

Stormwater Management Program (SWMP)

Paxton

697 Pleasant Street MA 01612

EPA NPDES Permit Number MAR04148

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)

Small MS4 Authorization

The NOI was submitted on Sep 27, 2018

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

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

Authorization to Discharge was granted on June 4, 2019

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

<https://www3.epa.gov/region1/npdes/stormwater/ma/tms4noi/paxton-auth.pdf>

Stormwater Management Program Team

SWMP Team Coordinator

Name	Carol L. Riches	Title	Town Administrator
Department	Board of Selectmen		
Phone Number	508-754-7638	Email	criches@townofpaxton.net
Responsibilities	MCM 1; MCM 2; MCM 3; MCM 4; MCM 5; MCM 6		

SWMP Team

Name	Mia McDonald	Title	Conservation Agent
Department	Conservation Commission		
Phone Number	508-753-2803, ext. 11	Email	conservation@townofpaxton.net
Responsibilities	MCM 1; MCM 2		

Name	Sheryl Lombardi	Title	Town Services Coordinator
Department	Board of Health		
Phone Number	508-753-2803, ext. 11	Email	slombardi@townofpaxton.net
Responsibilities	MCM 1		

Name	Neil Bagdis	Title	Chairperson
Department	Planning Board		
Phone Number	508-754-7638 ext. 11	Email	nbagdis@charter.net
Responsibilities	MCM 1; MCM 4; MCM 5		

Name	Travis Thibault	Title	DPW Director
Department	Department of Public Works		
Phone Number	508-753-9077	Email	tthibault@townofpaxton.net
Responsibilities	MCM 1; MCM 3; MCM 5; MCM 6		

Name		Title	
Department			
Phone Number		Email	
Responsibilities			

Add SWMP Member

Receiving Waters

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

OR

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

Waterbody segment that receives flow from the MSA	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
Bumbo Brook	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"/>	
Unnamed Wetland Complex draining to Eames Pond crossing West St & Davis Hill Rd	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"/>	Long Island Sound N TMDL
Unnamed Wetland Complex, S of Elizabeth Ln	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"/>	
Unnamed Wetland draining to Asnebunskit 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"/>	Long Island Sound N TMDL
Unnamed Wetland Draining to Eames 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"/>	
Unnamed Wetland draining to Lynde 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"/>	
Unnamed Wetland S of Holden Rd	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"/>	
UNT to Asnebunskit Pond crossing Holden Rd at Bel Arbor Dr	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"/>	
UNT to Cook's Pond (Worcester) crossing Old Lantern Circle, Paxton	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"/>	
UNT to Holden Reservoir 2, E of Camp St & Howard St	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"/>	
UNT to Kettle Brook N of Briarcliff Ln	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"/>	
UNT to Kettle Brook Reservoir crossing Alderwood Rd	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"/>	
UNT to Kettle Brook Reservoir crossing Birchwood Rd	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"/>	

UNT to Kettle Brook Reservoir crossing Pleasant St @ Reservoir Dr	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"/>								
UNT to Lynds 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"/>								
UNT to Southwick Pond crossing Pleasant St W of Crystal St	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"/>	N Blackstone Lakes P TMDL							
Waterbody segment that receives flow from the MS4	Number of outfalls into receiving water segment	Chloride	<input type="checkbox"/>	Dissolved Oxygen/DO Saturation	<input type="checkbox"/>	Nitrogen	<input type="checkbox"/>	Oil & Grease/PAH	<input type="checkbox"/>	Phosphorus	<input type="checkbox"/>	Solids/ TSS/ Turbidity	<input type="checkbox"/>	E. coli	<input type="checkbox"/>	Enterococcus	Other pollutant(s) causing impairments
		Chlorophyll-a	<input type="checkbox"/>														
UNT to Southwick Pond, S of Cutler Rd	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"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N Blackstone Lakes P TMDL	
UNT to Southwick Pond, SE of Cutler Rd	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"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N Blackstone Lakes P TMDL	
UNT to Turkey Hill Brook crossing West St and South St	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"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Long Island Sound N TMDL	
UNT to Unnamed Pond between Davis Hill Rd & Arrowhead Dr	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"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
UNT to Unnamed Pond west of Asnebunskit Rd	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"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
UNT to Unnamed Pond west of Asnebunskit Rd crossing Knollwood Rd	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"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
UNT to Unnamed Pond west of Asnebunskit Rd, crossing Grove St	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"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
UNT to Unnamed Pond west of Asnebunskit Rd, E of Grove St	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"/>	<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

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

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: Pet Waste Flyers at Paxton Days

BMP Number (Optional) PE-1

Document Name and/or Web Address: DCR Residents Pet Waste Flyer

Description:

The DCR Pet Waste Flyer will be available at Paxton Days in June. The flyer explains why pet waste is a concern for water quality and encourages owners to pick up after their pets.

Targeted Audience: Residents

Responsible Department/Parties: Town Manager/Mayor's Office

Measurable Goal(s):

Number of post views, shares, and likes.

Message Date(s): Annually in the summer.

BMP:Flyer Distribution

BMP Number (Optional) PE-2

Document Name and/or Web Address: Think Blue Parking Lot Infographic

Description:

A flyer describing ways that businesses can reduce stormwater will be included in tax bills or by special mailing to businesses, institutions, and commercial facilities. Tips include frequently sweeping parking lots, keeping trash barrels covered, and maintaining stormwater structures frequently.

Targeted Audience: Businesses, institutions and commercial facilities

Responsible Department/Parties: Health Department

Measurable Goal(s):

Number of businesses receiving mailing.

Message Date(s): Annually with tax bill mailing.

BMP:Flyer Distribution

BMP Number (Optional) PE-3

Document Name and/or Web Address: Think Blue Developers Sediment Control Flyer

Description:

A flyer describing the importance of erosion controls for construction sites will be distributed with every approved construction permit.

Targeted Audience: Developers (construction)

Responsible Department/Parties: Town Manager/Mayor's Office

Measurable Goal(s):

Number of flyers distributed, measured as number of construction permits issued per year.

Message Date(s): Rolling throughout the year.

BMP:Flyer Distribution

BMP Number (Optional) PE-4

Document Name and/or Web Address: Think Blue Materials Handling Flyer

Description:

A flyer describing ways that industrial site owners can reduce stormwater pollution will be distributed to every industrial facility with a NPDES permit. Tips include how to properly store and dispose of hazardous materials and how to minimize leaks and spills.

Targeted Audience: Industrial facilities

Responsible Department/Parties: Town Administrator

Measurable Goal(s):

Number of flyers distributed, measured as number of facilities with NPDES permits.

Message Date(s): Annually in the spring

BMP:Flyer Distribution with Town Census

BMP Number (Optional) PE-5

Document Name and/or Web Address: Clean Water Begins With You, Lets Think Blue/Be a Leaf Hero

Description:

A double sided flyer describing the negative effects of pet waste on water quality and why not to blow leaves

and debris into the street will be distributed to every resident with the Town census form.

Targeted Audience: Residents

Responsible Department/Parties: Town Administrator

Measurable Goal(s):

Message Date(s): Annually at Town Census (January)

BMP: Shared Social Media Post

BMP Number (Optional) PE-6

Document Name and/or Web Address: Think Blue Business Waste Disposal Social Media Post

Description:

A social media post will be shared on the Town of Paxton's Facebook page annually in the fall. The social media post reminds business owners to keep dumpsters covered to keep water clean and provides a link to the Think Blue Massachusetts website.

Targeted Audience: Businesses, institutions and commercial facilities

Responsible Department/Parties: Town Administrator

Measurable Goal(s):

Number of post views, shares, and likes.

Message Date(s): Annually in the fall.

BMP: Press Release

BMP Number (Optional) PE-7

Document Name and/or Web Address: Think Blue Developers Sediment Control Press Release

Description:

A press release about the importance of erosion control on construction sites to prevent stormwater pollution will be posted to the Developers information section of the Town's Stormwater website.

Targeted Audience: Developers (construction)

Responsible Department/Parties: Conservation Committee

Measurable Goal(s):

Number of visitors to the Town's stormwater information page for developers.

Message Date(s): Annually in the fall.

BMP: Oil and Grease web post

BMP Number (Optional) PE-8

Document Name and/or Web Address: "Gas, Oil and Grease...Oh My!"

Description:

A web post detailing proper handling of gas, oil, and grease for spill prevention, particularly as related to vehicle maintenance, will be posted on the Town website to reach industrial facilities.

Targeted Audience: Industrial facilities

Responsible Department/Parties: DPW Operations

Measurable Goal(s):

Number of flyers distributed, measured as number of NPDES permits.

Message Date(s): Annually

BMP: Post to Town Website/ Shared Social Media Post

BMP Number (Optional) PE-9

Document Name and/or Web Address: Think Blue Landscaping Infographic

Description:

A flyer describing lawn and garden tips to reduce stormwater pollution will be posted on the Town of Paxton website. The link to the flyer will be shared on social media twice a year (once in the spring and once in the fall). This flyer discusses proper disposal of yard waste (grass clippings and leaf litter) and fertilizer use.

Targeted Audience: Residents

Responsible Department/Parties: Town Administrator

Measurable Goal(s):

Number of post views, shares, and likes.

Message Date(s): Twice annually in the spring and the fall.

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) PP-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) PP-2

Description:

Responsible Department/Parties:

Measurable Goal(s):

BMP: Public Participation of Reporting Problems/violations via Hotline/Webline

BMP Number (Optional) PP-3

Document Name and/or Web Address:

Description:

Responsible Department/Parties:

Measurable Goal(s):

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) **ID-1** _____

Completed (by May 1, 2008) ☒

Ordinances Link or Reference: <https://www.townofpaxton.net/stormwater-awareness>

Department Responsible for Enforcement: Town Administrator and DPW

BMP: Sanitary Sewer Overflow (SSO) Inventory

BMP Number (Optional) **ID-2** _____

Completed (by year 1) ☒

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

Description:

Develop SSO inventory in accordance of permit conditions and update annually. Note that the Town of Paxton has no municipal sanitary sewer system and therefore SSO's are not a current concern and no SSOs have discharged to the MS4 within the 5 years prior to the permit effective date.

Responsible Department/Parties: DPW Operations

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: Central Region (508) 792-7650 8 New Bond Street Worcester, MA 01606	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) **ID-3** _____

Phase I Completed ☐
(by year 2)

Phase II Completed ☐
(by year 10)

Document Location and/or Web Address: <https://www.townofpaxton.net/stormwater-awareness>

Description:

Create map of outfalls, receiving waters, open channel conveyances, interconnections, catch basins, municipally-owned BMPs, catchment delineations, and drainage manholes in the Town of Paxton and update during IDDE program completion.

Responsible Department/Parties: DPW Operations

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) ID-4

Written Document Completed (by year 1) ☐

Document Name and/or Web Address: Illicit Discharge Detection and Elimination (IDDE) Plan

Description:

Create written IDDE program, implement IDDE program and conduct outfall screening. Complete initial outfall ranking.

Responsible Department/Parties: Town Manager/Mayor's Office

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) ID-5

Description:

Train employees on IDDE implementation.

Responsible Department/Parties:	DPW Operations
Measurable Goal(s): Training occurs annually.	

BMP:

BMP Number (Optional) _____	Completed <input type="checkbox"/>
Document Name and/or Web Address:	
Description: 	
Responsible Department/Parties:	
Measurable Goal(s): 	

BMP:

BMP Number (Optional) _____	Completed <input type="checkbox"/>
Document Name and/or Web Address:	
Description: 	
Responsible Department/Parties:	
Measurable Goal(s): 	

BMP:

BMP Number (Optional) _____

Completed ☐

Document Name and/or Web Address:

Description:

Responsible Department/Parties:

Measurable Goal(s):

Add BMP

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) CS-1

Completed (by May 1, 2008) ☒

Ordinances Link or Reference: <https://www.townofpaxton.net/stormwater-awareness>

Department Responsible for Enforcement: Planning Board

BMP: Site Plan Review Procedures

BMP Number (Optional) CS-2

Written procedures completed (by year 1) ☐

Document Name and/or Web Address:

Description:

Complete written procedures of site plan review and begin implementation

Responsible Department/Parties: Planning/zoning Department

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) CS-3

Completed (by year 1) ☐

Document Name and/or Web Address:

Description:

Complete written procedures of site inspections and enforcement procedures

Responsible Department/Parties: Town Administrator

Measurable Goal(s):

Inspect 100% of construction sites and take enforcement actions as needed.

BMP:Waste Control

BMP Number (Optional) CS-4

Completed ☐

Document Name and/or Web Address:

Description:

Adoption of requirements to control wastes, including but not limited to, discarded building materials, chemicals, litter, and sanitary washes

Responsible Department/Parties:

Measurable Goal(s):

Complete within 3 years 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) PC-1

Completed (by year 2) ☐

Town Ordinances Link or Reference: <https://www.townofpaxton.net/stormwater-awareness>

Department Responsible for Enforcement: Town Administrator and Planning Board

BMP: Street Design and Parking Lot Guidelines Report

BMP Number (Optional) PC-2

Completed (by year 4) ☐

Document Name and/or Web Address:

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: Town Administrator

Measurable Goal(s):

Recommendations are implemented by July 1, 2021 with progress reported annually.

BMP: Green Infrastructure Report

BMP Number (Optional) PC-3

Completed (by year 4) ☐

Document Name and/or Web Address:

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: Town Manager/Mayor's Office

Measurable Goal(s):

Recommendations are implemented by July 1, 2021 with progress reported annually.

BMP: List of Municipal Retrofit Opportunities

BMP Number (Optional) PC-4

Completed (by year 4) ☐

Document Name and/or Web Address: <https://www.townofpaxton.net/stormwater-awareness>

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: Town Administrator

Measurable Goal(s):

The list is completed by July 1, 2021 and updated as needed.

BMP:As-built plans for on-site stormwater control

BMP Number (Optional) PC-5

Completed ☐

Document Name and/or Web Address:

Description:

The procedures to require submission of as-built drawings and ensure long term operation and maintenance will be added to the Storm Water Bylaw

Responsible Department/Parties: Planning/zoning Department

Measurable Goal(s):

Require and track submission of as-built plans for completed projects

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) GH-1

Written Document Completed (by year 2) ☐

Document Name and/or Web Address:

Description:

Create written O&M procedures including all requirements contained in 2.3.7.a.ii for parks and open spaces, buildings and facilities, and vehicles and equipment. These plans will include procedures to properly manage grass cuttings and leaf litter, including blowing organic waste onto adjacent impervious surfaces. The plans will also address slow-release fertilizer use in areas that drain to nitrogen impaired waterbodies.

Responsible Department/Parties:

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) GH-2

Written Document Completed (by year 2) ☐

Document Name and/or Web Address:

Description:

Create written Operations and Maintenance procedures for buildings and facilities. These plans will include procedures to properly manage grass cuttings and leaf litter, including blowing organic waste onto adjacent impervious surfaces. The plans will also address slow-release fertilizer use in areas that drain to nitrogen impaired waterbodies.

Responsible Department/Parties:

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) GH-3

Written Document Completed (by year 2) ☐

Document Name and/or Web Address:

Description:

Create written Operations and Maintenance procedures for vehicles and equipment.

Responsible Department/Parties: DPW Operations

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) GH-4

Written Procedure Completed (by year 2) ☐

Document Name and/or Web Address:

Description:

Establish and implement program for repair and rehabilitation of MS4 infrastructure

Responsible Department/Parties: DPW Operations

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) GH-5

Written Procedure Completed (by year 1) ☒

Document Name and/or Web Address:

"Municipal Stormwater Infrastructure Operation and Maintenance Plan"

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 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) GH-6

Written Procedure Completed (by year 1) ☒

Document Name and/or Web Address:

"Municipal Stormwater Infrastructure Operation and Maintenance Plan"

Description:

Sweep all streets and permittee-owned parking lots in accordance with permit conditions. The written procedures will also note locations that require more frequent sweeping to comply with relevant TMDLs and impaired waters requirements.

Responsible Department/Parties: DPW Operations

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) GH-7

Written Procedure Completed (by year 1) ☒

Document Name and/or Web Address:

"Municipal Stormwater Infrastructure Operation and Maintenance Plan"

Description:

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

Responsible Department/Parties: DPW Operations

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) GH-8

Completed (by year 1) ☒

Document Name and/or Web Address: "Municipal Stormwater Infrastructure Operation and Maintenance Plan"

Description:

Establish and implement inspection and maintenance procedures and frequencies for structures such as water quality swales, retention/detention basins, infiltration structures, proprietary treatment devices, or other similar structures excluding catch basins.

Responsible Department/Parties: DPW Operations

Measurable Goal(s):

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

BMP: SWPPP

BMP Number (Optional) GH-9

Completed (by year 2) ☐

Document Name and/or Web Address: N/A

Description:

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

Responsible Department/Parties: DPW Operations

Measurable Goal(s):

Develop and implement SWPPPs for 100% of facilities.

BMP: Inventory all town-owned parks/open spaces, buildings and facilities, and vehicles and equipment

BMP Number (Optional) GH-10

Completed ☐

Document Name and/or Web Address: N/A

Description:

Create inventory

Responsible Department/Parties: DPW Operations

Measurable Goal(s):

Complete within 2 years of effective date of the permit and implement annually.

BMP:Employee Training

BMP Number (Optional) GH-11

Completed ☐

Document Name and/or Web Address:

Description:

Annual employee training will provide municipal staff with information on good housekeeping practices.

Responsible Department/Parties:

Measurable Goal(s):

BMP:

BMP Number (Optional) _____

Completed ☐

Document Name and/or Web Address:

Description:

Responsible Department/Parties:

Measurable Goal(s):

Add BMP

Annual Evaluation

Year 1 Annual Report

Document Name and/or Web Address:

2019 MS4 General Permit www.townofpaxton.net

Year 2 Annual Report

Document Name and/or Web Address:

2020 MS4 General Permit www.townofpaxton.net

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

Nitrogen

Combination of Impaired Waters Requirements and TMDL Requirements as Applicable

Applicable Receiving Waterbody(ies)	TMDL Name (if applicable)	Add/Delete Row
Unnamed tributary and wetland areas to Eames Pond crossing Davis Hill Road	Long Island Sound TMDL	<input type="checkbox"/> + <input type="checkbox"/> -
Unnamed tributary to Turkey Hill Brook crossing West Street and South Street	Long Island Sound TMDL	<input type="checkbox"/> + <input type="checkbox"/> -

Annual Requirements Beginning Year 1

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

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

ID-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 fertilizers

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

PE-9

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:

PE-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:

PE-9

Good Housekeeping and Pollution Prevention for Permittee Owned Operations

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

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

This will be incorporated into GH-1 and GH-2.

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:

This will be incorporated into GH-1 and GH-2.

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:

This will be incorporated into GH-6.

Nitrogen Reduction Tracking BMP

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

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

The Town will track nitrogen removal from relevant BMPs including infiltration practices, bioretention practices, detention basins, water quality swales, gravel wetland systems, etc.

Requirements Due by Year 2

Stormwater Management in New Development and Redevelopment

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

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

Not yet completed, expected to be completed by Year 3.

Requirements Due by Year 4

Complete a Nitrogen Source Identification Report

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

Not yet completed, expected to be completed by Year 4.

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:

Not yet completed, expected to be completed by Year 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 Nitrogen Source Identification Report that are within the drainage area of the impaired water or its tributaries

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

Not yet completed, expected to be completed by Year 5.

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:

Not yet completed, expected to be completed by Year 5.

Lake and Pond Phosphorus TMDL

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

Applicable Receiving Waterbody(ies)	PCP Complete	Document Location	Add/Delete Row
UNT to Southwick Pond crossing Pleasant St W of Crystal St UNT to Southwick Pond, S of Cutler Rd UNT to Southwick Pond, SE of Cutler Rd	<input type="checkbox"/>		<div>+</div> <div>-</div>

