

Stormwater Management Program (SWMP)

Town of Dracut

62 Arlington St. Dracut, MA 01826

EPA NPDES Permit Number MAR041194

Certification

“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, 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:

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.

Small MS4 Authorization

The NOI was submitted on September 26, 2018

The NOI can be found at the following:

<http://www3.epa.gov/region1/npdes/stormwater/ma/tms4noi/dracut.pdf>

Or

Town of Dracut Stormwater Website:

https://www.dracutma.gov/sites/dracutma/files/news/dracut_noi_2018.pdf

Authorization to Discharge was granted on February 14, 2019

The Authorization Letter can be found at the following:

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

or

Town of Dracut Stormwater Website:

https://www.dracutma.gov/sites/dracutma/files/news/dracut_-_authorization_to_discharge_letter.pdf

Stormwater Management Program Committee

SWMP Manager

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SWMP Permitting Authority

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Title: *Chairman*

Resident Representative: *Stormwater Committee*

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Title: *Vice-Chairman*

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Department: *Health Department*

Receiving Waters

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

OR

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

Town of Dracut website: https://www.dracutma.gov/sites/dracutma/files/news/receiving_waters.pdf

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
Bartlett Brook - MA84A - 36 - 3.7 miles	2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	X	<input type="checkbox"/>	
Beaver Brook - MA84A - 11 - 4.8 miles	35	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	X	X	<input type="checkbox"/>	Floatables
Long Pond - MA84032 - 137 acres	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"/>	non-native plants, mercury in fish tissue (33880)
Peppermint Brook - MA84A - 35 - 2.7 miles	5	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	X	<input type="checkbox"/>	Floatables
Richardson Brook - MA84A - 12 - 1.9 miles	5	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	X	<input type="checkbox"/>	
Trout Brook - MA84A - 13 - 2.6 miles	10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	X	<input type="checkbox"/>	
Lake Mascuppic - MA84037 - 210 acres	3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	X	<input type="checkbox"/>	4c

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://www.dracutma.gov/stormwater-committee>

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):

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.

BMP: Stormwater Management and the Changing EPA Regulations

Document Name and/or Web Address:

https://www.dracutma.gov/sites/dracutma/files/uploads/stormwater_brochure-v3f.pdf

Description: A stormwater management brochure providing information regarding what stormwater is, where the stormwater goes, the concerns of stormwater pollutants discharging into receiving waterbodies, what the Town of Dracut is doing to maintain the stormwater system, and the changes in standards the Environmental Protection Agency (EPA) has made that the Town has to comply with.

Targeted Audience: Residents

Responsible Party: Department of Public Works - Stormwater Division

Measurable Goal (s): Document how many brochures have been distributed every year.

Message Date (s): Year-Round

BMP: Proper Disposal of Dog Waste

BMP Number: 2

Document Name and/or Web Address:

https://www.dracutma.gov/sites/dracutma/files/uploads/pet_waste_brochure.pdf

Description: A brochure instructing proper disposal of dog waste.

Targeted Audience: Residents

Responsible Parties: Department of Public Works - Stormwater Division

Measurable Goal (s): Document how many brochures have been distributed every year.
Document how many doggy bags are purchased every year.

Message Date (s): January (Annually)

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

Location of Plan: *<https://www.dracutma.gov/stormwater-committee>*

Responsible Party: Stormwater Permitting Authority

Measurable Goal (s): Stormwater Management Plan is publicly available.

BMP: Public Participation in Stormwater Management Program Development

Description: The Stormwater Committee has met to discuss and review five different options for a stormwater fee to be presented in front of the Board of Selectman (BOS). The BOS will review these options to establish a fee to fund the stormwater enterprise fund. The Stormwater Committee has met to review standard operating procedures, Illicit Discharge Detection and Elimination Plan, and the Stormwater Management Program (SWMP).

Responsible Party: Stormwater Permitting Authority

Measurable Goal (s): Annual Public Input Provided.

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.

BMP: IDDE Legal Authority

Ordinances Link or Reference:

https://www.dracutma.gov/sites/dracutma/files/pages/town_bylaw_pdf_for_website_updated_thru_june_2018.pdf

Responsible Party for Enforcement: Board of Selectman

BMP: Sanitary Sewer Overflow (SSO) Inventory

Description: The 2016 MS4 Permit requires municipalities to prohibit illicit discharges, including SSOs, to the separate storm sewer system. SSO’s are discharges of untreated sanitary wastewater from a municipal sanitary sewer that can contaminate surface waters, cause serious water quality problems and property damage, and threaten public health. The Town of Dracut had no SSOs reported within 5 calendar years of the 2016 MS4 Permit effective date.

Responsible Parties: Department of Public Works - Stormwater Division/Sewer Department

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 corrective measures planned with implementation schedules. Update inventory as needed.

SSO Reporting:

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

<p>The Mass DEP contact are: Northeast Region (978) 694-3215 205B Lowell Street Wilmington, MA 01887 Central Region (508) 792-7650 8 New Bond Street Worcester, MA 01606 Southeast Region (508) 946-2750 20 Riverside Drive Lakeville, MA 02347 Western Region (413) 784-1100 436 Dwight Street Springfield, MA 01103 25-hour Emergency Line 1-888-304-1133</p>	<p>The EPA Contacts are: EPA New England (617) 918-1510 5 Post Office Square Boston, MA 02109</p>
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BMP: Illicit Discharge Detection and Elimination (IDDE) Program

Document Location and/or Web Address: <https://www.dracutma.gov/stormwater-committee>

Description: The IDDE plan has been developed to address the requirements of the United States Environmental Protection Agency's (USEPA's) 2016 National Pollutant Discharge Elimination System (NPDES) General Permit for Stormwater Discharges from Small Municipal Separate Storm Sewer Systems (MS4) in Massachusetts, hereafter referred to as the "2016 Massachusetts MS4 Permit" or "MS4 Permit." The IDDE Program is implemented to systematically find and eliminate sources of non-stormwater discharges to its municipal separate storm sewer system and to implement procedures to prevent such discharges. This IDDE has been prepared to address this requirement.

Responsible Party: Department of Public Works - Stormwater Division

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:

<https://www.dracutma.gov/stormwater-committee>

BMP: Employee Training

Description: Training will be provided to all Department of Public Works employees who conduct work on the drainage system, work on the sanitary sewer system, work in the public right of way where public utilities are present, and any employee who will assist in the outfall sampling program.

Responsible Party: Department of Public Works – Stormwater Division

Measurable Goal (s): Training Occurs Annually.

Training Date (s): June 24, 2019, May 7, 2020

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.

BMP: Sediment and Erosion Control By Law

By Law Link or Reference:

https://www.dracutma.gov/sites/dracutma/files/pages/town_bylaw_pdf_for_website_updated_thru_june_2018.pdf

Responsible Party for Enforcement: Department of Public Works – Stormwater Division and Board of Selectman

BMP: Site Plan Review Procedures

Document Name and/or Web Address:

https://www.dracutma.gov/sites/dracutma/files/uploads/zbl_pdf_for_website_updated_thru_june_6_2016_003.pdf

Description: Reviews proposals and makes recommendations to the Planning Board and the Board of Selectmen on all applications for Special Permits and Site Plan approval applications. Assists landowners, attorneys, engineers, real estate agents and potential buyers with the development process. Coordinates efforts with Regional Planning Agency to insure Town's inclusion in Massachusetts planning, policy and funding decisions. Provides support for community planning and economic development throughout the Town.

Responsible Parties: Planning Board and Board of Selectman

Measurable Goal(s): Conduct site plan review of 100% of projects according to the procedure outlined above.

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

Document Name and/or Web Address:

https://www.dracutma.gov/sites/dracutma/files/pages/town_bylaw_pdf_for_website_updated_thru_june_2018.pdf

Description: To protect, maintain and enhance the public health, safety, environment and general welfare of the Town by establishing minimum requirements and procedures to control the adverse effects of soil erosion and sedimentation, construction site runoff, increased post-

development stormwater runoff and nonpoint source pollution associated with new development and redevelopment.

Responsible Parties: Department of Public Works - Stormwater Division, Conservation Commission, Engineering Department, and Building Department

Measurable Goal (s): Inspect 100% of construction sites as outlined in the above document and take enforcement actions as needed.

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.

BMP: Post-Construction By Law

Town By Law Link or Reference:

https://www.dracutma.gov/sites/dracutma/files/pages/town_bylaw_pdf_for_website_updated_thru_june_2018.pdf

Responsible Party for Enforcement: Stormwater Permitting Authority, Department of Public Works – Stormwater Division, Building Department, and Board of Selectman

BMP: As-Built Drawings

Town By Law Link or Reference:

https://www.dracutma.gov/sites/dracutma/files/pages/town_bylaw_pdf_for_website_updated_thru_june_2018.pdf

Responsible Party for Enforcement: Site Plan Review Process – Building Department, Engineering Department, Stormwater Department, and Public Works Department

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.

BMP: Street Sweeping Program

Document Name: SOP Number 1 – Sweeping Streets and Parking Lots

Web Address: https://www.dracutma.gov/sites/dracutma/files/news/sop_number_1_-_street_sweeping.pdf

Description: This Street Sweeping plan describes the standard operating procedures for sweeping and/or cleaning publicly owned streets and parking lots.

Responsible Party for Enforcement: Department of Public Works - Stormwater Division

BMP: Winter Road Maintenance Program

Document Name: SOP Number 2 – Winter Road Maintenance Program

Web Address: https://www.dracutma.gov/sites/dracutma/files/news/sop_number_2_-_winter_road_maintenance.pdf

Description: This Winter Road Maintenance plan describes the standard operating procedures for winter road maintenance including the use and storage of salt, evaluating the use of alternative materials, and ensure that snow disposal activities do not result in disposal of snow into the waters of the United States.

Responsible Party for Enforcement: Department of Public Works - Stormwater Division

BMP: Catch Basin Cleaning Program

Document Name: SOP Number 3 - Catch Basin Inspection and Cleaning

Web Address: https://www.dracutma.gov/sites/dracutma/files/news/sop_number_3_-_catch_basin_cleaning.pdf

Description: This Catch Basin Inspection and Cleaning standard operating procedure describes the importance of removing trash, sediment, decaying debris, and other solids from stormwater runoff to help minimize flooding and to protect water quality.

Responsible Party for Enforcement: Department of Public Works - Stormwater Division

BMP: Stormwater Treatment Structures Inspection and Maintenance Procedures

Document Name: SOP Number 4 – Stormwater Infrastructure Maintenance

Web Address: https://www.dracutma.gov/sites/dracutma/files/news/sop_number_4_-_stormwater_infrastructure_maintenance.pdf

Description: This Stormwater Infrastructure & Inspecting Constructed BMP's plan describes the policies, procedures, and structures designed to reduce stormwater pollution, prevent contaminant discharges to natural water bodies, and reduce stormwater facility maintenance and costs. Constructed BMP's are permanent site features designed to treat stormwater before infiltrating it to the subsurface or discharging it to a surface water body.

Responsible Party for Enforcement: Department of Public Works - Stormwater Division

BMP: Parks and Open Spaces

Document Name: SOP Number 14 – Operation and Maintenance of Parks and Open Spaces

Web Address: https://www.dracutma.gov/sites/g/files/vyhli501/f/news/sop_number_14_-_operations_and_maintenance_of_parks_and_open_spaces.pdf

Description: Parks and open space operations and maintenance activities commonly involve the operation of equipment such as mowers and tractors; disposal of waste from mowing, planting, weeding, raking, pruning, and trash collection; application of pesticides, herbicides, and fertilizers; cleaning and maintenance of park amenities such as play equipment, restrooms, and structures; and snow removal. These activities have the potential to generate contaminants such as sediments and toxic chemicals that may be picked up by rainwater, thereby entering the storm drainage system and receiving waters. Municipal employees are given guidance to reduce the discharge of pollutants from the MS4 and to receiving waters as a result of parks and open space operations and maintenance.

Responsible Party for Enforcement: Department of Public Works – Tree Department

BMP: Municipal Buildings and Facilities

Document Name: SOP Number 15 – Operation and Maintenance of Municipal Buildings and Facilities

Web Address: https://www.dracutma.gov/sites/g/files/vyhli501/f/news/sop_number_15_-_operation_and_maintenance_of_municipal_building_and_facilities.pdf

Description: Town buildings and facilities are potential sources of pollutant discharges to the storm drainage system. Municipal employees are provided with guidance on the use, storage, and

disposal of chemicals and other stormwater pollutants to reduce the discharge of pollutants from the MS4.

Responsible Party for Enforcement: Department of Public Works – Building Maintenance Supervisor and Supervisor of Buildings and Grounds

BMP: Municipal Vehicles and Equipment

Document Name: SOP Number 16 – Operation and Maintenance of Municipal Vehicles and Equipment

Web Address: https://www.dracutma.gov/sites/g/files/vyhlij501/f/news/sop_number_16_-_operation_and_maintenance_of_municipal_vehicles_and_equipment.pdf

Description: Regular maintenance of both municipal vehicles and heavy equipment not only prolongs the life of municipal assets but also helps reduce the potential for leaking of fluids associated with normal wear and tear. Potential pollutants include fuels, oil, antifreeze, brake fluid, solvents, and battery acid

Responsible Party for Enforcement: Department of Public Works – General Foreman of Vehicle Maintenance Department
