Stormwater Management Program (SWMP)

Town of Dalton, Massachusetts

EPA NPDES Permit Number: MA041004, Town of Dalton

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TABLE OF CONTENTS

1. Introduction 4
1.1 Objective 4
1.2 Definitions 4
1.3 Background 6
1.4 Area Subject to the Plan 7
2. Contact Information 8
3. Municipal Separate Storm Sewer System 9
3.1 Location of Urbanized Area 9
3.2 Receiving Waterbodies 9
3.3 Increased Discharges 11
3.4 Additional Requirements for Discharges to Surface Drinking Water Supplies and Their Tributaries 11
3.5 Discharges to Certain Impaired Waters 9
3.6 Sanitary Sewer Overflow (SSO) Inventory 11
3.7 Eligibility Criteria 12
4. Minimum Control Measures 13
4.1 Public Education and Outreach 13
4.2 Public Participation and Involvement 14
4.3 Illicit Discharge Detection and Elimination 16
4.4 Construction Site Runoff Control 18
4.5 Stormwater Management in New Development and Redevelopment 20
4.6 Good Housekeeping and Pollution Prevention for Permittee Owned Operations 22
5. Implementation Schedule 24
6. Annual Status Reporting 25

Appendix 1 Maps 26
Appendix 2 US Fish & Wildlife Determination 27
Appendix 3 Massachusetts Historical Commission Determination 28
Appendix 4 Notice of Intent 29
Appendix 5 Transmittal Form 30

Appendix 6 Written IDDE Plan 31
Appendix 7 Written Procedures for Site Inspection and Enforcement of Sediment and Erosion Control Procedures 32

1. INTRODUCTION

1.1 OBJECTIVE

The objective of this stormwater management plan is to develop a program of stormwater mitigation for the Town of Dalton, Massachusetts based on the guidelines established under the Municipal Separate Storm Sewer System (MS4) stormwater management program by the U.S. Environmental Protection Agency's (EPA) National Pollutant Discharge Elimination System (NPDES) Stormwater Phase II Rule. The MS4 Phase II program was created with the intention of improving the quality of the nation's waterways by reducing the quantity of pollutants that stormwater picks up and carries into stormwater systems and discharges to surface water bodies. EPA requires that MS4 Phase II owners/operators reduce pollutants in stormwater to the maximum extent practicable (MEP) to protect water quality. The regulations specify that compliance with the MEP requirement can be attained by developing a stormwater management plan that addresses the following six minimum control measures:

- Public Education and Outreach
- Public Participation and Involvement
- Illicit Discharge Detection and Elimination
- Construction Site Runoff Control
- Stormwater Management in New Development and Redevelopment
- Good Housekeeping and Pollution Prevention for Permittee Owned Operations

EPA studies have demonstrated that stormwater pollution is one of the most significant sources of water pollution today. When it rains or snow melts the resulting stormwater picks up or dissolves pollutants and washes them into stormwater conveyance systems. Polluted stormwater runoff is often discharged into local rivers and streams without treatment. Common pollutants include oil, grease and metals from cars and roadways; pesticides and fertilizers from lawn maintenance activities; sediment from construction sites. Stormwater can impair waterways, degrade animal habitat, pollute drinking water, increase flooding, cause erosion of streambeds or siltation of waterways, and decrease the amount of water recharged to aquifers.

1.2 DEFINITIONS

Municipal Separate Storm Sewer System (MS4) also referred to as a Municipal Separate Stormwater System: "a conveyance or system of conveyances (including roads with drainage systems, municipal streets, catch basins, curbs, gutters, ditches, man-made channels, or storm drains):

(i) Owned or operated by a State, city, town, borough, county, parish, district, association, or other public body (created by or pursuant to State law)...including special districts under State law such as a sewer district, flood control district or drainage district, or similar entity, or an Indian tribe or an authorized Indian tribal organization, or a designated and approved management agency under section 208 of the Clean Water Act that discharges into waters of the United States.

(ii) Designed or used for collecting or conveying storm water;

(iii) Which is not a combined sewer; and

(iv) Which is not part of a Publicly Owned Treatment Works (POTW) as defined at 40 CFR 122.2."

Nonpoint Pollution means pollution that occurs when water runs over land or through the ground and picks up natural and human-made pollutants, and discharges them in surface waters or introduces them into groundwater.

Pollutants of Concern include biochemical oxygen demand (BOD), sediment or a parameter that addresses sediment (such as total suspended solids, turbidity or siltation), pathogens, oil and grease, and any pollutant that has been identified as a cause of impairment in any water body to which the MS4 discharges.

Point Source means any discernible, confined, and discrete conveyance, including but not limited to, any pipe, ditch, channel, tunnel, conduit, well, discrete fissure, container, rolling stock, concentrated animal feeding operation, landfill leachate collection system, vessel or other floating craft from which pollutants are or may be discharged. This term does not include return flows from irrigated agriculture or agricultural storm water runoff.

Pollutant means any element or property of sewage, agricultural, industrial or commercial waste, runoff, leachate, heated effluent, or other matter in whatever form, and whether originating at a point or nonpoint source, that is or may be discharged, drained or otherwise introduced into any sewage system, treatment works or waters of the Commonwealth.

Small SM4 means all separate storm sewers that are:

(i) Owned or operated by the United States, a State, city, town, borough, county, parish, district, association, or other public body (created by or pursuant to State law) having jurisdiction over disposal of sewage, industrial wastes, storm water, or other wastes, including special districts under State law such as a sewer district, flood control district or drainage district, or similar entity, or an Indian tribe or an authorized Indian tribal organization, or a designated and approved management agency under section 208 of the CWA that discharges to waters of the United States.

(ii) (ii) Not defined as ''large'' or ''medium'' municipal separate storm sewer systems pursuant to paragraphs (b)(4) and (b)(7) of this section, or designated under paragraph (a)(1)(v) of this section

Stormwater means storm water runoff, snow melt runoff, and surface runoff and drainage.

Small Construction Activities means Construction activities including clearing, grading, and excavating that result in land disturbance of equal to or greater than one acre and less than five acres. Small construction activity also includes the disturbance of less than one acre of total land area that is part of a larger common plan of development or sale if the larger common plan will ultimately disturb equal to or greater than one and less than five acres.

Total Maximum Daily Load (TMDL): "The sum of the individual [Wasteload Allocations (WLA)] for point sources and [Load Allocations (LA)] for nonpoint sources and natural background. If receiving water has only one point source discharger, the TMDL is the sum of that point source WLA plus the LAs for any nonpoint sources of pollution and natural background sources, tributaries, or adjacent segments. TMDLs can be expressed in terms of either mass per time, toxicity, or other appropriate measures. If Best Management Practices (BMPs) or other nonpoint source pollution controls make more stringent load allocations practicable, then wasteload allocations can be made less stringent. Thus, the TMDL process provides for nonpoint source control tradeoffs."

Urbanized Area: A land area comprising one or more places – central place(s) – and the adjacent densely settled surrounding area – urban fringe – that together have a residential population of at least 50,000 and an overall population density of at least 1,000 people per square mile.

1.3 BACKGROUND

In 1972, the Federal Water Pollution Control Act, also known as the Clean Water Act, was amended to make illegal the discharge of any pollutant as a point source to any water body in the United States without authorization by a NPDES permit. Pollution control measures were implemented first in industrial wastewater operations and municipal sewerage systems; however, it became apparent that more regulations were needed to include the identification of stormwater drainage systems as a point source. In 1987, the Clean Water Act was again amended to implement a two-phase approach to the reduction of stormwater discharges. The first phase was aimed at large and medium municipal separate stormwater systems (typically systems serving populations of 100,000 or more), industrial activities, and construction activities that disturbed five acres or more of land. The Phase I part of the program was implemented on November 5, 1990. The Phase I permitting process required these larger cities to develop and implement a stormwater management program, and to address stormwater management at specific municipal facilities at which "industrial" activity took place. It also required certain industries as well as any construction project greater than five acres to obtain NPDES permit coverage through the development and implementation of stormwater pollution prevention plans that would control erosion and sedimentation as well as pollutant discharges.

On December 8, 1999, the NPDES Phase II Stormwater Rule was published in the Federal Register by the United States Environmental Protection Agency. The NPDES Phase II Stormwater requirements focused on small MS4's (usually cities with populations of less than 100,000) and small construction activities (construction activity that disrupts one or more acres of land). The basis of this Phase II approach was to design a stormwater management program that focused on six minimum control measures as outlined above.

The NPDES Phase II program requires the development of best management practices (BMPs) for each of the minimum control measures and the development of an implementation schedule and measurable goals throughout the five-year permitting period. The Town of Dalton is required to submit progress reports annually, and is subject to enforcement action as described in the Clean Water Act if it fails to implement the BMPs it has selected.

1.4 SMALL MS4 AUTHORIZATION

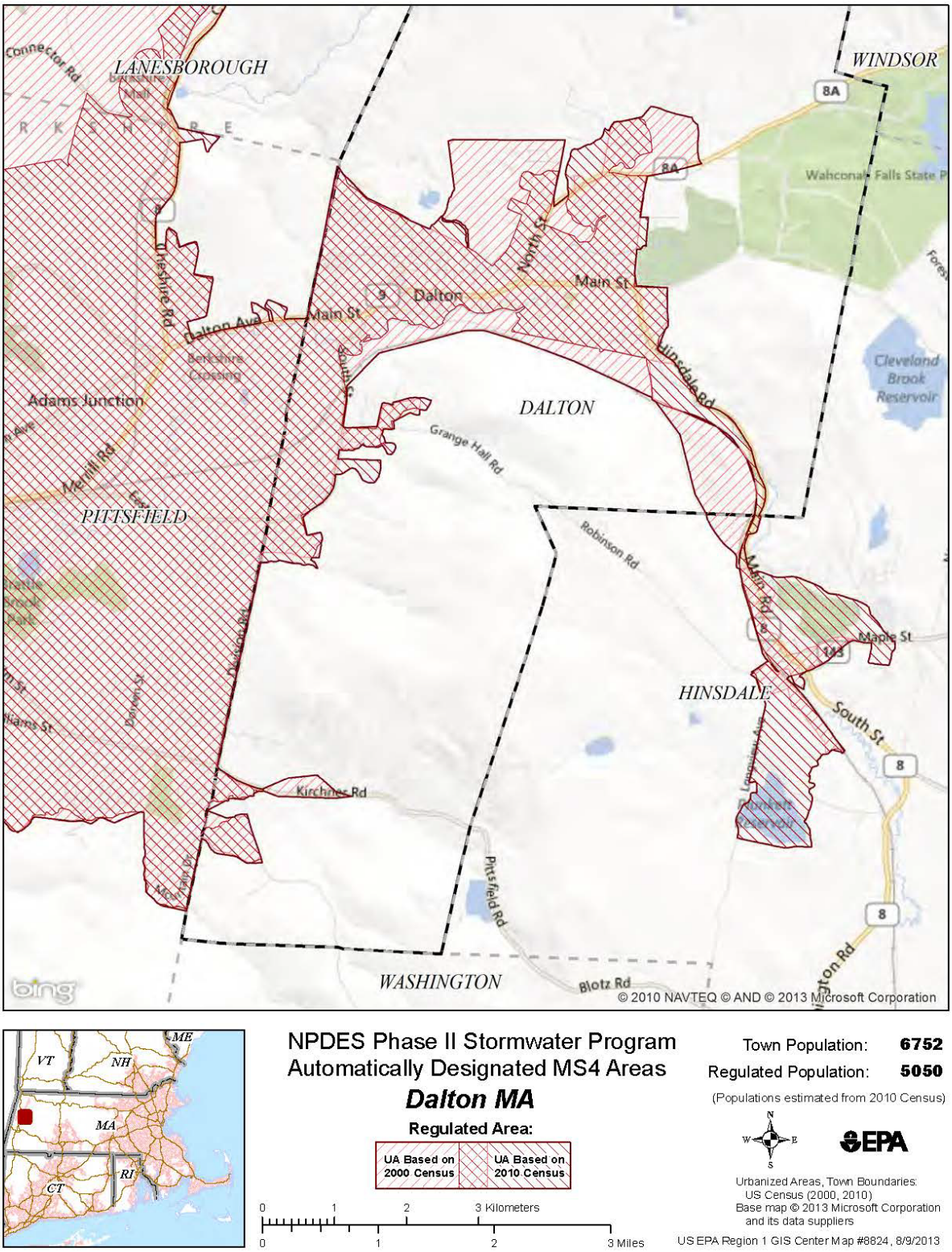
The NOI was submitted on September 27, 2018.

The NOI can be found at the following web address:
https://www3.epa.gov/region1/npdes/stormwater/ma/tms4noi/dalton.pdf

Authorization to Discharge was granted on June 26, 2019.

The Authorization Letter can be found at the following web address:
https://www3.epa.gov/region1/npdes/stormwater/ma/tms4noi/dalton-auth.pdf

1.5 AREA SUBJECT TO THE PLAN



NPDES Phase II Stormwater Program
Automatically Designated MS4 Areas

Dalton MA

Regulated Area:

UA Based on 2000 Census	UA Based on 2010 Census

0 1 2 3 Kilometers

0 1 2 3 Miles

Town Population: **6752**

Regulated Population: **5050**

(Populations estimated from 2010 Census)

Urbanized Areas, Town Boundaries:
US Census (2000, 2010)
Base map © 2013 Microsoft Corporation
and its data suppliers

US EPA Region 1 GIS Center Map #8824, 8/9/2013

2. Contact Information

2.1 Stormwater Management Program Team

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3. MUNICIPAL SEPARATE STORM SEWER SYSTEM

3.1 LOCATION OF URBANIZED AREA

The Urbanized Area of Pittsfield extends into Dalton from Pittsfield to the east. It includes Rt. 8 & Rt. 9 along with a portion of Rt. 8A. The Urbanized Area extends south of Rt. 8 & and Rt. 9 to include East and West Housatonic Streets, South Street and adjacent neighborhoods along with a portion of Grange Hall Road. In the southern most portion of town, the Urbanized Area extends east from Pittsfield to include the first few miles of Kirchner Road and Washington Mountain Road (See map on page 8).

3.2 RECEIVING WATERBODIES

Listing of all discharges identified pursuant to the 2016 MA Small MS4 Final Permit part 2.1.1 and description of response. The permittee shall reduce the discharge of pollutants such that the discharges from the MS4 do not cause or contribute to an exceedance of water quality standards.

The Town has identified the surface water bodies that receive discharges from the MS4. The following surface water bodies have been identified as receiving stormwater directly from outfalls or by receiving surface water from connecting brooks.

- East Branch Housatonic River (MA21-01)
- East Branch Housatonic River (MA21-02)
- Wahconah Falls Brook
- Hathaway Brook
- Anthony Brook
- Walker Brook
- Barton Brook
- Brattle Brook
- Sackett Brook

3.2.1 Discharges to Certain Impaired Waters

The 2016 MA Small MS4 Final Permit requires the permittee to identify in the SWMP and Annual Reports all MS4 discharges, including both outfalls and interconnections to other MS4s or other separate storm sewer systems, that:

1. Are subject to Total Maximum Daily Load (TMDL) related requirements as identified in the 2016 MA Small MS4 Final Permit part 2.2.1; and
2. Are subject to additional requirements to protect water quality as identified in the 2016 MA Small MS4 Final Permit part 2.2.2.

The discharge location from an interconnection shall be determined based on the receiving water of the outfall from the interconnected system.

Section 305(b) of the federal Clean Water Act requires states to assess and report to EPA on water quality, and Section 303(d) requires that states publish a list of waters that are impaired. The purpose of developing the report and list is to assist water quality managers to prioritize remediation activities and

implement appropriate protective measures. EPA recently modified its guidance on the preparation of the report and list. States are now required to submit an "Integrated Water Quality Monitoring and Assessment Report" that fulfills the requirements of both Section 305(b) and Section 303(d).

Under the new reporting structure, waters are assessed and assigned to one of five categories:

1. Attaining the water quality standard and no use is threatened.
2. Attaining some of the designated uses; no use is threatened; and insufficient or no data and information is available to determine if the remaining uses are attained or threatened.
3. Insufficient or no data and information to determine if any designated use is attained.
4. Impaired or threatened for one or more designated uses but does not require the development of a TMDL [Total Maximum Daily Load].
    a. TMDL has been completed.
    b. Other pollution control requirements are reasonably expected to result in the attainment of the water quality standard in the near future.
    c. Impairment is not caused by a pollutant.
5. The water quality standard is not attained. The AU [Assessment Unit (waterbody)] is impaired or threatened for one or more designated uses by a pollutant(s), and requires a TMDL. This category constitutes the Section 303(d) list of waters impaired or threatened by a pollutant(s) for which one or more TMDL(s) are needed. An AU should be listed in this category if it is determined, in accordance with the state's or territory's assessment and listing methodology, that a pollutant has caused, is suspected of causing, or is projected to cause an impairment. Where more than one pollutant is associated with the impairment of a single AU, the AU will remain in Category 5 until TMDLs for all pollutants have been completed and approved by EPA.

Pollutants may include pathogens, organic enrichment, low dissolved oxygen, metals, petroleum, noxious aquatic plants, and others. Non-pollutants may include exotic species, habitat alterations, and flow alterations, among others.

Of the receiving waters within the Town of Dalton, the East Branch Housatonic River (MA21-01 and MA21-02) is listed as impaired by fecal coliform and PCBs in fish tissue and Wahconah Falls Brook is listed as impaired by fecal coliform.

3.2.1.1 Discharges Subject to Requirements Related to an Approved TMDL

Discharges from the MS4 are subject to an approved TMDL for the Long Island Sound as identified in the 2016 MA Small MS4 Final Permit part 2.2.1. The Town will follow the requirements of the 2016 MA Small MS4 Final Permit part 2.2.1 and Appendix F of the Permit and will comply with all applicable schedules and requirements in Appendix F, part A. The Town's compliance with all applicable requirements and BMP implementation schedules in Appendix F applicable to it will constitute compliance with part 2.1.1.a. of the Permit.

3.2.1.2 Category 4b & Category 5 Waters

There are no discharges from the MS4 to a waterbody (or its tributaries) that is water quality limited due to nutrients (Total Nitrogen or Total Phosphorus), metals (Cadmium, Copper, Iron, Lead or Zinc), solids (TSS or Turbidity), chloride (Chloride) or oil and grease (Petroleum Hydrocarbons or Oil and Grease) and the Town is not listed in part 2.2.2.a.-b. of the 2016 MA Small MS4 Permit.

Waterbody Segment That Receives Flow from MS4	Number of Outfalls into Receiving Segment	Impairments
East Branch Housatonic River (MA21-01)	48	Fecal Coliform PCB in Fish Tissue
East Branch Housatonic River (MA21-02)	56	Fecal Coliform PCB in Fish Tissue
Wahconah Falls Brook	8	Fecal Coliform
Hathaway Brook	2	No listed impairments
Anthony Brook	13	No listed impairments
Walker Brook	9	No listed impairments
Barton Brook	26	No listed impairments
Brattle Brook	11	No listed impairments
Sackett Brook	3	No listed impairments

There are a combined 104 discharges to the East Branch Housatonic River (MA21-01 and MA21-02), which is impaired by bacteria/pathogens (Fecal Coliform) and polychlorinated biphenyls (PCBs) in fish tissue. There are an additional 8 discharges to Wahconah Falls Brook, which is impaired by bacteria/pathogens (Fecal Coliform). There will be no increased discharges, including increased pollutant loading(s) from the MS4 to impaired waters listed in categories 5 or 4b on the most recent Massachusetts Integrated Report of waters listed pursuant to Clean Water Act section 303(d) and 305(b) unless demonstrated that there is no net increase in loading from the MS4 to the impaired water of the pollutant(s) for which the waterbody is impaired. The Town has demonstrated compliance with this provision by documenting that the total load of the pollutant(s) of concern from the MS4 to any impaired portion of the receiving water will not increase as a result of the activity and retaining documentation of this finding in the SWMP. Unless otherwise determined by the Town, USEPA or by MassDEP that additional demonstration is necessary, compliance with the requirements of part 2.2.2 and part 2.3.6 of the Permit, including all reporting and documentation requirements, will be considered as demonstrating no net increase.

3.3 Increased Discharges

Any increased discharge, including increased pollutant loading(s) through the MS4 to waters of the United States is subject to the antidegradation regulations of the Massachusetts Surface Water Quality Standards at 314 CMR 4.04. The Town will comply with the provisions of 314 CMR 4.04 including information submittal requirements and obtaining authorization for increased discharges where appropriate. Any authorization of an increased discharge by MassDEP will be incorporated into this SWMP.

3.4 Additional Requirements for Discharges to Surface Drinking Water Supplies and Their Tributaries

The Town will take appropriate measures to avoid or minimize impacts to surface public drinking water supply sources. The Town does not discharge to public surface drinking water supply sources (Class A and Class B surface waters used for drinking water) or their tributaries. The Town will notify public

water supplies in the event of an emergency including the Massachusetts Department of Environmental Protection, Bureau of Resource Protection, Drinking Water Program, One Winter Street, Boston, MA 02108 – phone (617) 292-5770.

3.5 Sanitary Sewer Overflow (SSO) inventory

In accordance with the 2016 MA Small MS4 Permit, the Town must identify all known locations where SSOs have discharged to the MS4 within the previous five (5) years. There are no SSOs within the Town of Lanesborough. This includes SSOs resulting, during dry or wet weather, from inadequate conveyance capacities, or where interconnectivity of the storm and sanitary sewer infrastructure allows for communication of flow between the systems.

As there are no SSOs within the Town, this section of the SWMP is intended to fulfill the requirement to maintain an inventory as a part of the SWMP and update the inventory annually. If in the future an SSO is identified as a result of inadequate conveyances, the Town will update the SWMP to include the following information consistent with part 2.3.4.4.b.1-7 of the Permit:

1. Location (approximate street crossing/address and receiving water, if any);
2. A clear statement of whether the discharge entered a surface water directly or entered the MS4;
3. Date(s) and time(s) of each known SSO occurrence (i.e., beginning and end of any known discharge);
4. Estimated volume(s) of the occurrence;
5. Description of the occurrence indicating known or suspected cause(s);
6. Mitigation and corrective measures completed with dates implemented; and
7. Mitigation and corrective measures planned with implementation schedules.

3.6 Eligibility Criteria

3.6.1 Documentation Regarding Endangered Species

The Town of Dalton lies within Berkshire County. The Northern Long-eared Bat (*Myotis septentrionalis*) is listed as a threatened species within the County. However, the U.S. Fish and Wildlife Service has indicated "no critical habitat under the jurisdiction of the U.S. Fish and Wildlife Service are known to occur in the project area." The Dalton MS4 is therefore eligible for coverage under the General Permit as determined by eligibility Criteria C. A copy of the U.S. Fish and Wildlife determination is included as Appendix C. The proper consultations and updates to the SWMP will be conducted for construction projects where separate Construction General Permit (CGP) coverage is not being obtained.

3.6.2 Documentation Regarding Historic Properties

The Town certifies eligibility regarding historic properties under eligibility criteria A. The Town's stormwater discharges, allowable non-stormwater discharges, and stormwater discharge-related activities will not have an effect on a property that is listed or eligible for listing on the National Register of Historic Properties (NRHP). Based upon review of sites in Dalton shown on the MassGIS datalayer for National Register and State Register sites and analysis of those sites in relation to known outfall locations no such historic sites are anticipated to be negatively impacted by stormwater. The Town will coordinate any review with MHC as necessary as we move forward with construction of various stormwater management projects.

4. Minimum Control Measures

The following sections of the SWMP include the description of practices to achieve compliance with part 2.3 (MEP requirements) of the Permit identified in the Town of Dalton's NOI and any updates to those BMPs within the first year.

Each permit condition in part 2.3 includes information identifying the person(s) or department responsible for the measure, the BMPs for the control measure or permit requirement; and the measurable goal(s) for each BMP. Each measurable goal includes milestones and timeframes for its implementation and have a quantity or quality associated with its endpoint. Each goal has a measure of assessment associated with it.

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 pollutants in stormwater are reduced.

Target Audience	Educational Goal(s)	Specific Message(s)	Responsible Party	Year of Implement-ation	Evaluation Method(s)
Residential	Reduce pollution through improved behaviors		Stormwater Management Commission	2019	
Business/ Commercial/ Institutional	Increase awareness		Stormwater Management Commission	2020	
Developers and Construction	Reduce pollution through improved construction practices		Building Inspector	2019	
Industrial	Reduce pollution through improved industrial practices		Stormwater Management Commission	2020	
Residential	Increase awareness		Housatonic Valley Association	2021	
Business/ Commercial/ Institutional	Increase awareness		Housatonic Valley Association	2022	
Developers and Construction	Reduce pollution through improved construction practices		Stormwater Management Commission	2021	
Industrial	Reduce pollution through improved industrial practices		Stormwater Management Commission	2022	

MCM.2 PUBLIC PARTICIPATION AND INVOLVEMENT

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

All public involvement activities conducted by the Town of Dalton will comply with state public notice requirements (MGL Chapter 30A, Sections 18 – 25 – effective 7/10/2010). The SWMP and all annual reports will be available to the public at the Town Hall, Public Library, and through the Town's website.

The Town of Dalton will provide the public with an opportunity to participate in the annual review and implementation of the SWMP. Public participation opportunities may include, but are not limited to, websites; clean-up teams; monitoring teams; or an advisory committee.

The Town of Dalton will report on the activities undertaken to provide public participation opportunities annually.

BMP Name:	***SWMP Review***
Description:	Stormwater Management Plan review
Responsible Department/Party:	Stormwater Management Commission
Completion Date:	March 14, 2019
Measurable Goals:	Allow annual review of stormwater management plan and posting of stormwater management plan on website
BMP Name:	***Public Participation***
Description:	Public Meeting - Stormwater
Responsible Department/Party:	Stormwater Management Commission
Completion Date:	March 14, 2019
Measurable Goals:	Allow public to comment on stormwater management plan annually
BMP Name:	***Public Participation***
Description:	Stormwater Committee/Task Force
Responsible Department/Party:	Stormwater Management Commission
Completion Date:	Monthly meetings September 2018-March 2019
Measurable Goals:	Conduct regular open meetings of the Stormwater Management Commission
BMP Name:	***Public Participation***
Description:	Household hazardous waste/used oil collection
Completion Date:	
Responsible Department/Party:	DPW Operations
Measurable Goals:	Reduce pollution through proper disposal
BMP Name:	***Public Participation***
Description:	Partnership - Advocacy Groups
Completion Date:	
Responsible Department/Party:	Housatonic Valley Association
Measurable Goals:	Increase awareness, advocacy and stewardship

BMP Name:	*Public Participation*
Description:	Hotline/webline - reporting problems/violations
Completion Date:	2005
Responsible Department/Party:	Emergency Management
Measurable Goals:	Greater exchange of information and improved response time

MCM.3 ILLICIT DISCHARGE DETECTION AND ELIMINATION

The Town will implement an IDDE program to systematically find and eliminate sources of non-stormwater discharges to its municipal separate storm sewer system and implement procedures to prevent such discharges.

The IDDE program will include adequate legal authority to: prohibit illicit discharges; investigate suspected illicit discharges; eliminate illicit discharges, including discharges from properties not owned by or controlled by the MS4 that discharge into the MS4 system; and implement appropriate enforcement procedures and actions. Adequate legal authority has been established through the Town's IDDE Bylaw, which went into effect on November 19, 2007.

BMP Name:	***IDDE Legal Authority***
Completed:	11/19/07
Link or Reference:	https://www.ecode360.com/12534839
Enforcement Authority:	Board of Health
BMP Name:	***Sanitary Sewer Overflow (SSO) Inventory***
Description:	Develop SSO inventory in accordance of permit conditions
Completion Date:	6/26/19
Responsible Department/Party:	DPW Operations
Measurable Goals:	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.
BMP Name:	***Map of Storm Sewer System***
Description:	Create map and update during IDDE program completion
Completion Date:	http://berkshire.maps.arcgis.com/apps/webappviewer/index.html?id=3b70a6d6454a4567b4868d54cbe6e791
Responsible Department/Party:	DPW Operations
Measurable Goals:	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 Name:	***IDDE Program***
Description:	Create written IDDE program
Completion Date:	June 2005
Responsible Department/Party:	Stormwater Management Commission
Implement IDDE Program:	Implement catchment investigations according to program and permit conditions. The outfall/interconnection inventory and initial ranking and the dry weather outfall and interconnection screening and sampling results will be available at: http://berkshire.maps.arcgis.com/apps/webappviewer/index.html?id=3b70a6d6454a4567b4868d54cbe6e791
Measurable Goals:	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.
BMP Name:	***Employee Training***
Description:	Train employees on IDDE implementation
Completion Date:	
Responsible Department/Party:	Town Manager
Measurable Goals:	Train annually
BMP Name:	***Conduct dry weather screening***
Description:	Conduct in accordance with outfall screening procedure and permit conditions
Completion Date:	6/29/22
Responsible Department/Party:	Housatonic Valley Association
Measurable Goals:	Results of dry weather screening
BMP Name:	***Conduct wet weather screening***
Description:	Conduct in accordance with outfall screening procedure
Completion Date:	Complete 10 years after effective date of permit
Responsible Department/Party:	Housatonic Valley Association
Measurable Goals:	Results of wet weather screening
BMP Name:	***Ongoing screening***
Description:	Conduct dry weather and wet weather screening (as necessary)
Completion Date:	Complete ongoing outfall screening upon completion of IDDE program
Responsible Department/Party:	Housatonic Valley Association
Measurable Goals:	Completed outfall screening

MCM.4 CONSTRUCTION SITE RUNOFF CONTROL

The objective of the Town's 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 Town's MS4.

The Town will implement and enforce a program to reduce pollutants in any stormwater runoff discharged to the MS4 from all construction activities that result in a land disturbance of greater than or equal to one acre within the regulated area. The Town's program includes disturbances less than one acre where such disturbance is part of a larger common plan of development or sale that would disturb one or more acres.

The Town has developed and implements a construction site runoff control program that includes a Stormwater and Erosion Control Bylaw that requires the use of sediment and erosion control practices at construction sites. In addition to addressing sediment and erosion control, the bylaw includes controls for other wastes on constructions sites such as demolition debris, litter and sanitary wastes. The bylaw provides that the Town may, to the extent authorized by law, impose sanctions to ensure compliance. Within one (1) year from the effective date of the Permit, the Town will develop written procedures for site inspections and enforcement of sediment and erosion control measures. These procedures will clearly define who is responsible for site inspections as well as who has authority to implement enforcement procedures.

Requirements for construction site operators performing land disturbance activities within the MS4 jurisdiction that result in stormwater discharges to the MS4 must implement a sediment and erosion control program that includes BMPs appropriate for the conditions at the construction site consistent with the Massachusetts Stormwater Handbook. Examples of appropriate sediment and erosion control measures for construction sites to comply with local requirements include:

1. Minimizing the amount of disturbed area and protect natural resources;
2. Stabilizing sites when projects are complete or operations have temporarily ceased;
3. Protecting slopes on the construction site;
4. Protecting all storm drain inlets and armor all newly constructed outlets;
5. Using perimeter controls at the site;
6. Stabilizing construction site entrances and exits to prevent off-site tracking; and
7. Inspecting stormwater controls at consistent intervals.

The bylaw further requires construction site operators within the MS4 jurisdiction to control wastes, including but not limited to, discarded building materials, concrete truck wash out, chemicals, litter, and sanitary wastes. These wastes may not be discharged to the MS4.

Written procedures for site plan review and inspection and enforcement will be completed within one (1) year from the effective date of the permit. The site plan review procedure will include a pre-construction review by the permittee of the site design, the planned operations at the construction site, planned BMPs during the construction phase, and the planned BMPs to be used to manage runoff created after development. The review procedure will incorporate procedures for the consideration of

potential water quality impacts, and procedures for the receipt and consideration of information submitted by the public. The site plan review procedure will also include evaluation of opportunities for use of low impact design and green infrastructure. When the opportunity exists, the Town will encourage project proponents to incorporate these practices into the site design. The procedures for site inspections conducted by the Town will include the requirement that inspections occur during construction of BMPs as well as after construction of BMPs to ensure they are working as described in the approved plans, clearly defined procedures for inspections including qualifications necessary to perform the inspections, the use of mandated inspection forms if appropriate, and procedure for tracking the number of site reviews, inspections, and enforcement actions. This tracking information will be included as part of each annual report required by part 4.4 of the Permit.

BMP Name:	***Sediment and Erosion Control Ordinance***
Completed: Link or Reference: Enforcement Authority:	9/28/06 https://www.ecode360.com/9537081 Stormwater Management Commission
BMP Name:	***Site Plan Review Procedures***
Description:	Complete written procedures of site plan review and begin implementation
Completion Date:	9/28/06
Responsible Department/Party:	Stormwater Management Commission
Measurable Goals:	Conduct site plan review of 100% of projects according to the procedures outlined above.
BMP Name:	***Site Inspections and Enforcement of Sediment and Erosion Control Measures Procedures***
Description:	Complete written procedures of site inspections and enforcement procedures
Completion Date:	9/28/06
Responsible Department/Party:	Stormwater Management Commission
Measurable Goals:	Inspect 100% of construction sites as outlined in the above document and take enforcement actions as needed.
BMP Name:	***Waste Control***
Description:	Adoption of requirements to control wastes, including but not limited to, discarded building materials, concrete truck wash out, chemicals, litter, and sanitary wastes
Completion Date:	5/2/2016
Responsible Department/Party:	Stormwater Management Commission
Measurable Goals:	Complete within 1 year of the effective date of permit

MCM.5 Post Construction Stormwater Management in New Development and Redevelopment

The objective of this control measure is to reduce the discharge of pollutants found in stormwater through the retention or treatment of stormwater after construction on new or redeveloped sites. For the purposes of this control measure, the following definitions apply:

site is defined as the area extent of construction activities, including but not limited to the creation of new impervious cover and improvement of existing impervious cover

new development is defined as any construction activities or land alteration resulting in total earth disturbances equal to or greater than 1 acre (or activities that are part of a larger common plan of development disturbing greater than 1 acre) on an area that has not previously been developed to include impervious cover.

redevelopment is defined as any construction, land alteration or improvement of impervious surfaces resulting in total earth disturbances equal to or greater than 1 acre (or activities that are part of a larger common plan of development disturbing greater than 1 acre) that does not meet the definition of new development (see above).

BMP Name:	***As-built plans for on-site stormwater control***
Description:	The procedures to require submission of as-built drawings and ensure long term operation and maintenance will be a part of the SWMP
Completed:	4/22/08
Link or Reference:	Stormwater Management and Erosion Control Regulations
Enforcement Authority:	Stormwater Management Commission
BMP Name:	***Target properties to reduce impervious areas***
Description:	Identify at least 5 permittee-owned properties that could be modified or retrofitted with BMPs to reduce impervious areas and update annually
Completion Date:	4/5/2022
Responsible Department/Party:	Town Manager
Measurable Goals:	Complete 4 years after effective date of permit and report annually on retrofitted properties
BMP Name:	***Allow green infrastructure***
Description:	Develop a report assessing existing local regulations to determine the feasibility of making green infrastructure practices allowable when appropriate site conditions exist
Completion Date:	
Responsible Department/Party:	Planning Board
Measurable Goals:	Complete 4 years after effective date of permit and implement recommendations of report
BMP Name:	***Street design and parking lot guidelines***
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.
Completion Date:	
Responsible Department/Party:	Planning Board
Measurable Goals:	Complete 4 years after effective date of permit and implement recommendations of report
BMP Name:	***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***
Description:	Adoption, amendment, or modification of a regulatory mechanism to meet permit requirements
Completion Date:	4/22/08
Responsible Department/Party:	Stormwater Management Commission
Measurable Goals:	Complete 2 years after effective date of permit

MCM.6 Good Housekeeping and Pollution Prevention for Permittee Owned Operations

The Town will 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.

BMP Name:	***O&M procedures***
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
Completion Date:	
Responsible Department/Party:	DPW
Measurable Goals:	Complete and implement 2 years after effective date of permit
BMP Name:	***Inventory all permittee-owned parks and open spaces, buildings and facilities, and vehicles and equipment***
Description:	Create inventory
Completion Date:	
Responsible Department/Party:	DPW
Measurable Goals:	Complete 2 years after effective date of permit and implement annually
BMP Name:	***Infrastructure O&M***
Description:	Establish and implement program for repair and rehabilitation of MS4 infrastructure
Completion Date:	
Responsible Department/Party:	DPW
Measurable Goals:	Complete 2 years after effective date of permit
BMP Name:	***Stormwater Pollution Prevention Plan (SWPPP)***
Description:	Create SWPPPs for maintenance garages, transfer stations, and other waste-handling facilities
Completion Date:	5/6/2003
Responsible Department/Party:	DPW
Measurable Goals:	Complete and implement 2 years after effective date of permit
BMP Name:	***Catch basin 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
Completion Date:	
Responsible Department/Party:	DPW
Measurable Goals:	Clean catch basins on established schedule and report number of catch basins cleaned and volume of material moved annually
BMP Name:	***Street sweeping program***
Description:	Sweep all streets and permitee-owned parking lots in accordance with permit conditions
Completion Date:	
Responsible Department/Party:	DPW

Measurable Goals:	Sweep all streets and permitee-owned parking lots once per year in the spring
BMP Name:	***Road salt use optimization program***
Description:	Establish and implement a program to minimize the use of road salt
Completion Date:	
Responsible Department/Party:	DPW
Measurable Goals:	Implement salt use optimization during deicing season
BMP Name:	***Inspections and maintenance of stormwater treatment structures***
Description:	Establish and implement inspection and maintenance procedures and frequencies
Completion Date:	
Responsible Department/Party:	DPW
Measurable Goals:	Inspect and maintain treatment structures at least annually

5. Implementation Schedule

6. Annual Status Reporting

Program Evaluation

The permittee shall annually self-evaluate its compliance with the terms and conditions of this permit and submit each self-evaluation in the Annual Report. The permittee shall also maintain the annual evaluation documentation as part of theSWMP.

APPENDIX 1 MAPS

APPENDIX 2 US FISH & WILDLIFE DETERMINATION

APPENDIX 3 MASSACHUSETTS HISTORICAL COMMISSION DETERMINATION

The Town of Dalton certifies eligibility regarding historic properties on the NOI required by part 1.7.2, under Criterion A consistent with the 2003 permit coverage.

APPENDIX 4 NOTICE OF INTENT

APPENDIX 5 TRANSMITTAL FORM

APPENDIX 6 WRITTEN IDDE PLAN

APPENDIX 7 WRITTEN PROCEDURES FOR SITE INSPECTION AND ENFORCEMENT OF SEDIMENT AND EROSION CONTROL PROCEDURES