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**Tighe & Bond**

## **Stormwater Management Plan**

Prepared For:

**Town of Granby  
NPDES Permit #: MA041007**

August 2018

# Stormwater Management Program (SWMP)

Granby, Massachusetts

10-B West State Street Granby MA 01033

EPA NPDES Permit Number MA041007

# 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)

Appendix A - Delegation of Authority

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)

According to EPA Region 1, the areas covered by both the 2000 census and the 2010 census are regulated by EPA under the MS4 program. Therefore, Granby is primarily regulated in the west portion of Town along Route 202, with the majority of the central and eastern section of Town not regulated by EPA under the MS4 program. The Town of Granby is predominantly rural, with the majority of the storm drainage system consisting of small isolated systems with a few catchbasins discharging to a nearby low area, wetland, or stream. The following paragraphs include brief descriptions of current practices the Town undertakes as part of its Stormwater Management Program.

### MCM 1 - Public Education and Outreach

The Town has been able to provide a multi-media public education program related to nonpoint source pollution and stormwater management targeted at multiple audiences through membership in the Connecticut River Stormwater Committee, which has prepared and distributed materials such as a "Soak up the Rain"

website and signs. The Town has taken low-cost and innovative approaches to meet many of the requirements of this Minimum Control Measure.

#### MCM 2 – Public Involvement and Participation

The Town of Granby meets the requirements for the 2003 EPA General Permit. Notice of public meetings complies with State and Local public meeting notice requirements and there are opportunities for residents of all ages to participate in Granby's stormwater program and overall environmental stewardship. Town staff and local citizen groups are actively involved in monitoring the water quality of Granby's surface waters through community stream team cleanup days.

#### MCM 3 – Illicit Discharge and Detection Elimination

The Town has satisfied the mapping requirements of the 2003 General Permit. The Town has mapped outfall locations throughout the Town and has mapped all storm drains and sanitary sewer systems, and is currently incorporating the data into a GIS system.

Granby incorporated regulations that prohibit illicit discharges (Article VII, Section 13: Illicit Connections and Discharges to the Storm Drain System) into the Town of Granby Sewer Use Rules and Regulations in 2008. The Department of Public Works serves as the enforcement agency. Town Staff have been trained on illicit discharges and stormwater outfall investigations and continue to look for the presence of illicit discharges.

#### MCM 4 – Construction Site Stormwater Runoff Control and MCM 5 – Post Construction Stormwater Management in New Development and Redevelopment

Granby incorporated the Erosion and Sediment Control for Stormwater Management regulations (Article X, Section 2) into the Sewer Use Rules and Regulations in 2008. The regulations require that all land disturbing activities greater than or equal to one acre obtain a stormwater permit, meet performance stormwater standards and develop a stormwater management plan. The Bylaw includes monetary penalties, requirements for installation of structural and non-structural BMPs, long term operation and maintenance of the BMPs considerations to address water quality, and inspection procedures.

Procedures for site plan reviews are established and enforced via the Town of Granby Zoning Bylaw (Volume III, Chapter XXI). Site plan reviews by the Planning Board, Building Inspector, Board of Health, Board of Selectmen, Conservation Commission, Highway Department, Fire Department and Police Department include regular inspections and communication with the developer to ensure adherence to local requirements during construction. The Erosion and Sediment Control for Stormwater Management regulations also contain requirements for post-construction stormwater management.

#### MCM 6 – Pollution Prevention and Good Housekeeping

The Town implements numerous actions to reduce pollutant runoff from municipal operations, including catch basin cleaning, street sweeping, staff training, implementing a curbside solid waste collection program, and expanding the lawn waste collection program. The Town recently acquired a vac truck and sweet sweeper, and performs catch basin cleaning and street sweeping in-house.

#### Groundwater Recharge and Infiltration

Through implementation of the Erosion and Sediment Control for Stormwater Management regulations, the Town evaluates site conditions and design and promotes infiltration BMPs to the maximum extent practicable. Land development activities that require a stormwater management permit must submit a Stormwater Report to document compliance with the ten Massachusetts Stormwater Management Standards. The Town also requires that site plans and landscape plans for all proposed projects must take appropriate steps to prevent pollution of surface or groundwater, and to maximize groundwater recharge.

#### Public Drinking Water Supply Requirements

In its Zoning Bylaw, Granby has a Water Supply Protection District to ensure adequate drinking water quality and quantity, preserve and protect drinking water supplies, conserve natural resources, and prevent contamination of the environment. The Town has inventoried the outfalls within these areas and considers water supply sources and protection areas a priority for stormwater management.

#### Record Keeping

The Town of Granby maintains stormwater management program records that are organized by year and MCM.

#### Discharges to Water Quality Impaired Waters and Total Maximum Daily Load (TMDL) Allocations

Granby's stormwater program is addressing many of the current requirements for discharges to impaired water bodies. Through implementation of its current stormwater program, the Town is controlling the discharge of the pollutants of concern.

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# Small MS4 Authorization

The NOI was submitted on Sep 28, 2018

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

Attached to this document - Appendix B

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Authorization to Discharge was granted on

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

Attached to this document - Appendix C

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# Stormwater Management Program Team

## SWMP Team Coordinator

Name David Desrosiers, P.E. Title Highway Superintendent  
Department Town of Granby Highway Department  
Phone Number (413) 467-7575 Email DaveD@GranbyMA.org

Responsibilities

## SWMP Team

Name Title  
Department  
Phone Number Email

Responsibilities

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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:

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Waterbody segment that receives flow from the MS4	Number of outfalls into receiving water segment	Chloride	Chlorophyll-a	Dissolved Oxygen/DO Saturation	Nitrogen	Oil & Grease/PAH	Phosphorus	Solids/ TSS/ Turbidity	E. coli	Enterococcus	Other pollutant(s) causing impairments
Bachelor Brook (MA34-07)	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"/>	Nutrient / Eutrophication Biological Indicators
Wetland/Tributary to Bachelor 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"/>	Nutrient / Eutrophication Biological Indicators
Muddy Brook	4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Pitchawam Swamp	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"/>	
Stony Brook (MA34-19)	4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Non-Native Aquatic Plans (TMDL not required)
Wetland/Tributary to Stony Brook	16	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Non-Native Aquatic Plans (TMDL not required)
Wetland/Tributary to Aldrich Lake West	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"/>	
Other MS4 Outfalls in Regulated Area but outside of Receiving Water Areas	43	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
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[Click here to lengthen table](#)

LEAP

# 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.

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## 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)
  - Appendix D - Granby National Historic Preservation Act Eligibility Certification
  - Appendix E - Granby Endangered Species Act Eligibility Certification
- Publicly available at the website listed below

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Under what criterion did permittee determine eligibility for ESA?

- Criterion A     Criterion B     Criterion C

Under what criterion did permittee determine eligibility for Historic Properties?

- Criterion A     Criterion B     Criterion C     Criterion D (NH only)

Below add any additional measures for structural controls that you're required to do through consultation with U.S. Fish and Wildlife Service (if applicable):

Not 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):

Not 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: Education and Outreach to Residents**

**BMP Number (Optional) 1A** \_\_\_\_\_

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

**Description:**

Education and outreach goals for BMP 1A include:

- Increasing awareness of the impact of human activities on stormwater runoff and water quality;
- Changing residential behavior over time; and
- Reaching broad audiences with information that appeals to a diverse public.

Granby will provide educational materials and general outreach to residents for stormwater management topics relevant to the Town. Topics may include:

- information about Granby’s impaired waterbodies;
- effects of outdoor activities such as lawn care on water quality (use of pesticides, herbicides, and fertilizers);
- benefits of appropriate on-site infiltration of stormwater;
- effects of automotive work and car washing on water quality;
- proper disposal of swimming pool water; and
- proper management of pet waste.

The Town will build upon the existing public education and outreach program to disseminate educational materials to residents via the internet, email, direct mailing, local cable channel, and/or public posting. The Town will coordinate public educational strategies with the Pioneer Valley Planning Commission's Connecticut River Stormwater Committee (PVPC CRSWC) and take advantage of existing materials wherever possible.

**Targeted Audience:** Residents

**Responsible Department/Parties:** Highway Dept., Select Board, Board of Health, Planning Board, PVPC

**Measurable Goal(s):**

Distribute a minimum of two (2) educational messages spaced at least a year apart

The following methods will be used by the Town to evaluate the effectiveness of the educational messages and overall education program:

- Quantify the number of each audience that is reached during direct mailings
- Track changes in behavior for specific issues addressed with education throughout the permit term (e.g., issues with erosion/sediment control during construction, pet waste bags found in catch basins)

**Message Date(s):**

**BMP: Education and Outreach to Businesses, Institutions, and Commercial Facilities**

**BMP Number (Optional) 1B** \_\_\_\_\_

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

**Description:**

Education and outreach goals for BMP 1B include:

- Increasing awareness of business practices that may contribute to stormwater pollution;
- Changing behavior over time; and
- Improving compliance with local code.

Granby will provide educational materials and general outreach to businesses, institutions, and commercial facilities within Town for stormwater management topics relevant to Granby. Topics may include:

- information about Granby’s impaired waterbodies;
- proper lawn maintenance (use of pesticides, herbicides and fertilizer);
- benefits of appropriate on-site infiltration of stormwater;
- building maintenance (use of detergents);
- minimizing the use of salt or other deicing and anti-icing materials;
- proper storage of salt or other deicing/anti-icing materials (cover/prevent runoff to storm system and contamination to groundwater);
- proper storage of materials (emphasize pollution prevention);
- proper management of waste materials and dumpsters (cover and pollution prevention);
- proper management of parking lot surfaces (sweeping);
- proper car care activities (washing of vehicles and maintenance); and
- proper disposal of swimming pool water by entities such as motels, hotels, and health and country clubs (discharges must be dechlorinated and otherwise free from pollutants).

The Town will build upon the existing public education and outreach program to disseminate educational materials to businesses, institutions, and commercial facilities within Town via the internet, email, direct mailing, local cable channel, and/or public posting. The Town will coordinate public educational strategies with PVPC CRSWC and take advantage of existing materials wherever possible.

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

**Responsible Department/Parties:** Highway Dept., Select Board, Board of Health, Planning Board, PVPC

**Measurable Goal(s):**

Distribute a minimum of two (2) educational messages spaced at least a year apart

The following methods will be used by the Town to evaluate the effectiveness of the educational messages and overall education program:

- Quantify the number of each audience that is reached during direct mailings
- Track changes in behavior for specific issues addressed with education throughout the permit term (e.g., issues with erosion/sediment control during construction, pet waste bags found in catch basins)

**Message Date(s):**

**BMP: Education and Outreach to Developers**

**BMP Number (Optional)** 1C

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

**Description:**

Education and outreach goals for BMP 1C include:

- Increasing awareness of the impact of construction activities on stormwater runoff and water quality;
- Changing developer behavior over time; and
- Improving compliance with local code.

Granby will provide educational materials and general outreach to developers for stormwater management topics relevant to Granby. Topics may include:

- information about Granby’s impaired waterbodies;
- proper sediment and erosion control management practices;
- information about Low Impact Development (LID) principles and technologies; and
- information about EPA’s construction general permit (CGP).

The Town will build upon the existing public education and outreach program to disseminate educational materials to developers via the internet, email, direct mailing, local cable channel, and/or public posting. The Town will coordinate public educational strategies with PVPC CRSWC and take advantage of existing materials wherever possible.

**Targeted Audience:** Developers (construction)

**Responsible Department/Parties:** Highway Dept., Select Board, Board of Health, Planning Board, PVPC

**Measurable Goal(s):**

Distribute a minimum of two (2) educational messages spaced at least a year apart

The following methods will be used by the Town to evaluate the effectiveness of the educational messages and overall education program:

- Quantify the number of each audience that is reached during direct mailings
- Track changes in behavior for specific issues addressed with education throughout the permit term (e.g., issues with erosion/sediment control during construction, pet waste bags found in catch basins)

**Message Date(s):**

**BMP: Education and Outreach to Industrial Facilities**

**BMP Number (Optional)** 1D

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

**Description:**

Education and outreach goals for BMP 1D include:

- Increasing awareness of industrial activities that may contribute to stormwater pollution;
- Changing behavior over time; and
- Improving compliance with local code.

Granby will provide educational materials and general outreach to industrial facilities within Town for stormwater management topics relevant to Granby. Topics may include:

- information about Granby’s impaired waterbodies;
- equipment inspection and maintenance;

- proper storage of industrial materials (emphasize pollution prevention);
- proper management and disposal of wastes;
- proper management of dumpsters;
- minimization of use of salt or other deicing/anti-icing materials;
- proper storage of salt or other deicing/anti-icing materials (cover/prevent runoff to storm system and groundwater contamination);
- benefits of appropriate on-site infiltration of stormwater runoff from areas with low exposure to industrial materials such as roofs or employee parking;
- proper maintenance of parking lot surfaces (sweeping); and
- requirements for coverage under EPA's Multi-Sector General Permit (MSGP).

The Town will build upon the existing public education and outreach program to disseminate educational materials to industrial facilities within Town via the internet, email, direct mailing, local cable channel, and/or public posting. The Town will coordinate public educational strategies with PVPC CRSWC and take advantage of existing materials wherever possible.

**Targeted Audience:** Industrial facilities

**Responsible Department/Parties:** Highway Dept., Select Board, Board of Health, Planning Board, PVPC

**Measurable Goal(s):**

Distribute a minimum of two (2) educational messages spaced at least a year apart

The following methods will be used by the Town to evaluate the effectiveness of the educational messages and overall education program:

- Quantify the number of each audience that is reached during direct mailings
- Track changes in behavior for specific issues addressed with education throughout the permit term (e.g., issues with erosion/sediment control during construction, pet waste bags found in catch basins)

**Message Date(s):**

**BMP:[BMP name here]**

**BMP Number (Optional)** \_\_\_\_\_

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

**Description:**

**Targeted Audience:**

**Responsible Department/Parties:**

**Measurable Goal(s):**



Message Date(s):

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BMP:[BMP name here]

BMP Number (Optional) \_\_\_\_\_

Document Name and/or Web Address:

Description:

Targeted Audience:

Responsible Department/Parties:

Measurable Goal(s):

Message Date(s):

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BMP:[BMP name here]

BMP Number (Optional) \_\_\_\_\_

Document Name and/or Web Address:

Description:

Targeted Audience:

Responsible Department/Parties:

Measurable Goal(s):

Message Date(s):

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BMP:[BMP name here]

BMP Number (Optional) \_\_\_\_\_

Document Name and/or Web Address:

Description:

Targeted Audience:

Responsible Department/Parties:

Measurable Goal(s):

Message Date(s):

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Add BMP

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**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.

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**BMP: Public Review of Stormwater Management Program**

**BMP Number (Optional) 2A** \_\_\_\_\_

**Location of Plan and/or Web Address:**

**Responsible Department/Parties:** Highway Department

**Measurable Goal(s):**

Granby shall provide the public with an opportunity to review this SWMP prior to finalizing it, and with other opportunities to participate in the Town’s Stormwater Program on an annual basis.

While the Highway Department is the responsible party for this BMP, multiple Town Departments can help aid in successful implementation, as public participation in stormwater management initiatives often crosses Departments.

This SWMP was presented at a public meeting on \_\_\_\_\_, 2018 to solicit input from the general public. Additionally, the draft SWMP was made available to the public at the Highway Department office for \_\_\_\_\_ days/weeks.

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

**BMP Number (Optional) 2B** \_\_\_\_\_

**Description:**

Public involvement and participation goals for BMP 2B include:

- Increasing public involvement in and knowledge of Granby’s stormwater program; and
- Improving water quality through local clean up and waste collection events.

Granby shall continue to provide notice for public meetings per Massachusetts General Law requirements, including meetings pertaining to the Stormwater Management Program.

The Town shall continue to provide annual opportunities for public participation in the Program. These opportunities may include, but are not limited to:

- Storm drain stenciling;
- Stormwater-related contents with school or Scout groups;
- Hazardous waste drop off day;
- Yard waste collection days; and/or
- Stream or street clean ups.

**Responsible Department/Parties:** All Town Departments, Boards, and Committees

**Measurable Goal(s):**

Ongoing compliance.

**BMP:** [BMP name here]

**BMP Number (Optional)** \_\_\_\_\_

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

**Description:**

**Responsible Department/Parties:**

**Measurable Goal(s):**

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Add BMP

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# 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) 3A \_\_\_\_\_

Completed (by May 1, 2008)

Ordinances Link or Reference: [https://www.granby-ma.gov/sites/granbyma/files/uploads/sewer\\_use\\_rules\\_regulations.pdf](https://www.granby-ma.gov/sites/granbyma/files/uploads/sewer_use_rules_regulations.pdf)

Department Responsible for Enforcement: Highway Department

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

BMP Number (Optional) 3B \_\_\_\_\_

Completed (by year 1)

Document Name and/or Web Address:

**Description:**

The Town must identify all known locations where SSOs have discharged to the municipal drainage system within the past five (5) years and create an inventory that includes the following information:

- Location, date, time, and volume of each occurrence;
- Whether the discharge entered surface water or the MS4;
- Description, indicating known or suspected cause(s); and
- Mitigation and corrective measures planned and completed.

This inventory must be kept up to date and appended to this SWMP. Each municipal Department can aid in the development and maintenance of the inventory by reporting instances of SSOs found during field work to the Highway Department.

Responsible Department/Parties: Highway 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 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: Western Region (413) 784-1100 436 Dwight Street Springfield, MA 01103 24-hour Emergency Line 1-888-304-1133	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) 3C

Phase I Completed   
(by year 2)

Phase II Completed   
(by year 10)

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

**Description:**

A comprehensive map of Granby's drainage system has been developed, and the Town has met a large portion of the requirements of this BMP. Town staff should continue to update the map as necessary to reflect newly discovered information, corrections or modifications, improved connectivity, and progress made. BMP 3C is ongoing.

**Responsible Department/Parties:** Highway Department

**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) 3D

Written Document Completed (by year 1)

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

**Description:**

Granby has developed and implemented a town-wide IDDE Plan, which includes procedures and timelines developed in accordance with the final General Permit. The Town should continue to update and modify the Plan on an as-needed basis.

**Responsible Department/Parties:** Highway Department

**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:**

At the Highway Department office



**BMP: Employee Training**

**BMP Number (Optional)** 3E

**Description:**

Employees involved in the IDDE Program must be trained annually on the Program, including how to recognize illicit discharges and SSOs in accordance with the IDDE Plan.

**Responsible Department/Parties:** Highway Department

**Measurable Goal(s):**

Training occurs on (DATE(S)) annually.

---

**BMP: Dry Weather Outfall/Interconnection Screening & Sampling**

**BMP Number (Optional)** 3F-1

**Completed**

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

**Description:**

Field investigations must be completed during dry weather conditions to confirm whether any Low or High Priority outfalls have dry weather flow, which may be indicative of illicit connections/discharges. The initial catchment delineation and priority ranking must be updated by the end of Permit Year 3 based on the data gathered in the field. All data gathered during implementation of this BMP must be reported annually.

**Responsible Department/Parties:** Highway Department

**Measurable Goal(s):**

Complete three (3) years after effective date of permit. Track # of illicit discharges identified & volume removed. Summarize screening/ sampling results

---

**BMP: Outfall/Interconnection Catchment Investigations**

**BMP Number (Optional)** 3F-2

**Completed**

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

**Description:**

Each catchment associated with an outfall or interconnection within the MS4 must be investigated based on identified System Vulnerability Factors (SVF, i.e., the likelihood that illicit discharges/connections exist) in that particular area. For all catchments, key junction manholes shall be opened and inspected for evidence of illicit connections during dry weather conditions. For catchments with one or more SVF, wet weather monitoring must be completed. The Town will identify the number of outfall catchments in the MS4 that have been evaluated using the catchment investigation procedure developed under BMP 3D. All data gathered

during implementation of this BMP must be reported annually.  
At the conclusion of field work for this BMP, the outfall/interconnection inventory should be updated and reprioritized for ongoing screening once every five years.

**Responsible Department/Parties:** Highway Department

**Measurable Goal(s):**

Complete 10 years after effective date of permit. Track # and percentage of MS4 catchments evaluated.  
Track # of illicit discharges identified & volume removed. Summarize screening/sampling results

---

**BMP:[BMP name here]**

**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) 4A \_\_\_\_\_

Completed (by May 1, 2008)

Ordinances Link or Reference: [https://www.granby-ma.gov/sites/granbyma/files/uploads/sewer\\_use\\_rules\\_regulations.pdf](https://www.granby-ma.gov/sites/granbyma/files/uploads/sewer_use_rules_regulations.pdf)

Department Responsible for Enforcement: Highway Department

---

**BMP: Site Plan Review Procedures**

BMP Number (Optional) 4A \_\_\_\_\_

Written procedures completed (by year 1)

Document Name and/or Web Address:

**Description:**

Modify local bylaw and regulations, if necessary, to contain new MS4 provisions per section 2.3.5.

Responsible Department/Parties: Highway Dept., Select Board, Planning Board, ConCom, Town Counsel, B

**Measurable Goal(s):**

Review current procedures and modify if necessary within 1 year of permit effective date.  
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) 4B \_\_\_\_\_

Completed (by year 1)

Document Name and/or Web Address:

**Description:**

Granby shall develop written procedures for site inspections and enforcement of sediment and erosion control measures. They will include procedures for tracking the number of site reviews, inspections, and enforcement actions.

Responsible Department/Parties: Highway Dept., Select Board, Planning Board, ConCom, Town Counsel, B

**Measurable Goal(s):**

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

---

**BMP:[BMP name here]**

BMP Number (Optional) \_\_\_\_\_

Completed

Document Name and/or Web Address:

Description:

Responsible Department/Parties:

Measurable Goal(s):

---

Add BMP

DRAFT

# 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)** 5A

**Completed (by year 2)**

**Town Ordinances Link or Reference:** [https://www.granby-ma.gov/sites/granbyma/files/uploads/sewer\\_use\\_rules\\_regulations.pdf](https://www.granby-ma.gov/sites/granbyma/files/uploads/sewer_use_rules_regulations.pdf)

**Department Responsible for Enforcement:** Highway Department

---

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

**BMP Number (Optional)** 5B

**Completed (by year 4)**

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

**Description:**

In accordance with General Permit Section 2.3.6.b, Granby shall develop a report assessing current street design and parking lot guidelines and other local requirements that affect the creation of impervious cover. This assessment shall be used to provide information to allow the Town to determine if changes to design standards for streets and parking lots can be made to support low impact design (LID) options. Input will be gathered from multiple Town departments. The final report will be appended to this SWMP once completed.

**Responsible Department/Parties:** Select Board, Planning Board, Town Counsel, PVPC CRSWC

**Measurable Goal(s):**

Complete report no later than 4 years of permit effective date.  
Recommendations are implemented by Permit Year 9 with progress reported annually.

---

**BMP: Green Infrastructure Report**

**BMP Number (Optional)** 5C

**Completed (by year 4)**

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

**Description:**

As detailed in General Permit Section 2.3.6.c, Granby shall develop a report assessing local regulations to determine the feasibility of making green roofs, infiltration practices, and water harvesting devices allowable when appropriate site conditions exist. The Town shall implement all recommendations in accordance with the schedules contained in the assessment.

**Responsible Department/Parties:** Select Board, Planning Board, Town Counsel, PVPC CRSWC

**Measurable Goal(s):**

Complete report no later than 4 years of permit effective date.  
Recommendations are implemented by Permit Year 9 with progress reported annually.

---

**BMP: List of Municipal Retrofit Opportunities**

**BMP Number (Optional)** 5D

**Completed (by year 4)**

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

**Description:**

The Town must identify at least five town-owned properties that could potentially be modified or retrofitted with BMPs designed to reduce the frequency, volume, and pollutant loads of stormwater discharges through a reduction of impervious area. General Permit Section 2.3.6.d describes factors and considerations for selecting potential sites with the goal of reducing impervious area and improving water quality. The inventory must be updated annually starting in Permit Year 5.

**Responsible Department/Parties:** Highway Department, Select Board, Planning Board

**Measurable Goal(s):**

Complete report no later than 4 years of permit effective date and update as needed. Beginning in year 5 keep running list of at least 5 retrofit sites.

---

**BMP: [BMP name here]**

**BMP Number (Optional)** \_\_\_\_\_

**Completed**

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

**Description:**

**Responsible Department/Parties:**

**Measurable Goal(s):**

---

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) 6A

Written Document Completed (by year 2)

Document Name and/or Web Address:

**Description:**

Granby has developed a written Town-Wide O&M program for municipal facilities and equipment, including:

- Parks and open space;
- Buildings and facilities, including schools, where pollutants are exposed to stormwater runoff; and
- Vehicles and equipment.

This plan includes an inventory of the municipally-owned facilities and equipment. The inventory and written program will be appended to this SWMP.

**Responsible Department/Parties:** Highway Department

**Measurable Goal(s):**

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

**Properties List (Optional):**

Appendix F - Municipal Facilities O&M

---

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

BMP Number (Optional) 6A

Written Document Completed (by year 2)

Document Name and/or Web Address:

**Description:**

Granby has developed a written Town-Wide Operation and Maintenance Program for municipal facilities and equipment, including:

- Parks and open space;
- Buildings and facilities, including schools, where pollutants are exposed to stormwater runoff; and
- Vehicles and equipment.

This plan includes an inventory of the municipally-owned facilities and equipment. The inventory and written program will be appended to this SWMP.

**Responsible Department/Parties:** Highway Department, School Department

**Measurable Goal(s):**

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

**Properties List (Optional):**  
Appendix F - Municipal Facilities O&M

---

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

**BMP Number (Optional)** 6A

**Written Document Completed (by year 2)**

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

**Description:**

Granby has developed a written Town-Wide Operation and Maintenance Program for municipal facilities and equipment, including:

- Parks and open space;
- Buildings and facilities, including schools, where pollutants are exposed to stormwater runoff; and
- Vehicles and equipment.

This plan includes an inventory of the municipally-owned facilities and equipment. The inventory and written program will be appended to this SWMP.

**Responsible Department/Parties:** Highway Department

**Measurable Goal(s):**

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

**Properties List (Optional):**  
Appendix F - Municipal Facilities O&M

---

**INFRASTRUCTURE**

**BMP: Infrastructure Operations and Maintenance Procedures**

**BMP Number (Optional)** 6B

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

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

**Description:**

Granby shall develop an MS4 Infrastructure Town-Wide Operation & Maintenance plan that describes the activities and procedures used to maintain MS4 infrastructure in a timely manner to reduce the discharge of pollutants from the MS4.

**Responsible Department/Parties:** Highway Department

**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) 6C

Written Procedure Completed (by year 1)

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

**Description:**

The Town must clean and inspect catch basins to make sure that catch basins are no more than 50% full, and develop and implement a program to optimize routine inspections, cleaning, and maintenance of catch basins. If a catch basin is consistently less than 50% full, the Town can reduce the frequency of cleanings. If a catch basin is more than 50% full during two consecutive cleanings/inspections, the Town must investigate the contributing drainage area for sources of excessive sediment loading abate contributing sources when possible. Store and dispose/reuse catch basin cleanings according to MassDEP policies. The Town-Wide O&M Program plan referred to under BMP 6A includes additional recommendations and guidance for this BMP.

**Responsible Department/Parties:** Highway Department

**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) 6D

Written Procedure Completed (by year 1)

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

**Description:**

Establish and implement procedures for sweeping and/or cleaning streets and Town-owned parking lots. All streets must be swept and/or cleaned at least once per year in the spring (excluding rural streets with no curbs or catch basins). More frequent sweeping shall occur in targeted areas on the basis of pollutant load reduction potential. Store and dispose/reuse street sweepings according to MassDEP policies. For rural streets with no curbs or catch basins, the Town must sweep at least once per year or develop a targeted inspection and sweeping plan for those streets.

The Town-Wide Operation and Maintenance Program plan referred to under BMPs 6A includes additional recommendations and guidance for this BMP.

**Responsible Department/Parties:** Highway Department

**Measurable Goal(s):**

Annually sweep 100% of all streets municipal parking lots in accordance with the above schedule.

---

**BMP: Winter Road Maintenance Program**

BMP Number (Optional) 6E

Written Procedure Completed (by year 1)

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

**Description:**

Establish and implement procedures for winter road maintenance, including the use and storage of salt and sand. The Town-Wide Operation and Maintenance Program plan referred to under BMP 6A includes additional recommendations and guidance.

**Responsible Department/Parties:** Highway Department

**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) 6F

Completed (by year 1)

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

**Description:**

The Town shall develop inspection and maintenance procedures and frequencies for all stormwater treatment structures. An important first step will be to improve the inventory, mapping, and record keeping procedures for Town-owned or operated stormwater BMPs, such as detention ponds and swales. All town-owned BMPs must be inspected annually at a minimum.

**Responsible Department/Parties:** Highway Department

**Measurable Goal(s):**

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

---

**BMP: SWPPP**

BMP Number (Optional) 6G

Completed (by year 2)

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

**Description:**

The Town will prepare and implement a SWPPP for the Town's Highway Facility.

**Responsible Department/Parties:** Highway Department

**Measurable Goal(s):**

Develop and implement SWPPPs for 100% of facilities.

---

**BMP:**

**BMP Number (Optional)** \_\_\_\_\_

**Completed**

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

**Description:**

**Responsible Department/Parties:**

**Measurable Goal(s):**

---

Add BMP

DRAFT

# Annual Evaluation

## Year 1 Annual Report

Document Name and/or Web Address:

## Year 2 Annual Report

Document Name and/or Web Address:

## Year 3 Annual Report

Document Name and/or Web Address:

## Year 4 Annual Report

Document Name and/or Web Address:

## Year 5 Annual Report

Document Name and/or Web Address:

## Year X Annual Report

Document Name and/or Web Address:

Add a Year

## TMDLs and Water Quality Limited Waters

Select the applicable Impairment(s) and/or TMDL(s).

### Impairment(s)

- Bacteria/Pathogens     Chloride     Nitrogen     Phosphorus  
 Solids/oil/grease (hydrocarbons)/metals

### TMDL(s)

*In State:*

- Assabet River Phosphorus     Bacteria and Pathogen     Cape Cod Nitrogen  
 Charles River Watershed Phosphorus     Lake and Pond Phosphorus

*Out of State:*

- Bacteria and Pathogen     Metals     Nitrogen     Phosphorus

Clear Impairments and TMDLs



# Bacteria/Pathogens

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

Applicable Receiving Waterbody(ies)	TMDL Name (if applicable)	Add/Delete Row
Stony Brook (MA34-19)		<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:

BMP 3D: catchments in the Town draining to the waterbody impaired for E. Coli will be designated either as Problem Catchments or HIGH priority

### *Public Education and Outreach*

*(Public education messages can be combined with other public education requirements as applicable (see Appendix H and F for more information))*

Annual message encouraging the proper management of pet waste, including noting any existing ordinances where appropriate

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

BMP 1A: Education and outreach to Residential stakeholders will be supplemented with annual timed messages on specific educational topics, including pet waste management and septic system maintenance

Permittee or its agents disseminate educational material to dog owners at the time of issuance or renewal of dog license, or other appropriate time

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

BMP 1A: Education and outreach to Residential stakeholders will be supplemented with annual timed messages on specific educational topics, including pet waste management and septic system maintenance

---

Provide information to owners of septic systems about proper maintenance in any catchment that discharges to a water body impaired for bacteria

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

BMP 1A: Education and outreach to Residential stakeholders will be supplemented with annual timed messages on specific educational topics, including pet waste management and septic system maintenance.

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# Nitrogen

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

Applicable Receiving Waterbody(ies)	TMDL Name (if applicable)	Add/Delete Row
All	Long Island Sound TMDL for Nitrogen	<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:

BMP 3D: outfalls to receiving waters associated with the Connecticut River and Long Island Sound will be ranked as high priority for IDDE implementation

### *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:

BMP 1A and 1B: Education and outreach to Residential and Business/Commercial/Institution stakeholders will be supplemented with annual timed messages on specific topics (grass clippings, fertilizers, pet waste, and leaf litter)

-----

Distribute an annual message in the summer (June/July) encouraging the proper management of pet waste, including noting any existing ordinances where appropriate

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

BMP 1A and 1B: Education and outreach to Residential and Business/Commercial/Institution stakeholders will be supplemented with annual timed messages on specific topics (grass clippings, fertilizers, pet waste, and leaf litter)

-----

Distribute an annual message in the fall (August/September/October) encouraging the proper disposal of leaf litter

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

BMP 1A and 1B: Education and outreach to Residential and Business/Commercial/Institution stakeholders will be supplemented with annual timed messages on specific topics (grass clippings, fertilizers, pet waste, and leaf litter)

*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:

BMP 6A: written O&M procedures have been developed, and include procedures for proper management of fertilizers, grass cuttings, and leaf litter on permittee-owned property.

---

Establish procedures to properly manage grass cuttings and leaf litter on permittee property, including prohibiting blowing organic waste materials onto adjacent impervious surfaces

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

BMP 6A: written O&M procedures have been developed, and include procedures for proper management of fertilizers, grass cuttings, and leaf litter on permittee-owned property.

---

Increase street sweeping frequency of all municipal owned streets and parking lots subject to Permit part 2.3.7.a.iii.(c) to a minimum of two times per year (spring and fall)

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

BMP 6D: street sweeping of all municipally owned streets and parking lots will be increased to two times per year (spring and fall) except rural streets with no curbs or catch basins, which the Town must sweep at least once per year or develop a targeted inspection and sweeping plan.

*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 annual report will contain a table tracking existing structural BMPs installed in the Town from the Table 3 list in Attachment 1 of Appendix H, the total area treated by the design storage volume, and the estimated nitrogen removed per year.

#### 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:

BMP 5A: The Town's existing Stormwater Management Bylaw will be modified to contain new provisions related to optimization of stormwater management BMPs for nitrogen removal.

#### Requirements Due by Year 4

---

Complete a Nitrogen Source Identification Report

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

The development and submission of a Nitrogen Source Identification Report will be performed as part of the year 4 annual report, and the year 5 annual report will include an evaluation of all properties identified as presenting retrofit opportunities or areas for structural BMP installation as part of MCM 5 or identified in the Nitrogen Source Identification Report.

##### *Stormwater Management in New Development and Redevelopment*

---

Retrofit inventory and priority ranking under 2.3.6.1.b. shall include consideration of BMPs to reduce nitrogen discharges

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

BMP 5D: The report containing a detailed inventory of MS4-owned properties and a running list of at least 5 sites that have potential for retrofits that will be developed will include options for nitrogen-reduction BMPs.

#### 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:

BMP 5D: The report containing a detailed inventory of MS4-owned properties and a running list of at least 5 sites that have potential for retrofits that will be developed will include options for nitrogen-reduction BMPs.

---

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:

BMP 5D: The report containing a detailed inventory of MS4-owned properties and a running list of at least 5 sites that have potential for retrofits that will be developed will include options for nitrogen-reduction BMPs.

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# Solids, Oil and Grease (Hydrocarbons), or Metals

Combination of Impaired Requirements and TMDL Requirements as Applicable

Applicable Receiving Waterbody(ies)	TMDL Name (if applicable)	Add/Delete Row
Stony Brook (MA34-19)		<input type="button" value="+"/> <input type="button" value="-"/>

## Annual Requirements Beginning Year 1

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

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

BMP 3D: catchments in the Town draining to the waterbody impaired for turbidity will be designated either as Problem Catchments or HIGH priority.

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

Increase street sweeping frequency of all municipal owned streets and parking lots to a schedule to target areas with potential for high pollutant loads

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

BMP 6D: street sweeping of all municipally owned streets and parking lots will be increased to two times per year (spring and fall) except rural streets with no curbs or catch basins, which the Town must sweep at least once per year or develop a targeted inspection and sweeping plan.

Prioritize inspection and maintenance for catch basins to ensure that no sump shall be more than 50 percent full; Clean catch basins more frequently if inspection and maintenance activities indicate excessive sediment or debris loadings

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

BMP 6C: catch basin maintenance procedures will be developed and implemented to ensure that no sump shall be more than 50% full.

## Requirements Due by Year 2

*Stormwater Management in New Development and Redevelopment*

---

Stormwater management systems designed on commercial and industrial land use area draining to the water quality limited water body shall incorporate designs that allow for shutdown and containment where appropriate to isolate the system in the event of an emergency spill or other unexpected event

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

BMP 4A: The existing erosion control bylaw will be evaluated and revised as necessary to ensure that stormwater management systems designed on commercial and industrial land use area draining to the water quality limited water body shall incorporate designs that allow for shutdown and containment where appropriate to isolate the system in the event of an emergency spill or other unexpected event.

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**Tighe&Bond**

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**APPENDIX A**

Date

Ms. Thelma Murphy  
U.S. Environmental Protection Agency  
5 Post Office Square, Suite 100 (OEP06-1)  
Boston, MA 02109-3912

Re: EPA NPDES 2016 Massachusetts Small Municipal Separate Storm Sewer System (MS4)  
General Permit  
Delegating an "Authorized Representative"

Dear Ms. Murphy:

This letter serves to designate the **Town of Granby Highway Superintendent** as an authorized person for signing all reports including but not limited to the Stormwater Management Plan (SWMP), Stormwater Pollution Prevention Plans (SWPPPs), inspection reports, annual reports, monitoring reports, reports on training, and other information required by the Small MS4 General Permit. This authorization cannot be used for signing an NPDES permit application (e.g., Notice of Intent (NOI)) in accordance with 40 CFR 122.22.

By signing this authorization, I confirm that I meet the following requirements to make such a designation as set forth in Part B.11 of Appendix B of the Small MS4 General Permit:

*For a municipality, state, federal, or other public agency: By either a principal executive officer or ranking elected official. For purposes of this subsection, a principal executive officer of a federal agency includes (i) the chief executive officer of the agency, or (ii) a senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency (e.g., Regional Administrator of EPA).*

"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."

Sincerely,

Mark L. Bail  
Chair, Town of Granby Board of Selectmen