

# **Stormwater Management Program (SWMP)**

Town of Uxbridge

21 S Main St,

Uxbridge, MA 01569

EPA NPDES Permit Number MAR - 04-1166

# 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 Steven Sette, Town Manager

Signature



Date

9/26/22

[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)

Date of this document: June 27, 2019

Revised: February 2020, September 2020, September 2022

# 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	<input type="text" value="Benn S. Sherman, P.E."/>	Title	<input type="text" value="Director"/>
Department	<input type="text" value="Department of Public Works"/>		
Phone Number	<input type="text" value="(508) 278-8616"/>	Email	<input type="text" value="bsherman@uxbridge-ma.gov"/>
Responsibilities	<input type="text" value="Facilitate and support program."/>		

## SWMP Team

Name	<input type="text" value="Paul Hutnak"/>	Title	<input type="text" value="Civil Engineer"/>
Department	<input type="text" value="Department of Public Works"/>		
Phone Number	<input type="text" value="(508) 278-8616"/>	Email	<input type="text" value="phutnak@uxbridge-ma.gov"/>
Responsibilities	<input type="text" value="Facilitate and support program."/>		

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Department	<input type="text"/>		
Phone Number	<input type="text"/>	Email	<input type="text"/>
Responsibilities	<input type="text"/>		

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:

Note: Revised through June 20, 2019. Updated outfall totals, added 5 interconnection outfalls to outfalls listed in NOI. Revised February 2020. Added classification under state water quality standards and integrated list of waters (if listed).

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
Drabbetail Brook (Not listed in 314 CMR 4.06 or 2016 Integrated List of Waters)	31	<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"/>	
Mumford River MA 51-14 (Surface Water Classification B 2016 Integrated List of Waters Category 5)	31	<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"/>	Aquatic Plants (macrophytes), Copper, Lead
Dunleavy Brook (Not listed in 314 CMR 4.06 or 2016 Integrated List of Waters)	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"/>	
Dunleavy Pond (Not listed in 314 CMR 4.06 or 2016 Integrated List of Waters)	2	<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"/>	
Lackey Pond (Not listed in 314 CMR 4.06 or 2016 Integrated List of Waters)	2	<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"/>	

Blackstone River MA (51-04 & 51-05) (Surface Water Classification B 2016 Integrated List of Waters Category 5)	53									Aquatic macroinvertebrate bioassessments, cadmium, copper, excess algal growth, lead, nutrient/eutrophication biological indicators, pcbs, taste and odor, and turbidity, DDT
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Still Corner Brook (Not listed in 314 CMR 4.06 or 2016 Integrated List of Waters)	7	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Farrell Brook (Not listed in 314 CMR 4.06 or 2016 Integrated List of Waters)	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"/>	
Cold Spring Brook (Surface Water Classification B 2016 Integrated List of Waters Category 2)	19	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Rivulet Pond MA 51138 (Surface Water Classification B 2016 Integrated List of Waters Category 4c)	4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Taft Pond (Not listed in 314 CMR 4.06 or 2016 Integrated List of Waters)	8	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Whitin Pond (Not listed in 314 CMR 4.06 or 2016 Integrated List of Waters)	4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Hecla Canal (Not listed in 314 CMR 4.06 or 2016 Integrated List of Waters)	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"/>	
Happy Hollow Brook (Not listed in 314 CMR 4.06 or 2016 Integrated List of Waters)	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"/>	
Blackstone Canal (Not listed in 314 CMR 4.06 or 2016 Integrated List of Waters)	9	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

West River MA 51-12 (Surface Water Classification B 2016 Integrated List of Waters Category 5)	43	<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"/>	Cadmium, chloride, copper, lead, nutrient/eutrophication biological indicators, low pH
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								
Bacon Brook (Not listed in 314 CMR 4.06 2016 Integrated List of Waters Category 2)	2	<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"/>									
Ironstone Reservoir MA51074 (Surface Water Classification B 2016 Integrated List of Waters Category 4c)	4	<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"/>									
Rivulet Brook (Not listed in 314 CMR 4.06 or 2016 Integrated List of Waters)	5	<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"/>									
MassDOT (to Blackstone River-see above)	4	<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"/>									
MassDOT (to Rivulet Brook-see above)	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"/>									
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[Click here to lengthen table](#)



# 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.

---

## 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

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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      ☐ Criterion D (NH only)

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):

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):

# 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: Post on Social Media/Town Website**

**BMP Number (Optional)** 1.1

**Document Name and/or Web Address:** <https://www.thinkbluemassachusetts.org/>  
<https://www.centralmastormwater.org/>  
(links posted on Town website and DPW Facebook page)

**Description:**

Promote stormwater awareness through social media and town web page link to Central Massachusetts Regional Stormwater Coalition(CMRSWC) and Think Blue Massachusetts.

**Targeted Audience:** Residents

**Responsible Department/Parties:** Department of Public Works

**Measurable Goal(s):**

Track number of posts and followers.

**Message Date(s):** 2018

---

### **BMP: Post on Social Media/Town Website**

**BMP Number (Optional)** 1.2

**Document Name and/or Web Address:** <https://www.thinkbluemassachusetts.org/>  
<https://www.centralmastormwater.org/>  
(links posted on Town website and DPW Facebook page)

**Description:**

Promote stormwater awareness through social media and town web page link to CMRSWC and Think Blue Massachusetts.

**Targeted Audience:** Businesses, institutions and commercial facilities, Developers (construction), Industrial f

**Responsible Department/Parties:** Department of Public Works

**Measurable Goal(s):**

Track number of posts and followers.

**Message Date(s):** 2018

---

### **BMP:Classroom Education on Stormwater**

**BMP Number (Optional) 1.3**

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

**Description:**

Provide classroom education on stormwater awareness.

**Targeted Audience:** Residents

**Responsible Department/Parties:** Department of Public Works

**Measurable Goal(s):**

Quantity of students.

**Message Date(s):** 2021

---

**BMP: Flyer Distribution**

**BMP Number (Optional) 1.4**

**Document Name and/or Web Address:** Pollution Prevention for Businesses  
(STORMWATER\MS4\Uxbridge Public Education and  
Outreach\Business-Institution-Commercial\ms4-p2-businesses-  
Uxbridge.doc)

**Description:**

Flyer for Pollution Prevention. Distributed with Utility Bills by Use Type.

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

**Responsible Department/Parties:** Department of Public Works

**Measurable Goal(s):**

Quantify number of brochures distributed.

**Message Date(s):** 2021

---

**BMP: Flyer Distribution**

**BMP Number (Optional) 1.5**

**Document Name and/or Web Address:** Builder's Guide to Low Impact Development  
(STORMWATER\MS4\Uxbridge Public Education and Outreach\Developers\Builder\_LID.pdf)

**Description:**

Flyer for Low Impact Development Benefits. To be Placed in Planning and Conservation Offices.

**Targeted Audience:** Developers (construction)

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

**Measurable Goal(s):**

Quantify number of brochures taken.

**Message Date(s):** 2021

---

**BMP: Flyer Distribution**

**BMP Number (Optional)** 1.6

**Document Name and/or Web Address:** Stormwater Pollution Prevention For Industrial Sites  
(STORMWATER\MS4\Uxbridge Public Education and Outreach  
\Industrial\ms4-industrial-bmps-Uxbridge.doc)

**Description:**

Flyer for Pollution Prevention for Industrial Sites. Distributed with Utility Bills for Industrial Zone Users..

**Targeted Audience:** Industrial facilities

**Responsible Department/Parties:** Department of Public Works

**Measurable Goal(s):**

Quantify number of brochures distributed.

**Message Date(s):** 2021

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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):**

---

**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)** 2.1

**Location of Plan and/or Web Address:** DPW (Paper) &  
[http://www.uxbridge-ma.gov/Pages/UxbridgeMA\\_DPW/Stormwater](http://www.uxbridge-ma.gov/Pages/UxbridgeMA_DPW/Stormwater)

**Responsible Department/Parties:** Department of Public Works and Stormwater Committee

**Measurable Goal(s):**

Stormwater Management Plan is publicly available.

---

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

**BMP Number (Optional)** 2.2

**Description:**

Allow public to comment on stormwater management plan annually.

**Responsible Department/Parties:** Department of Public Works, Conservation Commission and Stormwater C

**Measurable Goal(s):**

Annual public input provided.

---

## **BMP: Service Request System, Tracks Incoming Questions/Comments from the Community**

**BMP Number (Optional)** 2.3

**Document Name and/or Web Address:** See Click Fix (Website) & Work Order System (Phone Calls)

**Description:**

Maintain DPW Phone Line for community questions, concerns, and reporting.

**Responsible Department/Parties:** Department of Public Works

**Measurable Goal(s):**

Track number of calls and issues presented.



---

**BMP: Stormwater Committee**

**BMP Number (Optional)** 2.4

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

**Description:**

Review procedures and regulations for MS4 compliance.

**Responsible Department/Parties:** Department of Public Works, Conservation Commission and Planning Board

**Measurable Goal(s):**

Ensure compliance with MS4 program.

---

**BMP: Storm Cleanup and Monitoring**

**BMP Number (Optional)** 2.5

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

**Description:**

Perform cleanup of trash and litter.

**Responsible Department/Parties:** Conservation Commission

**Measurable Goal(s):**

Two cleanups scheduled per year.

---

**BMP: Illegal Dumping Education and Citizen Reporting**

**BMP Number (Optional)** 2.6

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

**Description:**

Continue to provide education materials regarding illegal dumping and record quantity distributed.

**Responsible Department/Parties:** Department of Public Works

**Measurable Goal(s):**

Record number of reported incidents.

---

**BMP: Post Outfall Signage**

**BMP Number (Optional)** 2.7

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

**Description:**

Post signage at MS4 outfalls.

**Responsible Department/Parties:** Department of Public Works, Conservation Commission and Stormwater C

**Measurable Goal(s):**

Quantify number of signs installed.

---

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)** 3.1

**Completed** (by May 1, 2008) ☒

**Ordinances Link or Reference:** Stormwater Bylaw (Uxbridge General Bylaws, Chapter 290)

**Department Responsible for Enforcement:** Planning Board

---

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

**BMP Number (Optional)** 3.2

**Completed** (by year 1) ☒

**Document Name and/or Web Address:** Illicit Discharge Detection and Elimination (IDDE) Plan,  
Town of Uxbridge

**Description:**

Index of SSO's within the previous 5 years with all relevant information.

**Responsible Department/Parties:** Department of Public Works

**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)** 3.3

**Phase I Completed** ☒  
(by year 2)

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

**Document Location and/or Web Address:** [http://www.uxbridge-ma.gov/Pages/UxbridgeMA\\_DPW/Stormwater%20Atlas/SW%20Atlas.pdf](http://www.uxbridge-ma.gov/Pages/UxbridgeMA_DPW/Stormwater%20Atlas/SW%20Atlas.pdf)

**Description:**

See below.

**Responsible Department/Parties:** Department of Public Works

**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.

### **BMP: IDDE Program**

**BMP Number (Optional)** 3.4

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

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

**Description:**

Create written IDDE program. Implement catchment investigations according to program and permit conditions. Conduct dry weather and wet weather screening (as necessary). Conduct in accordance with outfall screening procedure and permit conditions.

**Responsible Department/Parties:** Department of Public Works

**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:**

---

**BMP: Employee Training**

**BMP Number (Optional)** 3.5

**Description:**

Train employees on IDDE implementation.

**Responsible Department/Parties:** Department of Public Works

**Measurable Goal(s):**

Training occurs annually. Training dates are logged within the IDDE Plan and are listed in the annual report.

---

**BMP: Conduct Dry Weather Screening**

**BMP Number (Optional)** 3.6

**Completed** ☒

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

**Description:**

Conduct in accordance with outfall screening procedure and permit conditions.

**Responsible Department/Parties:** Department of Public Works

**Measurable Goal(s):**

Complete 3 years after effective date of permit. Report sample results in each annual report.

### **BMP: Conduct Wet Weather Screening**

**BMP Number (Optional)** 3.7

**Completed** ☐

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

**Description:**

**Responsible Department/Parties:**

**Measurable Goal(s):**

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### **BMP: Ongoing Screening**

**BMP Number (Optional)** 3.8

**Completed** ☐

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

**Description:**

**Responsible Department/Parties:**

**Measurable Goal(s):**

---

# **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)** 4.1

**Completed** (by May 1, 2008) ☒

**Ordinances Link or Reference:** Stormwater Bylaw (General Bylaw) and Regulations

**Department Responsible for Enforcement:** DPW, Conservation Commission, Planning Board, & Stormwater Committee

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

**BMP Number (Optional)** 4.2

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

**Document Name and/or Web Address:** Zoning Bylaw, Stormwater Bylaw (General Bylaw) and Regulations

**Description:**

Complete written procedures of site plan review and begin implementation.

**Responsible Department/Parties:** DPW, Conservation Commission, Planning Board, & Stormwater Committ

**Measurable Goal(s):**

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

---

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

**BMP Number (Optional)** 4.3

**Completed** (by year 1) ☒

**Document Name and/or Web Address:** Stormwater Bylaw (General Bylaw) and Regulations

**Description:**

Complete written procedures of site inspections and enforcement procedures.

**Responsible Department/Parties:** DPW, Conservation Commission, Planning Board, & Stormwater Committ

**Measurable Goal(s):**

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

---

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

**BMP Number (Optional)** 4.4

**Completed** ☒

**Document Name and/or Web Address:** Stormwater Bylaw (General Bylaw) and Regulations

**Description:**

Adoption of requirements for construction operators to implement a sediment and erosion control program.

**Responsible Department/Parties:** DPW, Conservation Commission, Planning Board, & Stormwater Committ

**Measurable Goal(s):**

Complete within 1 year of the effective date of permit.

---

**BMP:Waste Control**

**BMP Number (Optional)** 4.5

**Completed** ☒

**Document Name and/or Web Address:** Stormwater Bylaw (General Bylaw) and Regulations

**Description:**

Adoption of requirements to control wastes, including but not limited to, discarded building materials, concrete truck wash out, chemicals, litter, and sanitary wastes.

**Responsible Department/Parties:** DPW, Conservation Commission, Planning Board, & Board of Health

**Measurable Goal(s):**

Complete within 1 year of the effective date of permit.

---

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)** 5.1

**Completed** (by year 2) ☐

**Town Ordinances Link or Reference:** \*\*\* Delayed due to EPA extension and Covid 19. See Year 2 annual report. As reported in year 3, regulations were updated to be in compliance and presented to the Planning Board (Stormwater Authority in Uxbridge) for adoption. The Planning Board did not accept the regulations as it is felt the regulations of the town should reference the state regulations, which have not been updated.

**Department Responsible for Enforcement:** Conservation Commission and Planning Board

---

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

**BMP Number (Optional)** 5.2

**Completed** (by year 4) ☒

**Document Name and/or Web Address:** Low Impact Development Bylaw Analysis

**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 low impact design options.

**Responsible Department/Parties:** SW Committee, Planning Board, Conservation Commission, and DPW

**Measurable Goal(s):**

Recommendations are implemented by (DATE) with progress reported annually.

---

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

**BMP Number (Optional)** 5.3

**Completed** (by year 4) ☒

**Document Name and/or Web Address:** Low Impact Development Bylaw Analysis

**Description:**

Develop a report assessing existing local regulations to determine the feasibility of making green infrastructure practices allowable when appropriate site conditions exist.

**Responsible Department/Parties:** Stormwater Committee, DPW, Conservation Commission, & Planning Board

**Measurable Goal(s):**

Recommendations are implemented by year 4 with progress reported annually.

---

---

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

**BMP Number (Optional)** 5.4

**Completed** (by year 4) ☒

**Document Name and/or Web Address:** Green Infrastructure Assessment

**Description:**

Identify at least 5 permittee-owned properties that could be modified or retrofitted with BMPs to reduce impervious areas and update annually.

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

**Measurable Goal(s):**

The list is completed by year 4 and updated as needed.

---

### **BMP:As-built Plans for On-site Stormwater Control**

**BMP Number (Optional)** 5.5

**Completed** ☐

**Document Name and/or Web Address:** Stormwater Bylaw (General Bylaw) and Regulations

**Description:**

The procedures to require submission of as-built drawings and ensure long term operation and maintenance will be a part of the SWMP.

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

**Measurable Goal(s):**

Require submission of as-built plans for completed projects.

---

### **BMP: Stormwater Controls Compliance Check**

**BMP Number (Optional)** 5.6

**Completed** ☐

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

**Description:**

Ensure any stormwater controls or management practices for new development and redevelopment meet the retention or treatment requirements of the permit and all applicable requirements of the Massachusetts

Stormwater Handbook. Adoption, amendment, or modification of a regulatory mechanism to meet permit requirements. Include LID and BMP strategies.

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

**Measurable Goal(s):**

Complete 2 years after effective date of permit.  
\*\*\*Delayed due to EPA extension and Covid 19. See Year 2 annual report.

---

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) 6.1

Written Document Completed (by year 2) ☒

Document Name and/or Web Address: SOP 19: Operations and Maintenance of Parks and Open Space

**Description:**

Create written O&M procedures including all requirements contained in 2.3.7.a.ii for parks and open spaces.

Responsible Department/Parties: Department of Public Works

**Measurable Goal(s):**

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

**Properties List (Optional):**

---

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

BMP Number (Optional) 6.2

Written Document Completed (by year 2) ☒

Document Name and/or Web Address: SOP 20: Operations and Maintenance of Municipal Buildings and Facilities

**Description:**

Create written O&M procedures including all requirements contained in 2.3.7.a.ii for buildings and facilities.

Responsible Department/Parties: Department of Public Works

**Measurable Goal(s):**

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

**Properties List (Optional):**

---

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

BMP Number (Optional) 6.3

Written Document Completed (by year 2) ☒



**Document Name and/or Web Address:** SOP 21: Operations and Maintenance of Municipal Vehicles and Equipment

**Description:**

Create written O&M procedures including all requirements contained in 2.3.7.a.ii for vehicles and equipment.

**Responsible Department/Parties:** Department of Public Works

**Measurable Goal(s):**

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

**Properties List (Optional):**

---

## INFRASTRUCTURE

### BMP: Infrastructure Operations and Maintenance Procedures

**BMP Number (Optional)** 6.4

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

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

**Description:**

Establish and implement program for repair and rehabilitation of MS4 infrastructure.

**Responsible Department/Parties:** Department of Public Works

**Measurable Goal(s):**

100% of infrastructure is maintained to ensure proper function in accordance with the procedures above. Utilize SOP's listed above and below to achieve this goal.

---

### BMP: Catch Basin Cleaning Program

**BMP Number (Optional)** 6.5

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

**Document Name and/or Web Address:** SOP 3: Catch Basin Inspection and Cleaning

**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.

**Responsible Department/Parties:** Department of Public Works

**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)** 6.6**Written Procedure Completed** (by year 1) ☒**Document Name and/or Web Address:** SOP 16: Streets and Parking Lots**Description:**

Sweep all streets and permittee-owned parking lots in accordance with permit conditions.

**Responsible Department/Parties:** Department of Public Works**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)** 6.7**Written Procedure Completed** (by year 1) ☒**Document Name and/or Web Address:** SOP 18: Winter Road Maintenance**Description:**

Establish and implement a program to minimize the use of road salt.

**Responsible Department/Parties:** Department of Public Works**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)** 6.8**Completed** (by year 1) ☒**Document Name and/or Web Address:** SOP 9: Inspection and Maintenance of Structural Stormwater Best Management Practices (BMP)

**Description:**

Establish and implement inspection and maintenance procedures and frequencies.

**Responsible Department/Parties:** Department of Public Works

**Measurable Goal(s):**

Inspect and maintain 100% of treatment structures to ensure proper function.

---

**BMP: SWPPP**

**BMP Number (Optional)** 6.9

**Completed** (by year 2) ☒

**Document Name and/or Web Address:** Stormwater Pollution Prevention Plan:  
DPW Administration, Highway & Maintenance Facility  
DPW Compost Facility

**Description:**

Create SWPPPs for maintenance garages, transfer stations, and other waste-handling facilities.

**Responsible Department/Parties:** Department of Public Works

**Measurable Goal(s):**

Develop and implement SWPPPs for 100% of facilities.

---

**BMP:Inventory All Permittee-owned Parks, Open Spaces, Buildings, Facilities, Vehicles and Equipment**

**BMP Number (Optional)** 6.10

**Completed** ☒

**Document Name and/or Web Address:** Town Owned Property Inventory & Fleet Inventory

**Description:**

Create inventory.

**Responsible Department/Parties:** Department of Public Works

**Measurable Goal(s):**

Complete 2 years after effective date of permit and implement annually.

Add BMP

# Annual Evaluation

## Year 1 Annual Report

Document Name and/or Web Address:

## Year 2 Annual Report

Document Name and/or Web Address:

## 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
Blackstone River MA 51-04		<input type="button" value="+"/> <input type="button" value="-"/>
Blackstone River MA 51-05		<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:

BMP 3.3, 3.4

### *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 1.1, 1.2, 1.3

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 1.1

-----  
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 1.1, 1.2, 1.3



# Chloride

Applicable Receiving Waterbody(ies)	TMDL Name (if applicable)	Add/Delete Row
West River MA 51-12		<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:

BMP 3.3, 3.4

## *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:

BMP 1.2

## 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
Blackstone River MA 51-05		<input type="button" value="+"/> <input type="button" value="-"/>
Blackstone River MA 51-04		<input type="button" value="+"/> <input type="button" value="-"/>
Mumford River MA 51-14		<input type="button" value="+"/> <input type="button" value="-"/>
West River MA 51-12		<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:

BMP 3.3, 3.4

### *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:

BMP 6.6

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:

BMP 6.5

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:

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# Phosphorus

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

Applicable Receiving Waterbody(ies)	TMDL Name (if applicable)	Add/Delete Row
Blackstone River MA 51-05		<input type="button" value="+"/> <input type="button" value="-"/>
Blackstone River MA 51-04		<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:

BMP 3.3, 3.4

### *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:

BMP 1.1, 1.2

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:

BMP 1.1, 1.2

---

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:

BMP 1.1, 1.2

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

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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:

BMP 6.6

---

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:

BMP 6.1 (YEAR 2)

#### *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:

BMP 5.4 (YEAR 4)

#### *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 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:

BMP 5.4 (YEAR 5)

#### 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:

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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: