

Stormwater Management Program (SWMP)

Town of Stoneham

16 Pine Street Stoneham, MA 02180

EPA NPDES Permit Number MA041062

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

Signature

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)

The Town of Stoneham has completed the following IDDE program activities consistent with MS4 Permit requirements and the 2009 Administrative Order:

- Developed a map of the stormwater system including catch basins, manholes, pipes, outfalls and receiving waters.
- Developed and maintained an inventory of outfalls and intermunicipal connections, and an inventory of sanitary sewer overflows.
- Conducted comprehensive outfall screening and catchment area investigations for compliance with the 2003 MS4 Permit and the 2009 AO. The Town continues to investigate priority catchment areas, particularly along Sweetwater Brook.

Small MS4 Authorization

The NOI was submitted on

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

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="Brett Gonsalves"/>	Title	<input type="text" value="Director"/>
Department	<input type="text" value="Department of Public Works"/>		
Phone Number	<input type="text" value="781-507-2575"/>	Email	<input type="text" value="BGonsalves@stoneham-ma.gov"/>
Responsibilities	<input type="text"/>		

SWMP Team

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

Name	<input type="text"/>	Title	<input type="text"/>
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:

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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
Crystal Lake MA93018	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"/>	
Spot Pond MA71039		<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"/>	Town contributes to system owned by MassDOT / DCR; No direct outfalls owned
Aberjona River Tributary Wetland	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"/>	
Discharges Overland	11	<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"/>	
Dixie Pond	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"/>	
Doleful Pond	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"/>	
Spot Pond Brook	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"/>	
Sweetwater Brook	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"/>	<input type="checkbox"/>	
Sweetwater Brook Culvert	18	<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"/>	
Unnamed Brook	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"/>	
Unnamed Wetland	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"/>	
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		<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. There have been no changes from previous permit.
- 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)

USFW IPaC Process Output

- Publicly available at the website listed below

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):

NA

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):

No changes from previous MS4 permit, as related to historic preservation.

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: Dog Waste Pamphlet

BMP Number (Optional) 1-1

Document Name and/or Web Address:

Description:

Pamphlet on dog waste will be distributed to residents applying for a dog license in town.

Targeted Audience:

Responsible Department/Parties:

Measurable Goal(s):

Number of Licenses Issued

Message Date(s):

BMP: Dumpster Storage Pamphlet for Businesses

BMP Number (Optional) 1-2

Document Name and/or Web Address: <https://www.stoneham-ma.gov/252/Stormwater>

Description:

Pamphlet on proper dumpster storage and protection will be distributed to businesses applying for a permit from the health department.

Targeted Audience:

Responsible Department/Parties:

Measurable Goal(s):

Number of Permits Issued

Message Date(s):

BMP: Erosion Control Pamphlet for Construction

BMP Number (Optional) 1-3

Document Name and/or Web Address: <https://www.stoneham-ma.gov/252/Stormwater>

Description:

Pamphlet on erosion and sediment control will be provided to developers when they obtain a permit.

Targeted Audience: Developers (construction)

Responsible Department/Parties: DPW / Engineering

Measurable Goal(s):

Number of permits issued.

Message Date(s):

BMP: Spill Prevention Web Page

BMP Number (Optional) 1-4 _____

Document Name and/or Web Address:

Description:

Post information for facilities on spill prevention on the Town's website.

Targeted Audience: Industrial facilities

Responsible Department/Parties: DPW Operations

Measurable Goal(s):

Website Visits

Message Date(s):

BMP: Stormwater Infiltration Meeting for Businesses

BMP Number (Optional) 1-5 _____

Document Name and/or Web Address:

Description:

Meeting for on-site stormwater infiltration and sweeping.

Targeted Audience: Businesses, institutions and commercial facilities

Responsible Department/Parties: DPW Operations

Measurable Goal(s):

Number of Attendees to meeting.

Message Date(s):

BMP: Yard Waste Disposal Pamphlet

BMP Number (Optional) 1-6 _____

Document Name and/or Web Address:

Description:

Develop and distribute a pamphlet on leaf and landscape materials and their disposal to residents picking up recycling stickers.

Targeted Audience: Residents

Responsible Department/Parties: DPW Operations

Measurable Goal(s):

Number of recycling stickers issued.

Message Date(s):

BMP: Stormwater Infiltration Meeting for Developers

BMP Number (Optional) 1-7 _____

Document Name and/or Web Address:

Description:

Meeting for on-site stormwater infiltration and sweeping.

Targeted Audience: Developers (construction)

Responsible Department/Parties: DPW Operations

Measurable Goal(s):

Number of Attendees.

Message Date(s):

BMP: PSA on Lawn Maintenance- Residents

BMP Number (Optional) 1-8 _____

Document Name and/or Web Address: <https://www.stoneham-ma.gov/252/Stormwater>

Description:

Local Public Service Announcement on Lawn maintenance.

Targeted Audience: Residents

Responsible Department/Parties: DPW Operations

Measurable Goal(s):

Months Run on TV

Message Date(s):

BMP: PSA on Lawn Maintenance- Businesses

BMP Number (Optional) 1-9 _____

Document Name and/or Web Address:

Description:

Local Public Service Announcements on Lawn maintenance.

Targeted Audience: Businesses, institutions and commercial facilities

Responsible Department/Parties: DPW Operations

Measurable Goal(s):

Months Run on TV

Message Date(s):

BMP: PSA on Lawn Maintenance- Developers

BMP Number (Optional) 1-10 _____

Document Name and/or Web Address:

Description:

Local Public Service Announcements on Lawn maintenance.

Targeted Audience: Developers (construction)

Responsible Department/Parties: DPW Operations

Measurable Goal(s):

Months Run on TV.

Message Date(s):

BMP: Materials Handling Flyer

BMP Number (Optional) 1-11 _____

Document Name and/or Web Address:

Description:

Post information on materials handling for industrial facilities on Town's website.

Targeted Audience: Industrial facilities

Responsible Department/Parties: DPW Operations

Measurable Goal(s):

Website visits.

Message Date(s):

BMP: Phosphorus Web page

BMP Number (Optional) 1-12 _____

Document Name and/or Web Address:

<https://www.stoneham-ma.gov/252/Stormwater>

Description:

Web page to post throughout the year to cover requirements of Appendix H

Targeted Audience: Residents and Business/Commercial/Industrial

Responsible Department/Parties: DPW Operations

Measurable Goal(s):

Website visits.

Message Date(s): Posts in spring, summer and fall each year.

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:

Responsible Department/Parties:

Measurable Goal(s):

BMP: Public Participation in Stormwater Management Program Development

BMP Number (Optional) 2-2 _____

Description:

Responsible Department/Parties:

Measurable Goal(s):

BMP: Roadside Cleanup

BMP Number (Optional) 2-3 _____

Document Name and/or Web Address:

Description:

Responsible Department/Parties:

Measurable Goal(s):

BMP: Household Hazardous Waste Collection

BMP Number (Optional) 2-4 _____

Document Name and/or Web Address:

Description:

Set up day to collect household hazardous waste and used oil from residents.

Responsible Department/Parties: DPW Operations

Measurable Goal(s):

Number of Attendees

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:

Department Responsible for Enforcement:

BMP: Sanitary Sewer Overflow (SSO) Inventory

BMP Number (Optional) 3-2

Completed (by year 1)

Document Name and/or Web Address:

Description:

The Town of Stoneham, MA has developed and maintained an SSO inventory since 2010 in accordance with the EPA Administrative Order issued in August 2009. This inventory meets the MS4 permit criteria and is considered complete. It is updated as SSOs occur.

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.

The MassDEP contacts are: Northeast Region (978) 694-3215 205B Lowell Street Wilmington, MA 01887	The EPA contacts are: EPA New England (617) 918-1510 5 Post Office Square Boston, MA 02109
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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:

Description:

Continue to update map of the storm sewer system during IDDE program completion and to meet MS4 permit deadlines.

Responsible Department/Parties: DPW / External Contractor

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: _____

Description:

A written IDDE Plan was developed in 2010 in compliance with the EPA Administrative Order issued to the Town in August 2009. This IDDE Plan has been updated to meet this MS4 permit and to reflect the most recent IDDE Priorities.

Responsible Department/Parties: Engineering

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 new IDDE program and implementation. Annually, the Town provides training on IDDE. In 2020, the DPW Director and Deputy Director were trained in person. Due to COVID-19 gathering restrictions, the Town is waiting to schedule in-person training of additional DPW personnel.

Responsible Department/Parties: Engineering

Measurable Goal(s):

Number of personnel trained each year.

BMP: Dry Weather Screening

BMP Number (Optional) 3-6 _____ **Completed**

Document Name and/or Web Address: _____

Description:

Conduct dry weather screening in accordance with outfall screening procedures and permit conditions.

Responsible Department/Parties: DPW / External Contractor

Measurable Goal(s):

Complete dry weather screening within 3 years of effective permit date. As of June 30, 2020, all stormwater outfalls have been screened during dry weather, in accordance with outfall screening procedures and permit conditions.

BMP: Wet Weather Screening

BMP Number (Optional) 3-7 _____ **Completed**

Document Name and/or Web Address: _____

Description:

Wet weather screening has been completed in certain catchment areas as part of the Administrative Order issued in August 2009. The Town will review the wet weather screening locations and results for consistency with the MS4 permit.

Responsible Department/Parties: External Contractor

Measurable Goal(s):

Complete wet weather screening within 10 years after effective permit date.

BMP: Ongoing Screening

BMP Number (Optional) 3-8 _____ **Completed**

Document Name and/or Web Address:

Description:

Conduct dry and wet weather screening as necessary after the completion of the IDDE program.

Responsible Department/Parties:

Measurable Goal(s):

Completing as necessary ongoing screening.

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:

Department Responsible for Enforcement:

BMP: Site Plan Review Procedures

BMP Number (Optional) 4-2

Written procedures completed (by year 1)

Document Name and/or Web Address:

Description:

Responsible Department/Parties:

Measurable Goal(s):

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:

Description:

Responsible Department/Parties:

Measurable Goal(s):

BMP: Waste Control

BMP Number (Optional) 4-4

Completed

Document Name and/or Web Address:

Description:

Responsible Department/Parties:

Measurable Goal(s):

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:

Department Responsible for Enforcement:

BMP: Street Design and Parking Lot Guidelines Report

BMP Number (Optional) 5-2

Completed (by year 4)

Document Name and/or Web Address:

Description:

Responsible Department/Parties:

Measurable Goal(s):

BMP: Green Infrastructure Report

BMP Number (Optional) 5-3

Completed (by year 4)

Document Name and/or Web Address:

Description:

Responsible Department/Parties:

Measurable Goal(s):

BMP: List of Municipal Retrofit Opportunities

BMP Number (Optional) 5-4 _____

Completed (by year 4)

Document Name and/or Web Address:

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:

Measurable Goal(s):

The list is completed by 4 years from effective date of permit and updated as needed.

BMP: As-Built Plans for Stormwater Control

BMP Number (Optional) 5-5 _____

Completed

Document Name and/or Web Address:

Description:

Review and potentially make updates to the existing procedures to require submission of as-built drawings and ensure long term operation and maintenance.

Responsible Department/Parties:

Measurable Goal(s):

Require submission of as-built plans for completed projects

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: <https://www.stoneham-ma.gov/252/Stormwater>

Description:

The Town has developed a document titled: *Stormwater Management Manual – Operations and Maintenance for Municipal Facilities* for compliance written O&M procedures and requirements contained in 2.3.7.a.ii for parks and open spaces.

Responsible Department/Parties: Parks/Recreation

Measurable Goal(s):

Implement the SOP listed above on 100% of the parks and open spaces 2 years after effective permit date.

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: <https://www.stoneham-ma.gov/252/Stormwater>

Description:

The Town has developed a document titled: *Stormwater Management Manual – Operations and Maintenance for Municipal Facilities* for compliance written O&M procedures and requirements contained in 2.3.7.a.ii for buildings and facilities.

Responsible Department/Parties: Engineering

Measurable Goal(s):

Implement the SOP listed above on 100% of buildings and facilities 2 years after effective permit date.

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: <https://www.stoneham-ma.gov/252/Stormwater>

Description:

The Town has developed a document titled: *Stormwater Management Manual – Operations and Maintenance for Municipal Facilities* for compliance written O&M procedures and requirements contained in 2.3.7.a.ii for vehicles and equipment

Responsible Department/Parties: DPW

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: <https://www.stoneham-ma.gov/252/Stormwater>

Description:

Establish and implement program for repair and rehabilitation of MS4 infrastructure. The Town has developed a document titled: *Stormwater Management Manual – Operations and Maintenance for Municipal Facilities*.

Responsible Department/Parties: Engineering

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) 6-5 **Written Procedure Completed (by year 1)**

Document Name and/or Web Address:

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: DPW Operations

Measurable Goal(s):

All catch basins are cleaned in accordance with the permit such that no catch basin is more than 50% full at any given time. Clean catch basins on an established schedule and report the number of cleaned catch basins and volume of material moved annually.

BMP: Street Sweeping Program

BMP Number (Optional) 6-6

Written Procedure Completed (by year 1)

Document Name and/or Web Address:

Description:

Sweep all streets and permittee-owned parking lots twice per year in accordance with permit requirements.

Responsible Department/Parties: DPW Operations

Measurable Goal(s):

Sweep 100% of all streets and municipal parking lots twice per year (fall and spring).

BMP: Winter Road Maintenance Program

BMP Number (Optional) 6-7

Written Procedure Completed (by year 1)

Document Name and/or Web Address:

Description:

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

Responsible Department/Parties: DPW Operations

Measurable Goal(s):

Implement salt use optimization during deicing season.

BMP: Stormwater Treatment Structures Inspection and Maintenance Procedures

BMP Number (Optional) 6-8

Completed (by year 1)

Document Name and/or Web Address:

<https://www.stoneham-ma.gov/252/Stormwater>

Description:

Establish and implement inspection and maintenance procedures and frequencies. The Town has developed a document titled: *Stormwater Management Manual – Operations and Maintenance for Municipal Facilities*.

Responsible Department/Parties: Engineering

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: <https://www.stoneham-ma.gov/252/Stormwater>

Description:

Create SWPPPs for maintenance garages, transfer stations, and other waste-handling facilities. The Town has developed a document titled: *Stormwater Management Manual – Operations and Maintenance for Municipal Facilities*. which includes SWPPPs for appropriate facilities..

Responsible Department/Parties: Engineering

Measurable Goal(s):

Develop and implement SWPPPs for 100% of facilities 2 years after effective permit date.

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://www.stoneham-ma.gov/252/Stormwater>

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](#)

Phosphorus

Combination of Impaired Waters Requirements and TMDL Requirements as Applicable

Applicable Receiving Waterbody(ies)	TMDL Name (if applicable)	Add/Delete Row
All Waterbodies Tributary to Aberjona River (MA71-01_2008)		<input type="checkbox"/> <input type="checkbox"/>

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:

Relevant BMP numbers in the program include: 1-6, 1-8, 1-9, 1-10, 1-12

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:

Relevant BMP numbers in the program include: 1-1

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:

Relevant BMP numbers in the program include: 1-6, 1-8, 1-9, 1-10, 1-12

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:

Relevant BMP numbers in the program include: 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:

Relevant BMP numbers in the program include: 6-1, 6-2

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 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:

Relevant BMP numbers in the program include: 5-3, 5-4

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:

No structural BMPs are existing or have been installed.

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:

Relevant BMP numbers in the program include: 5-1

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:

Relevant BMP numbers in the program include: 5-3, 5-4

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: