B Lowell Street Wilmington, MA 01887 Central Region (508) 792-7650 8 New Bond Street Worcester, MA 01606 Southeast Region (508) 946-2750 20 Riverside Drive Lakeville, MA 02347 Western Region (413) 784-1100 436 Dwight Street Springfield, MA 01103 24-hour Emergency Line 1-888-304-1133</p>	<p>The EPA contacts are:</p> <p>EPA New England (617) 918-1510 5 Post Office Square Boston, MA 02109</p>
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### **BMP: Map of Storm Sewer System**

**BMP Number (Optional)** 3C

**Phase I Completed** ☒  
(by year 2)

**Phase II Completed** ☐  
(by year 10)

**Document Location and/or Web Address:** Included in IDDE Plan

**Description:**

Outfall maps show urbanized MS4 area, wetlands, and labeled waterbodies. Each discharge is labeled with a color corresponding to the outfall's receiving waterbody and a table describes the receiving waterbody's impaired waters category and other impairments.

**Responsible Department/Parties:** Highway Department , Planning Board, BBNEP

**Measurable Goal(s):**

Map 100% of outfalls and receiving waters, open channel conveyances, interconnections with other MS4s and other storm sewer systems, municipally-owned stormwater treatment structures, waterbodies identified by name and indication of all use impairments, and initial catchment delineations within 2 years of the permit's effective date. Map 100% of outfall spatial locations, pipes, manholes, catch basins, refined catchment delineations, municipal sanitary sewer system (if available), and municipal combined sewer system (if applicable) within 10 years of the permit's effective date.

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### **BMP: IDDE Program**

**BMP Number (Optional)** 3D

**Written Document Completed** (by year 1) ☒

**Document Name and/or Web Address:** Town of Westport IDDE Plan

**Description:**

Develop and implement IDDE program in accordance with permit conditions

**Responsible Department/Parties:** Planning Board, Highway Department, Board of Health

**Measurable Goal(s):**

Conduct 100% of outfall screening on High and Low Priority Outfalls within 3 years of the permit's effective date. Complete catchment investigations for 100% of the Problem Outfalls within 7 years of the permit's effective date. Complete 100% of all catchment investigations within 10 years of the permit's effective date.

**The outfall/interconnection inventory and initial ranking and the dry weather outfall and interconnection screening and sampling results can be found:**

In IDDE Plan. In 2021, IDDE Plan was updated to include the results of the dry weather screening and outfall re-prioritization.

**BMP: Employee Training**

**BMP Number (Optional)** 3E

**Description:**

Train employees on IDDE implementation

**Responsible Department/Parties:** Highway Department - Board of Health

**Measurable Goal(s):**

Training occurs as scheduled or at a minimum annually.

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**BMP:[BMP name here]**

**BMP Number (Optional)** \_\_\_\_\_

**Completed** ☐

**Document Name and/or Web Address:**

**Description:**

**Responsible Department/Parties:**

**Measurable Goal(s):**

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Add BMP

# MCM 4

## Construction Site Stormwater Runoff Control

### Permit Part 2.3.5

**Objective:** The objective of an effective construction stormwater runoff control program is to minimize or eliminate erosion and maintain sediment on site so that it is not transported in stormwater and allowed to discharge to a water of the U.S. through the permittee's MS4.

#### **Examples and Templates:**

Examples and templates relevant to MCM 4, including model ordinances and site inspection templates, can be found here: <https://www.epa.gov/npdes-permits/stormwater-tools-new-england#csrc>

### **BMP: Sediment and Erosion Control Ordinance**

**BMP Number (Optional)** 4A

**Completed** (by May 1, 2008) ☒

**Ordinances Link or Reference:** Site Plan Approval Regulations

**Department Responsible for Enforcement:** Conservation Commission

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### **BMP: Site Plan Review Procedures**

**BMP Number (Optional)** 4B

**Written procedures completed** (by year 1) ☒

**Document Name and/or Web Address:** Site Plan Approval Regulations

**Description:**

The purpose of Site Plan Approval is to protect the health, safety, convenience, property values, and general welfare of the inhabitants of the Town of Westport by providing for review of plans for uses and structures which may have significant impacts on traffic; municipal and public services and utilities; environmental and design quality; and community character.

**Responsible Department/Parties:** Planning Board

**Measurable Goal(s):**

Conduct site plan review of 100% of projects according to the procedures outlined above.

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### **BMP: Site Inspections and Enforcement of Sediment and Erosion Control Measures Procedures**

**BMP Number (Optional)** 4C

**Completed** (by year 1) ☒

**Document Name and/or Web Address:** Planning Board Zoning Bylaw Article 20, LID and Site Plan Approval Regulations

**Description:**

Construction for projects requiring Site Plan Review are inspected by Town review engineer or developers engineer certifies that it was built in substantial conformity with the design plans. Sites are inspected during construction by Planning, Conservation and Highway Department to ensure compliance with design plans and to monitor erosion control methods.

**Responsible Department/Parties:** Planning Board, Conservation Commission, Highway Department

**Measurable Goal(s):**

Inspect 100% of construction sites as outlined in the above document and take enforcement actions as needed.

**BMP:Waste Control**

**BMP Number (Optional)** 4D **Completed** ☐

**Document Name and/or Web Address:**

Site Plan Approval Regulations

**Description:**  

Permit 2.3.4.c.iv - Adoption of requirements to control wastes including but not limited to, discarded building materials, concrete truck wash out, chemicals, litter, and sanitary wastes. These wastes may not be discharged to the MS4.

**Responsible Department/Parties:**

Conservation Committee

**Measurable Goal(s):**  

Enforce requirements to control wastes at all construction sites in accordance with regulation.

Add BMP



# **MCM 5**

## **Post Construction Stormwater Management in New Development and Redevelopment**

### **Permit Part 2.3.6**

**Objective:** The objective of an effective post construction stormwater management program is to reduce the discharge of pollutants found in stormwater to the MS4 through the retention or treatment of stormwater after construction on new or redeveloped sites and to ensure proper maintenance of installed stormwater controls.

#### **Examples and Templates:**

Examples and templates relevant to MCM 5, including model ordinances and bylaw review templates and guidance can be found here: <https://www.epa.gov/npdes-permits/stormwater-tools-new-england#pcsm>

### **BMP: Post-Construction Ordinance**

**BMP Number (Optional)** 5A

**Completed** (by year 2) ☒

**Town Ordinances Link or Reference:** Board of Health Stormwater Quality and Quantity Control Regulation

**Department Responsible for Enforcement:** Planning Board

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### **BMP: Street Design and Parking Lot Guidelines Report**

**BMP Number (Optional)** 5B

**Completed** (by year 4) ☒

**Document Name and/or Web Address:** Article 15 "Site Plan Review" Zoning Bylaw, & Article 20 "Low Impact Development" Planning Board Subdivision Rules and Regulations

**Description:**

Street design is regulated under the Planning Board's Subdivision Rules and Regulations, these regulations were updated in 2017 to incorporate higher intensity storms and Low Impact Development Standards. Parking lot design is regulated under Site Plan Review and Low Impact Development Bylaws and both reference the stormwater standards listed in the Subdivision Rules and Regulations.

**Responsible Department/Parties:** Planning Board, Conservation Commission

**Measurable Goal(s):**

Recommendations are implemented with progress reported annually.

---

### **BMP: Green Infrastructure Report**

**BMP Number (Optional)** 5C

**Completed** (by year 4) ☒

**Document Name and/or Web Address:** Streets Design and Parking Lot Guidelines Analysis; Green Infrastructure Feasibility Analysis Memorandum

**Description:**

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 additional low impact options.

**Responsible Department/Parties:** Planning Board, Conservation Commission

**Measurable Goal(s):**

Recommendations are implemented when adopted with progress reported annually.

---

---

### **BMP: List of Municipal Retrofit Opportunities**

**BMP Number (Optional)** 5D

**Completed** (by year 4) ☒

**Document Name and/or Web Address:** Westport Elementary School

**Description:**

As part of the New Westport Middle/High School, existing drainage from the elementary school that is located on the same site will be redesigned using Best Management Practices and Low Impact Development standards. Three existing outflow pipes will be redirected into infiltration systems and filtered by Water Quality Drainage Structures prior to overflowing into the Old County Road Drainage system.

**Responsible Department/Parties:** School Building Committee

**Measurable Goal(s):**

The list is completed by June 2020 and updated as needed.

---

### **BMP:[Municipal Retrofit Project]**

**BMP Number (Optional)** 5E

**Completed** ☒

**Document Name and/or Web Address:** Westport Middle/High School

**Description:**

The existing middle school was demolished, a new Middle/ High school will be constructed with a new drainage design, exceeding the Planning Board's Site Plan and Low Impact design standards, providing infiltration along with water quality stormceptors.

**Responsible Department/Parties:** School Building Committee, Planning Board

**Measurable Goal(s):**

Reduce rate of run-off at the existing outfall on Old County Road and improve water quality by removing sediments and contaminants prior to the outfall.

---

### **BMP:Municipal Retrofit Project**

**BMP Number (Optional)** 5F

**Completed** ☐

**Document Name and/or Web Address:** Town Landing-WRWA Site Plan

**Description:**

Upgrade parking area and storm drainage system at the Head Town Landing. Improvements will include

stabilization of the ramp and river bank along with infiltration trench to intercept stormwater prior to leaving the site. Roof infiltration systems will also be installed.

**Responsible Department/Parties:** Planning Board, Conservation Commission

**Measurable Goal(s):**

Reduce runoff from the site, stabilize river bank and kayak ramp.

---

**BMP:Municipal Opportunities for BMP Retrofits**

**BMP Number (Optional)** 5G

**Completed** ☒

**Document Name and/or Web Address:** Municipal Retrofit BMP Analysis

**Description:**

By June 2022, the Town must identify a minimum of 5 town-owned properties that could potentially be modified or retrofitted with BMPs to reduce the frequency, volume, and pollutant loads of stormwater discharge to the MS4. An inventory of potential properties shall be created and maintained.

**Responsible Department/Parties:** Planning Board

**Measurable Goal(s):**

By June 2022, a list of at least 5 properties will be developed. As part of the annual report in each subsequent year, the inventory will be updated to include at least 5 potential opportunities that have not been completed until there are less than 5 potential properties remaining.

---

Add BMP

# MCM 6

## Good Housekeeping and Pollution Prevention for Permittee Owned Operations

Permit Part 2.3.7

**Objective:** The permittee shall implement an operations and maintenance program for permittee-owned operations that has a goal of preventing or reducing pollutant runoff and protecting water quality from all permittee-owned operations.

### **Examples and Templates:**

Examples and templates relevant to MCM 6, including SOP templates for catch basin cleaning, street sweeping, vehicle maintenance, parks and open space management, winter deicing, and Stormwater Pollution Prevention Plans can be found here: <https://www.epa.gov/npdes-permits/stormwater-tools-new-england#gh>

## PERMITTEE OWNED FACILITIES

### BMP: Parks and Open Spaces Operations and Maintenance Procedures

BMP Number (Optional) 6A

Written Document Completed (by year 2) ☒

Document Name and/or Web Address: BMP 8 - Lawn and Grounds Maintenance (Good Housekeeping Manual)

**Description:**

O & M procedures including all requirements contained in 2.3.7.a.ii. These regulations will apply to parks, cemeteries, public rights-of-way, and all other town-owned facilities with lawns and grounds within the MS4 designated area.

Responsible Department/Parties: Highway Department

**Measurable Goal(s):**

Implement the SOP listed above on 100% of the parks and open spaces.

**Properties List (Optional):**

Skateboard Park - 154 Gifford Road

---

### BMP: Buildings and Facilities Operations and Maintenance Procedures

BMP Number (Optional) 6B

Written Document Completed (by year 2) ☒

Document Name and/or Web Address: BMP 14 - Building Operations (Good Housekeeping Manual)

**Description:**

O & M Procedures including all requirements contained in 2.3.7.a.i for all town-owned facilities.

Responsible Department/Parties: Highway Department, Fire Department, School Department

**Measurable Goal(s):**

Implement the SOP listed above on 100% of buildings and facilities.

**Properties List (Optional):**

Macomber School, 154 Gifford Road  
Library - 408 Old County Road  
Elementary School - 380 Old County Road  
Briggs Road Fire Station - 85 Briggs Road  
Westport Middle / High School - 400 Old Country Road

## **BMP: Vehicles and Equipment Operations and Maintenance Procedures**

**BMP Number (Optional)** 6C

**Written Document Completed** (by year 2) ☒

**Document Name and/or Web Address:** Not Applicable

**Description:**

Storage, Maintenance and repairs of vehicles are not done within the MS4 Designated areas

**Responsible Department/Parties:** Highway Department

**Measurable Goal(s):**

Implement the SOP listed above for 100% of vehicles and equipment according to the above document.

**Properties List (Optional):**

Not Applicable, storage and maintenance of vehicles is done outside of the MS4 areas.

---

## **INFRASTRUCTURE**

### **BMP: Infrastructure Operations and Maintenance Procedures**

**BMP Number (Optional)** 6D

**Written Procedure Completed** (by year 2) ☒

**Document Name and/or Web Address:** Good Housekeeping Manual

**Description:**

Establish and implement program for repair and rehabilitation of MS4 infrastructure. General maintenance of stormwater structures is completed as needed as funds become available. Infrastructure is repaired or upgraded when roads are resurfaced or reconstructed.

**Responsible Department/Parties:** Highway Department

**Measurable Goal(s):**

100% of infrastructure is maintained to ensure proper function in accordance with the procedures above.

---

### **BMP: Catch Basin Cleaning Program**

**BMP Number (Optional)** 6E

**Written Procedure Completed** (by year 1) ☒

**Document Name and/or Web Address:** Catch Basin inspection and Cleaning Procedures

**Description:**

Establish schedule for catch basin cleaning such that each catch basin is no more than 50% full and clean catch basins on that schedule. Highway department maintains a dated list of all basin cleaning.

**Responsible Department/Parties:** Highway Department

**Measurable Goal(s):**

All catch basins are cleaned in accordance to the document above such that no catch basin is more than 50% full at any given time.

---

**BMP: Street Sweeping Program**

**BMP Number (Optional)** 6F

**Written Procedure Completed** (by year 1) ☒

**Document Name and/or Web Address:**

BMP 9 - Street and Parking Lot Sweeping (Good Housekeeping Manual)

**Description:**

Adhere to the Town's cleaning schedule - street sweeper operates, spring, summer and fall. All streets are swept as needed, with the heavily travelled and sanded routes listed as a priority.

**Responsible Department/Parties:** Highway Department

**Measurable Goal(s):**

Annually sweep 100% of all streets and 50% of all municipal parking lots in accordance with the schedule listed above.

---

**BMP: Winter Road Maintenance Program**

**BMP Number (Optional)** 6G

**Written Procedure Completed** (by year 1) ☒

**Document Name and/or Web Address:**

BMP 1 - Road Sand/Salt Application and Storage (Good Housekeeping Manual)

**Description:**

Standard operating procedures: low salt areas near any water bodies or residential areas and over-salting prevention.

**Responsible Department/Parties:** Highway Department

**Measurable Goal(s):**

Evaluate at least one salt/chloride alternative for use in the municipality.



## **BMP: Stormwater Treatment Structures Inspection and Maintenance Procedures**

**BMP Number (Optional)** 6H

**Completed** (by year 1) ☒

**Document Name and/or Web Address:**

**Description:**

**Responsible Department/Parties:**

**Measurable Goal(s):**

---

## **BMP: SWPPP**

**BMP Number (Optional)** 6I

**Completed** (by year 2) ☒

**Document Name and/or Web Address:**

**Description:**

**Responsible Department/Parties:**

**Measurable Goal(s):**

---

## **BMP:**

**BMP Number (Optional)** \_\_\_\_\_

**Completed** ☐

**Document Name and/or Web Address:**

**Description:**

**Responsible Department/Parties:**

**Measurable Goal(s):**

---

Add BMP

# Annual Evaluation

## Year 1 Annual Report

**Document Name and/or Web Address:**

<https://www3.epa.gov/region1/npdes/stormwater/ma/reports/2019/westport-ma-ar19.pdf>

## Year 2 Annual Report

**Document Name and/or Web Address:**

<https://www3.epa.gov/region1/npdes/stormwater/ma/reports/2020/westport-ma-ar20.pdf>

## Year 3 Annual Report

**Document Name and/or Web Address:**

## Year 4 Annual Report

**Document Name and/or Web Address:**

## Year 5 Annual Report

**Document Name and/or Web Address:**

## Year X Annual Report

**Document Name and/or Web Address:**

Add a Year

# TMDLs and Water Quality Limited Waters

Select the applicable Impairment(s) and/or TMDL(s).

## **Impairment(s)**

- ☒ Bacteria/Pathogens      ☐ Chloride      ☐ Nitrogen      ☐ Phosphorus  
☐ Solids/oil/grease (hydrocarbons)/metals

## **TMDL(s)**

*In State:*

- ☐ Assabet River Phosphorus      ☒ Bacteria and Pathogen      ☐ Cape Cod Nitrogen  
☐ Charles River Watershed Phosphorus      ☐ Lake and Pond Phosphorus

*Out of State:*

- ☐ Bacteria and Pathogen      ☐ Metals      ☐ Nitrogen      ☐ Phosphorus

Clear Impairments and TMDLs

# Bacteria/Pathogens

## Combination of Impaired Waters Requirements and TMDL Requirements as Applicable

Applicable Receiving Waterbody(ies)	TMDL Name (if applicable)	Add/Delete Row
Bread & Cheese Brook MA 95-58	36170	<input type="checkbox"/> + <input type="checkbox"/> -
East Branch Westport River MA 95-40	36170	<input type="checkbox"/> + <input type="checkbox"/> -
Snell Creek MA 95-44	36170	<input type="checkbox"/> + <input type="checkbox"/> -

### Annual Requirements Beginning Year 1

Rank outfalls to these receiving waters as high priority for IDDE implementation in the initial outfall ranking

The relevant BMP number(s) listed above in the Stormwater Management Program OR the description of implementation actions and document location(s) are:

Outfalls discharge to bacteria/pathogen impaired waters are labeled as HIGH priority in the IDDE Plan.

### *Public Education and Outreach*

*(Public education messages can be combined with other public education requirements as applicable (see Appendix H and F for more information))*

Annual message encouraging the proper management of pet waste, including noting any existing ordinances where appropriate

The relevant BMP number(s) listed above in the Stormwater Management Program OR the description of implementation actions and document location(s) are:

BMP 1C Brochure prepared by EPA, Stormwater in New England, What you can do as a Citizen. Provides information on ways to minimize pollution in stormwater through landscaping, pet and household waste.

Permittee or its agents disseminate educational material to dog owners at the time of issuance or renewal of dog license, or other appropriate time

The relevant BMP number(s) listed above in the Stormwater Management Program OR the description of implementation actions and document location(s) are:

BMP 1H

-----  
Provide information to owners of septic systems about proper maintenance in any catchment that discharges to a water body impaired for bacteria

The relevant BMP number(s) listed above in the Stormwater Management Program OR the description of implementation actions and document location(s) are:

BMP 1C
--------

# Nitrogen

## Combination of Impaired Waters Requirements and TMDL Requirements as Applicable

Applicable Receiving Waterbody(ies)	TMDL Name (if applicable)	Add/Delete Row
		<input type="button" value="+"/> <input type="button" value="-"/>

### Annual Requirements Beginning Year 1

#### *Public Education and Outreach*

*(Public education messages can be combined with other public education requirements as applicable (see Appendix H and F for more information))*

-----  
Distribute an annual message in the spring (April/May) that encourages the proper use and disposal of grass clippings and encourages the proper use of slow-release fertilizers

The relevant BMP number(s) listed above in the Stormwater Management Program OR the description of implementation actions and document location(s) are:

-----  
Distribute an annual message in the summer (June/July) encouraging the proper management of pet waste, including noting any existing ordinances where appropriate

The relevant BMP number(s) listed above in the Stormwater Management Program OR the description of implementation actions and document location(s) are:

-----  
Distribute an annual message in the fall (August/September/October) encouraging the proper disposal of leaf litter

The relevant BMP number(s) listed above in the Stormwater Management Program OR the description of implementation actions and document location(s) are:

#### *Good Housekeeping and Pollution Prevention for Permittee Owned Operations*

---

Establish requirements for the use of slow release fertilizers on permittee owned property currently using fertilizer, in addition to reducing and managing fertilizer use as provided in part 2.3.7.1

The relevant BMP number(s) listed above in the Stormwater Management Program OR the description of implementation actions and document location(s) are:

---

Establish procedures to properly manage grass cuttings and leaf litter on permittee property, including prohibiting blowing organic waste materials onto adjacent impervious surfaces

The relevant BMP number(s) listed above in the Stormwater Management Program OR the description of implementation actions and document location(s) are:

---

Increase street sweeping frequency of all municipal owned streets and parking lots subject to Permit part 2.3.7.a.iii.(c) to a minimum of two times per year (spring and fall)

The relevant BMP number(s) listed above in the Stormwater Management Program OR the description of implementation actions and document location(s) are:

#### *Nitrogen Reduction Tracking BMP*

---

Any structural BMPs listed in Table 3 of Attachment 1 to Appendix H already existing or installed in the regulated area by the permittee or its agents shall be tracked and the permittee shall estimate the nitrogen removal by the BMP consistent with Attachment 1 to Appendix H. .

The BMP type, total area treated by the BMP, the design storage volume of the BMP and the estimated nitrogen removed in mass per year by the BMP is found in the following document or website and is updated yearly at a minimum:

#### Requirements Due by Year 2

##### *Stormwater Management in New Development and Redevelopment*



---

The requirement for adoption/amendment of the permittee's ordinance or other regulatory mechanism shall include a requirement that new development and redevelopment stormwater management BMPs be optimized for nitrogen removal

The relevant BMP number(s) listed above in the Stormwater Management Program OR the description of implementation actions and document location(s) are:

#### Requirements Due by Year 4

---

Complete a Nitrogen Source Identification Report

The document name (if attached) and/or web address is/are:

#### *Stormwater Management in New Development and Redevelopment*

---

Retrofit inventory and priority ranking under 2.3.6.1.b. shall include consideration of BMPs to reduce nitrogen discharges

The relevant BMP number(s) listed above in the Stormwater Management Program OR the description of implementation actions and document location(s) are:

#### Requirements Due by Year 5

##### *Potential Structural BMPs*

---

Evaluate all permittee-owned properties identified as presenting retrofit opportunities or areas for structural BMP installation under Permit part 2.3.6.d.ii or identified in the Nitrogen Source Identification Report that are within the drainage area of the impaired water or its tributaries

The relevant BMP number(s) listed above in the Stormwater Management Program OR the description of implementation actions and document location(s) are:

---

Complete a listing of planned structural BMPs and a plan and schedule for implementation

The relevant BMP number(s) listed above in the Stormwater Management Program OR the description of implementation actions and document location(s) are:

--

# Chloride

Applicable Receiving Waterbody(ies)	TMDL Name (if applicable)	Add/Delete Row
		<input type="button" value="+"/> <input type="button" value="-"/>

## Annual Requirements Beginning Year 1

### *Public Education and Outreach*

*(Public education messages can be combined with other public education requirements as applicable (see Appendix H and F for more information))*

-----  
Include an annual message in November/December to private road salt applicators and commercial industrial site owners on the proper storage and application rates of winter deicing material, along with the steps that can be taken to minimize salt use and protect local waterbodies

The relevant BMP number(s) listed above in the Stormwater Management Program OR the description of implementation actions and document location(s) are:

## Requirements Due by Year 3

-----  
Develop a Salt Reduction Plan

The document name (if attached) and/or web address is/are:

## Requirements Due by Year 4

-----  
Continue implementation of the Salt Reduction Plan

## Requirements Due by Year 5

-----  
Fully implement the Salt Reduction Plan

# Solids, Oil and Grease (Hydrocarbons), or Metals

## Combination of Impaired Requirements and TMDL Requirements as Applicable

Applicable Receiving Waterbody(ies)	TMDL Name (if applicable)	Add/Delete Row
		<input type="button" value="+"/> <input type="button" value="-"/>

### Annual Requirements Beginning Year 1

Rank outfalls to these receiving waters as high priority for IDDE implementation in the initial outfall ranking

The relevant BMP number(s) listed above in the Stormwater Management Program OR the description of implementation actions and document location(s) are:

### *Good Housekeeping and Pollution Prevention for Permittee Owned Operations*

Increase street sweeping frequency of all municipal owned streets and parking lots to a schedule to target areas with potential for high pollutant loads

The relevant BMP number(s) listed above in the Stormwater Management Program OR the description of implementation actions and document location(s) are:

Prioritize inspection and maintenance for catch basins to ensure that no sump shall be more than 50 percent full; Clean catch basins more frequently if inspection and maintenance activities indicate excessive sediment or debris loadings

The relevant BMP number(s) listed above in the Stormwater Management Program OR the description of implementation actions and document location(s) are:

### Requirements Due by Year 2

#### *Stormwater Management in New Development and Redevelopment*

---

Stormwater management systems designed on commercial and industrial land use area draining to the water quality limited water body shall incorporate designs that allow for shutdown and containment where appropriate to isolate the system in the event of an emergency spill or other unexpected event

The relevant BMP number(s) listed above in the Stormwater Management Program OR the description of implementation actions and document location(s) are:

--

# Phosphorus

## Combination of Impaired Waters Requirements and TMDL Requirements as Applicable

Applicable Receiving Waterbody(ies)	TMDL Name (if applicable)	Add/Delete Row
		<input type="button" value="+"/> <input type="button" value="-"/>

### Annual Requirements Beginning Year 1

#### *Public Education and Outreach*

*(Public education messages can be combined with other public education requirements as applicable (see Appendix H and F for more information))*

-----  
Distribute an annual message in the spring(April/May) that encourages the proper use and disposal of grass clippings and encourages the proper use of slow-release and phosphorus-free fertilizers

The relevant BMP number(s) listed above in the Stormwater Management Program OR the description of implementation actions and document location(s) are:

-----  
Distribute an annual message in the summer (June/July) encouraging the proper management of pet waste, including noting any existing ordinances where appropriate

The relevant BMP number(s) listed above in the Stormwater Management Program OR the description of implementation actions and document location(s) are:

-----  
Distribute an annual message in the fall (August/September/October) encouraging the proper disposal of leaf litter

The relevant BMP number(s) listed above in the Stormwater Management Program OR the description of implementation actions and document location(s) are:

#### *Good Housekeeping and Pollution Prevention for Permittee Owned Operations*

---

Increase street sweeping frequency of all municipal owned streets and parking lots subject to Permit part 2.3.7.a.iii.(c) to a minimum of two times per year (spring and fall)

The relevant BMP number(s) listed above in the Stormwater Management Program OR the description of implementation actions and document location(s) are:

---

Establish procedures to properly manage grass cuttings and leaf litter on permittee property, including prohibiting blowing organic waste materials onto adjacent impervious surfaces

The relevant BMP number(s) listed above in the Stormwater Management Program OR the description of implementation actions and document location(s) are:

#### *Stormwater Management in New Development and Redevelopment*

---

Retrofit inventory and priority ranking under 2.3.6.1.b. shall include consideration of BMPs to reduce phosphorus discharges

The relevant BMP number(s) listed above in the Stormwater Management Program OR the description of implementation actions and document location(s) are:

#### *Phosphorus Reduction Tracking BMP*

---

Any structural BMPs listed in Table 3 of Attachment 1 to Appendix H already existing or installed in the regulated area by the permittee or its agents shall be tracked and the permittee shall estimate the phosphorus removal by the BMP consistent with Attachment 1 to Appendix H.

The BMP type, total area treated by the BMP, the design storage volume of the BMP and the estimated phosphorus removed in pass per year by the BMP is found in the following document or website and is updated yearly at a minimum:

#### Requirements Due by Year 2

##### *Stormwater Management in New Development and Redevelopment*

---

The requirement for adoption/amendment of the permittee's ordinance or other regulatory mechanism shall include a requirement that new development and redevelopment stormwater management BMPs be optimized for phosphorus removal

The relevant BMP number(s) listed above in the Stormwater Management Program OR the description of implementation actions and document location(s) are:

#### Requirements Due by Year 4

---

Complete a Phosphorus Source Identification Report

The document name (if attached) and/or web address is/are:

#### *Stormwater Management in New Development and Redevelopment*

---

Retrofit inventory and priority ranking under 2.3.6.1.b. shall include consideration of BMPs that infiltrate stormwater where feasible

The relevant BMP number(s) listed above in the Stormwater Management Program OR the description of implementation actions and document location(s) are:

#### Requirements Due by Year 5

##### *Potential Structural BMPs*

---

Evaluate all permittee-owned properties identified as presenting retrofit opportunities or areas for structural BMP installation under Permit part 2.3.6.d.ii or identified in the Phosphorus Source Identification Report that are within the drainage area of the impaired water or its tributaries

The relevant BMP number(s) listed above in the Stormwater Management Program OR the description of implementation actions and document location(s) are:



---

Complete a listing of planned structural BMPs and a plan and schedule for implementation

The relevant BMP number(s) listed above in the Stormwater Management Program OR the description of implementation actions and document location(s) are:

--

# Charles River Watershed Phosphorus TMDL

PCP Phase	Document Location
I (completed by year 5)	
II (completed by year 10)	
III (completed by year 15)	

# Lake and Pond Phosphorus TMDL

Begin Phase 1 of the Lake Phosphorus Control Plan during year 1 and complete by year 5.

Applicable Receiving Waterbody(ies)	PCP Complete	Document Location	Add/Delete Row
	<input type="checkbox"/>		<input type="button" value="+"/> <input type="button" value="-"/>