

# **Stormwater Management Program (SWMP)**

Wilton NH

**Permit Year 5**

EPA NPDES Permit Number NHR041000

# Certification

*Instructions: 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. Use the following language if your municipality wishes to file using an authorized representative.*

## Authorized Representative:

The authorization letter is:

- ☐ Attached to this document (document name listed below):

- ☐ Publicly available at the website:

*Instructions: Use the following language if signed by a person described in Appendix B.*

“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

# Background

## **Stormwater Regulation**

The Stormwater Phase II Final Rule was promulgated in 1999 and was the next step after the 1987 Phase I Rule in EPA's effort to preserve, protect, and improve the Nation's water resources from polluted stormwater runoff. The Phase II program expands the Phase I program by requiring additional operators of MS4s in urbanized areas and operators of small construction sites, through the use of NPDES permits, to implement programs and practices to control polluted stormwater runoff. Phase II is intended to further reduce adverse impacts to water quality and aquatic habitat by instituting the use of controls on the unregulated sources of stormwater discharges that have the greatest likelihood of causing continued environmental degradation. Under the Phase II rule all MS4s with stormwater discharges from Census designated Urbanized Area are required to seek NPDES permit coverage for those stormwater discharges.

## **Permit Program Background**

On May 1, 2003, EPA Region 1 issued its Final General Permit for Stormwater Discharges from Small Municipal Separate Storm Sewer Systems (2003 small MS4 permit) consistent with the Phase II rule. The 2003 small MS4 permit covered "traditional" (i.e., cities and towns) and "non-traditional" (i.e., Federal and state agencies) MS4 Operators located in the states of Massachusetts and New Hampshire. This permit expired on May 1, 2008 but remained in effect until operators were authorized under the 2016 MS4 general permit, which became effective on July 1, 2018.

## **Stormwater Management Program (SWMP)**

The SWMP describes and details the activities and measures that will be implemented to meet the terms and conditions of the permit. The SWMP accurately describes the permittees plans and activities. The document should be updated and/or modified during the permit term as the permittee's activities are modified, changed or updated to meet permit conditions during the permit term. The main elements of the stormwater management program are (1) a public education program in order to affect public behavior causing stormwater pollution, (2) an opportunity for the public to participate and provide comments on the stormwater program (3) a program to effectively find and eliminate illicit discharges within the MS4 (4) a program to effectively control construction site stormwater discharges to the MS4 (5) a program to ensure that stormwater from development projects entering the MS4 is adequately controlled by the construction of stormwater controls, and (6) a good housekeeping program to ensure that stormwater pollution sources on municipal properties and from municipal operations are minimized.

## **Town Specific MS4 Background** (optional)

# Small MS4 Authorization

The NOI was submitted on

09/26/2018

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

<https://www.epa.gov/npdes-permits/regulated-ms4-new-hampshire-communities>

Authorization to Discharge under the 2017 NH Small MS4 General Permit was granted on

05/14/2019

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

[https://www.wiltonnh.gov/government/stormwater\\_management](https://www.wiltonnh.gov/government/stormwater_management)

# Stormwater Management Program Team

**SWMP Team Coordinator:**

Position/Title:

Nicholas Germain  
Town Administrator  
(603) 654-3299  
WiltonTA@wiltonnh.gov

**SWMP Team:**

Position/Title:

Mike Tatro  
Director DPW  
(603) 654-6602  
[highway@wiltonnh.gov](mailto:highway@wiltonnh.gov)

## **Receiving Waters**

The list of receiving waters, impairments and number of outfalls discharging to each waterbody segment has been included in the Notice of Intent. Impairments have been updated as described in the TMDLs and Water Quality Limited Waters section of this plan.

## **Eligibility: Endangered Species and Historic Properties**

Endangered Species and Historic Properties eligibility information has been included in the Notice of Intent.

**MCM 1**  
**Public Education and Outreach**  
Permit Part 2.3.2

## **Requirement Year 1 - Bacteria TMDL & Phosphorus Impairment**

### **BMP: Petwaste Disposal**

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

<https://www.wiltonnh.gov/cms/One.aspx?portalId=13599924&pageId=15400128>

#### **Description:**

“Get the Scoop on Poop” campaign uses a local dog mascot “Sirius,” Wilton’s “Spokes Pooch” to spread the word about proper pet waste management, impacts of improper management, disposal requirements, and two new “poop stations” at Whiting Park. Wilton “Get the Scoop on Poop” website and post card mailed to residents promotes the program and encourages dog owners to sign a pledge to pick up pet waste. Postcards will also be available at the Souhegan Sustainability Fair in April, sponsored by the Wilton Conservation Commission. In December 2019, the Girl Scouts in Wilton donated two poop bags to the Stormwater Team. One was installed in the park downtown that is adjacent to the Souhegan River.

#### **Targeted Audience:**

Residents - Pet Owners

#### **Measurable Goal(s):**

Wilton dog owners and/or dog walkers are aware of the potential water quality impacts from pet waste and how to dispose of pet waste properly. Website visits, and signed pledges through the Wilton “Get the Scoop on Poop” campaign will measure any increase of dog owners committed to picking up pet waste.

#### **Message Date:**

Spring 2019

### **BMP: Septic System Maintenance**

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

EPA Septic Smart Brochure

[https://www4.des.state.nh.us/nh-ms4/?page\\_id=54](https://www4.des.state.nh.us/nh-ms4/?page_id=54) and Wilton’s “Get Pumped” webpage at:  
<https://www.wiltonnh.gov/cms/One.aspx?portalId=13599924&pageId=15534337>

#### **Description:**

Wilton’s “Get Pumped” webpage includes information from the NHDES and NH Association on Septage Haulers “Get Pumped” website promoting septic system maintenance with information and septic system pumping rebates through NASH. There is information about companies that is provided on the Town website, social media posts, and brochures.

#### **Targeted Audience:**

Septic System Owners

#### **Measurable Goal(s):**

Residents' awareness of water quality impacts from septic systems, the importance of maintaining septic systems and how to maintain them is measured through number of brochures distributed and number of hits to Wilton website. Changes in residents getting septic systems pumped will be measured through the number of NASH



septic system pump out coupons utilized.

**Message Date:**

Spring 2019 - ongoing message

**BMP: Disposal of Leaf and Grass Clipping**

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

[https://www4.des.state.nh.us/nh-ms4/?page\\_id=54](https://www4.des.state.nh.us/nh-ms4/?page_id=54)

**Description:**

Informational brochure with messaging about impacts from yard waste to water bodies, alternatives to dumping yard waste and laws against dumping yard waste near or in waterbodies will be provided at town hall.

**Targeted Audience:**

Business and Institutions

**Measurable Goal(s):**

Wilton businesses are aware of the water quality impacts of yard waste dumping near or in water bodies and safe alternatives for yard waste disposal.

**Message Date:**

Fall 2019

## **Requirement Years 2 – Bacteria TMDL & Phosphorus Impairment**

### **BMP: Grass and Fertilizer**

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

Green Grass & Clear Water Brochure and Kits.: [https://www4.des.state.nh.us/nh-ms4/?page\\_id=54](https://www4.des.state.nh.us/nh-ms4/?page_id=54).

#### **Description:**

Four- fold flyers produced by UNH Cooperative Extension and NH Sea Grant outlining simple recommendations to keep lawns healthy while reducing water quality impacts - including proper fertilizer techniques and disposal of grass clippings will be made available at town hall and distributed at the Sustainability Fair. Work with local garden club to identify Green Grass & Clean Water Kits distribution methods.

#### **Targeted Audience:**

Residential &/or Business and Institutions

#### **Measurable Goal(s):**

Residents and businesses –especially along the Souhegan River Waterfront area understand the potential water quality impacts from fertilizer and improper disposal of grass clippings and are aware of the proper lawn care management techniques for reducing those impacts. Measurement includes materials distribution methods and numbers and change in visits to UNH Cooperative Extension or Wilton stormwater webpages. In August 2020, a video was added to the show where lawn clippings can be composted at the Recycling Center and the number of views will be tracked.

#### **Message Date:**

Spring 2020 ~ ongoing

### **BMP: Septic System Maintenance:**

#### **Description:**

“Get Pumped!” is a message to septic system owners to maintain their septic systems in working order. This is provided on the Town website, social media posts, and brochures. There is information about companies that will install, repair, and maintain septic systems. In August 2020, we added a link to rebate and promoted the rebate on social media. In addition to the information on our website, we also provided brochures to residents but that was limited after March 2020.

#### **Targeted Audience:**

Septic System Owners - Residents and/or Businesses

#### **Measurable Goal(s):**

The number of brochures distributed and the number of social media interactions and visits to the webpage.

**Message Date:** Ongoing message - updates were made in summer 2020

## **Requirements Year 3 - Bacteria TMDL & Phosphorus Impairment**

### **BMP: Pet Waste Disposal**

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

**Description:**

Wilton distributed 714 Scoop the Poop postcards to dog owners and we doubled the number of people pledging to “Scoop the Poop”. In addition, Wilton installed an accessible trail, Riverwalk. The second dog poop station was installed on the trail.

**Targeted Audience(s):**

Residents - Pet Owners

**Measurable Goal(s):**

We have stocked or restocked the four poop bag stations with **1,400** poop bags in 12 months.

### **BMP: Industrial Outreach**

**Description:**

Distribute outreach letter and stormwater fact sheet to industrial facilities located within MS4 or municipal boundaries to explain best management practices related to maintenance of parking lots, spill prevention, storage of industrial materials, and winter maintenance. Industry facility operators were also made aware that they fall under the EPA Multi-Sector General Permit (MSGP) and must meet those requirements as well.

**Targeted Audiences:**

Industrial Facilities

**Measurable Goal(s):**

Industrial facility operators are aware of the need for proper stormwater best management practices within their facilities and requirements under the EPA MSGP. There were **7** letters, including fact sheets that were distributed during year 3.

**Message Date:**

Ongoing message - updates were made in summer 2021

## Requirements Year 4 - Bacteria TMDL & Phosphorus Impairment

### **BMP: Pet Waste Disposal**

#### **Outreach Resources:**

<https://www.des.nh.gov/sites/g/files/ehbemt341/files/documents/202203- greenworks.pdf>

#### **Description:**

Pet waste flyers based on a “Greenworks” article were made available/ distributed at the Town Clerk’s Office. After the installation and advertising of pet waste stations, a resident volunteer performed two additional surveys on different dates at the same location, and found no incidents to map on either date. These details were reported at several public meetings since the Fall 2021 when areas with installed pet waste stations were discussed; the survey was utilized as an advertising/outreach effort to tangibly illustrate the success of the town’s efforts. The Town’s “Scoop on the Poop” campaign/program page was updated in June 2022.

#### **Targeted Audiences:**

Residents (Pet Owners)

#### **Measurable Goal(s):**

30 flyers were distributed in summer 2022 at the Town Clerk’s office. The pet waste program/campaign was updated in June 2022. 1,200 “Scoop the Poop” station bags were restocked between July 2021 and May 2022, (demonstrating that the stations being advertised are getting used). Pet waste survey was discussed at a minimum of 3 public meetings (two Select Board meetings and at least one Conservation Commission meeting)

#### **Message Date:**

Ongoing Message - updates were made in summer 2022

### **BMP: Construction/Developers Outreach**

#### **Outreach Resources:**

[https://www4.des.state.nh.us/nh-ms4/?page\\_id=54](https://www4.des.state.nh.us/nh-ms4/?page_id=54)

[https://www.wiltonnh.gov/UserFiles/Servers/Server\\_13599840/File/Government/MS4%20Stormwater/Developer%20Outreach%20Letters%20Mailed%20June%202022.pdf](https://www.wiltonnh.gov/UserFiles/Servers/Server_13599840/File/Government/MS4%20Stormwater/Developer%20Outreach%20Letters%20Mailed%20June%202022.pdf)  
(Example letters)

#### **Description:**

In June 2022, Wilton’s Administration Office mailed out developer outreach letters to five area developers known to have operated within the Town’s MS4 area previously, or are in the process of developing properties abutting or nearby within the town. The town’s land use office and land use boards (particularly the Planning Board) also engaged developers or property owners with relevant business before the town.

#### **Targeted Audiences:**

Construction/Developers

#### **Measurable Goal(s):**

Contractors, developers, and municipal or local organizations are made aware of the updates and changes made to the EPA 2022 Construction General Permit including the requirement that those who wish to be considered a qualified person to conduct inspections must meet EPA training standards. Contractors and developers are also made aware of the need for proper erosion control practices during construction work. There were 5 outreach letters that were distributed to municipal and local organizations. The Town’s former Stormwater Manager (Land

Use Administrator), during her tenure in Year 4 also performed **6** stormwater inspections and conducted or helped conduct **3** stormwater site plan reviews.

**Message Date:**

June 2022-Ongoing Message

**BMP: Disposal of Leaf and Grass Clippings**

**Outreach Resources:**

[https://www4.des.state.nh.us/nh-ms4/?page\\_id=54](https://www4.des.state.nh.us/nh-ms4/?page_id=54)

<https://www4.des.state.nh.us/nh-ms4/wp-content/uploads/2021/09/DESyardwastebrochure-mail- layout.docx> – Wilton Customized Mailer Brochure distributed at Town Clerk’s Office in September 2022

**Description:**

Wilton staff printed out and distributed a templated yard waste brochure at the Wilton Town Clerk’s Office in September 2022. Town office staff and Recycling Center personnel are aware of how to direct appropriate disposal of yard waste within town.

**Targeted Audience:**

Residents

**Measurable Goal(s):**

Residents are aware of the water quality impacts of yard waste dumping near or in water bodies and safe alternatives for yard waste disposal. There were **30** flyers distributed in year 4.

**Message Date:**

Ongoing Message - updates were made in fall 2022

**BMP: Grass and Fertilizer**

**Outreach Resources:**

Green Grass Toolbox Page w/ Wilton Flyer source: <https://seagrant.unh.edu/our-work/water- quality/water-quality-lawn-care-outreach-materials>

Municipal program/campaign webpage updated in May 2022:

[https://www.wiltonnh.gov/government/stormwater\\_management/green\\_grass\\_clear\\_water](https://www.wiltonnh.gov/government/stormwater_management/green_grass_clear_water)

**Description:**

The Town of Wilton distributed Green Grass & Clear Water flyers made possible through the NH Sea Grant at the Town Clerk’s Office in June 2022. Town Clerk Staff and personnel at the Wilton Recycling are also trained to direct visitors towards the tenets of the Green Grass and Clear Water Program when related topics come up. We also updated the Town’s Green Grass & Clear Water program webpage on [www.wiltonnh.gov](http://www.wiltonnh.gov) in late May 2022

after the departure of the previous Stormwater manager.

**Targeted Audience:**

Residents and/or Businesses/Institutions

**Measurable Goal(s):**

Lawn care enthusiast residents understand the potential water quality impacts from fertilizer and improper disposal of grass clippings and are aware of the proper lawn care management techniques for reducing those impacts. Measurement includes the quantity of materials distributed. There were **30** flyers distributed during year 4.

**Message Date:**

Ongoing Message - updates were made in summer 2022

**Requirements Year 5s - Bacteria TMDL & Phosphorus Impairment**

**MCM 2**  
**Public Involvement and Participation**  
Permit Part 2.3.3

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

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

[https://www.wiltonnh.gov/government/stormwater\\_management](https://www.wiltonnh.gov/government/stormwater_management)

**Responsible Department/Parties:** Nick Germain, Town Administrator

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

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

### **Resources/Documents:**

Documents and records relating to the permit are retained and available for 5 years to the public at the Wilton Town Hall and on the municipal website: AND on website: <https://www.wiltonnh.gov/> - >[https://www.wiltonnh.gov/government/stormwater\\_management](https://www.wiltonnh.gov/government/stormwater_management)

### **Description:**

The Town's Stormwater Manager provided a formal update to the Wilton Select Board at a regularly scheduled meeting in April 2022. The overarching theme was essentially a "State of Wilton Stormwater" discussion. Topics included discussing the state of the town's Stormwater Program in general terms, and also of particularly important upcoming components, such as the town's summer intern program review and adoption of an IDDE Ordinance. While a final IDDE ordinance was not adopted in Spring 2022, a public hearing took place, and public participation and comment was invited.

Subsequent public meetings, hearings, and updates on an IDDE ordinance occurred throughout Summer 2022, and have provided opportunity for public comment. The Town Administrator has also periodically given updates on the progress of Stormwater topics.

**Responsible Department/Parties:** Nick Germain, Town Administrator

**Measurable Goal(s):** Annual public input provided

## **BMP: Roadside Trash Cleanup**

### **Description:**

Residents collected trash and solid waste from town roadways, which were then transported to the town recycling center. Participants were able to pick up gloves and trash bags from various locations around town for safe trash collection practices. Residents were encouraged to post photos on social media with the hashtag #NHMS4 and #Wilton4Stormwater. Trash pickup was incorporated into Earth Day celebrations at both public schools in Wilton.

**Responsible Department/Parties:** Emergency Services Director, Dave Boissonnault and Sara Spittel



**Measurable Goal(s):**

Keeping solid waste out of the sewer drains: over 870 bags of trash were collected from 68 miles of roads in Wilton. Residents of all ages were able to participate in roadside cleanup.

**Project Date(s):**

Spring 2021 (Year 3), 2022 (Year 4), 2023 (Year 5)

**BMP: Storm Drain Stenciling****Description:**

Students from the local high school led the effort to stencil various storm drains with the reminder: “No Dumping, Drains to River”.

**Responsible Department/Parties:** Wilton Community Center, Sara Spittel, High Mowing School

**Measurable Goal(s):**

30 storm drains were stenciled with the intent to remind residents of safe disposal practices of solid waste. High school students were involved with the creation of informational storm drain stencils.

**Project Date(s):**

Spring 2021

**BMP: Storm Drain Murals****Description:**

Students from the local high school took a field trip to see Wilton’s stormwater infrastructure and created storm drain murals to remind viewers to be responsible stewards of the waterways. They painted these murals on various storm drains around Wilton.

**Responsible Department/Parties:** Wilton-Lyndeborough Cooperative High School, Wilton Community Center

**Measurable Goal(s):**

Students were engaged in creating public art to bring awareness to safe trash disposal practices and the importance of keeping our waterways clean to protect local wildlife. They painted murals and their artwork is available at the local library.

**Project Date(s):**

Spring 2022



**MCM 3**  
**Illicit Discharge Detection and  
Elimination (IDDE) Program**  
Permit Part 2.3.4

**BMP: IDDE Legal Authority**

See Illicit Discharge Detection and Elimination (IDDE) Plan

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

See Illicit Discharge Detection and Elimination (IDDE) Plan

**BMP: Map of Storm Sewer System**

See Illicit Discharge Detection and Elimination (IDDE) Plan

**BMP: IDDE Program**

See Illicit Discharge Detection and Elimination (IDDE) Plan

**BMP: Employee Training**

See Illicit Discharge Detection and Elimination (IDDE) Plan

**MCM 4**  
**Construction Site Stormwater Runoff Control**  
Permit Part 2.3.5

## **BMP: Sediment and Erosion Control Ordinance**

Completed (by May 1, 2008) ☒

### **Ordinances Link or Reference:**

Land Use Laws: Erosion and Sediment Control Plan Standards [Appendix II]  
<https://www.wiltonnh.gov/cms/One.aspx?portalId=13599924&pageId=13786266>

**Department Responsible for Enforcement:** Wilton Planning Board

## **BMP: Site Plan Review Procedures**

Written procedures completed (by year 1) ☒

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

Land Use Laws: Site Plan Regulations [Section D]  
<https://www.wiltonnh.gov/cms/One.aspx?portalId=13599924&pageId=13786266>

**Department Responsible for Enforcement:** Wilton Planning Board

### **Description:**

- Site plan review and approval by the Board shall be required for any proposed development involving property located in the Town of Wilton, or as otherwise required by the Zoning Ordinance
- The Board will evaluate (a) the planning and design of the proposed development, (b) its potential impact on existing Town facilities and services, surrounding natural resources, transportation and/or abutting properties, (c) the ability to comply with Chapter 4 of the Zoning Ordinance, (d) compliance with the other requirements of the Wilton Land Use Laws and Regulations, including, without limitation, the Stormwater Management Regulations
- An applicant shall conduct an analysis of the site focusing on soils; topography; existing vegetation; threatened and endangered species; wetlands and surface waters; drainage patterns; groundwater resources; septic impact; existing structures and road networks; existing and future easements; open space and visual features; historic features; present and future use of the site; impact on public services and facilities such as water, sewer, schools, fire and police; and surrounding land uses.

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

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

Completed (by year 1) ☒

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

Land Use Laws: Erosion and Sediment Control Plan Standards [Appendix II]  
<https://www.wiltonnh.gov/cms/One.aspx?portalId=13599924&pageId=13786266>

**Department Responsible for Enforcement:** Wilton Planning Board

### **Description:**

- Sediment and control plan measures are located at Section 1.0; requirements include a narrative description of construction details and details for the proposed development, a site plan map, and any other information deemed necessary and appropriate by the Applicant or requested by the Planning Board or its designated representative or agent
- Plans for soil erosion and sediment control shall be developed in accordance with these regulations using the measures contained in the Erosion and Sediment Control Design Handbook for Developing Areas of New Hampshire (1987), as amended.
- Inspections shall be made by the Planning Board, its designated representative or agent during development to ensure compliance with the approved plan and proper installation, performance and maintenance of control measures and facilities.

**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



### **BMP: Post-Construction Ordinance**

**Completed** (by year 2) ☒

#### **Town Ordinances Link or Reference:**

**Land Use Laws: Stormwater Management Regulations [Section 4.2-4..4]**  
<https://www.wiltonnh.gov/cms/One.aspx?portalId=13599924&pageId=13786266>

**Department Responsible for Enforcement:** Wilton Select Board

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

**Completed** (by year 6) ☒

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

**Web Address:** <https://www.wiltonnh.gov/cms/One.aspx?portalId=13599924&pageId=14304560>  
**Document Link:**  
[https://cdns5-hosted.civiclive.com/UserFiles/Servers/Server\\_13599840/File/Government/MS4%20Stormwater/2.3.6.c-and-2.3.6.d-Regulation-Assessment-Report-Wilton.pdf](https://cdns5-hosted.civiclive.com/UserFiles/Servers/Server_13599840/File/Government/MS4%20Stormwater/2.3.6.c-and-2.3.6.d-Regulation-Assessment-Report-Wilton.pdf)  
**Regulation Document Names**  
Street Design: ROAD DESIGN STANDARDS AND SPECIFICATIONS  
APPENDIX I Adopted November 20,1991 Parking lot Guidelines: SITE PLAN REGULATIONS SECTION D  
Amended January 4, 2023

**Department Responsible for Enforcement:** Wilton Select Board, Wilton Highway Department

#### **Description:**

Anticipated regulation is generally not prohibited by current regulations or guidelines, but that said, current guidelines do not explicitly encourage certain green infrastructure practices. Progress is being made to incorporate the specific language encouraging green infrastructure into the ordinances.

**Measurable Goal(s):** Recommendations are implemented by year 4 with progress reported annually.

### **BMP: Green Infrastructure Report**

**Completed** (by year 6) ☒

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

[https://cdns5-hosted.civiclive.com/UserFiles/Servers/Server\\_13599840/File/Government/MS4%20Stormwater/2.3.6.c-and-2.3.6.d-Regulation-Assessment-Report-Wilton.pdf](https://cdns5-hosted.civiclive.com/UserFiles/Servers/Server_13599840/File/Government/MS4%20Stormwater/2.3.6.c-and-2.3.6.d-Regulation-Assessment-Report-Wilton.pdf)

**Department Responsible for Enforcement:** Wilton Public Works Department, Wilton Planning Board

**Description:** In Spring 2022, the then Wilton Stormwater Manager conducted a regulation review in conjunction with the Wilton Planning Board. **Changes to language to explicitly encourage green infrastructure has not occurred.**

**Measurable Goal(s):**

**BMP: List of Municipal Retrofit Opportunities**

**Completed** (by year 6)

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

**Description:** The Town is beginning to brainstorm retrofit opportunities at various sites, particularly those listed in the hot spot mapping. Some opportunities have already been executed, such as the 2022 construction of a rain garden at town hall (42 Main street). Stormwater improvement retrofits to roadways or on adjacent town facilities are also being considered in light of a road surface management assessment study being conducted currently by the Nashua Regional Planning Commission in conjunction with the Wilton Public Works Department.

**Measurable Goal(s):** The list will be completed by year 6 and will be updated as needed.

## **MCM 6**

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

Permit Part 2.3.7

## PERMITTEE OWNED FACILITIES

### **BMP: Parks and Open Spaces Operations and Maintenance Procedures**

Written Document Completed (by year 2) ☒

Document Name and/or Web Address:

Municipal Operation and Maintenance (O&M) Programs

[https://cdnsm5-](https://cdnsm5-hosted.civicle.com/UserFiles/Servers/Server_13599840/File/Government/MS4%20Stormwater/Municipal%20O&M%20Programs.pdf)

[hosted.civicle.com/UserFiles/Servers/Server\\_13599840/File/Government/MS4%20Stormwater/Municipal%20O&M%20Programs.pdf](https://cdnsm5-hosted.civicle.com/UserFiles/Servers/Server_13599840/File/Government/MS4%20Stormwater/Municipal%20O&M%20Programs.pdf)

**Responsible Department/Parties:** Stormwater Manager

**Description:**

Establish procedures to address the proper use, storage, and disposal of pesticides, herbicides, and fertilizers (PHF) including minimizing the use of these products in accordance with Section 2.3.7.1.a of the MS4 permit.

- Protective practices include reduced use of PHFs, integrated pest management (IMP), recycling or proper disposal of lawn clippings and other vegetative waste, and use of native and drought resistant landscaping materials

**Measurable Goal(s):**

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

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

Written Document Completed (by year 2) ☒

Document Name and/or Web Address:

Municipal Operation and Maintenance (O&M) Programs

[https://cdnsm5-](https://cdnsm5-hosted.civicle.com/UserFiles/Servers/Server_13599840/File/Government/MS4%20Stormwater/Municipal%20O&M%20Programs.pdf)

[hosted.civicle.com/UserFiles/Servers/Server\\_13599840/File/Government/MS4%20Stormwater/Municipal%20O&M%20Programs.pdf](https://cdnsm5-hosted.civicle.com/UserFiles/Servers/Server_13599840/File/Government/MS4%20Stormwater/Municipal%20O&M%20Programs.pdf)

**Responsible Department/Parties:** Stormwater Manager

**Description:**

Evaluate the use, storage, and disposal of petroleum products and other potential stormwater pollutants. Provide employee training as necessary, ensure that Spill Prevention Plans are in place. Develop management procedures for dumpsters and other waste management equipment. Sweep lots and areas surrounding the facilities clean to reduce runoff of pollutants in accordance with Section 2.3.7.1 b. of the MS4 permit.

**Measurable Goal(s):**

Implement the SOP on 100% of buildings and facilities.

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

Written Document Completed (by year 2) ☒

Document Name and/or Web Address:

Municipal Operation and Maintenance (O&M) Programs: Vehicle and Equipment Storage [B.9]  
[https://cdnsm5-hosted.civiclive.com/UserFiles/Servers/Server\\_13599840/File/Government/MS4%20Stormwater/Municipal%20O&M%20Programs.pdf](https://cdnsm5-hosted.civiclive.com/UserFiles/Servers/Server_13599840/File/Government/MS4%20Stormwater/Municipal%20O&M%20Programs.pdf)

**Responsible Department/Parties:** Stormwater Manager

**Description:**

Establish procedures for the storage of permittee vehicles. Vehicles with fluid leaks shall be stored indoors of containment shall be provided. Evaluate fueling areas owned by the permittee or used by permittee vehicles. Establish procedures to ensure that vehicle wash waters are not discharged to municipal storm drains or surface waters.

**Measurable Goal(s):**

Implement the SOP on 100% of vehicles and equipment.

## INFRASTRUCTURE

### **BMP: Catch Basin Cleaning Program**

**Written Document Completed** (by year 1) ☒

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

Municipal Operation and Maintenance (O&M) Programs: [Section B.1]  
[https://cdnsm5-hosted.civiclive.com/UserFiles/Servers/Server\\_13599840/File/Government/MS4%20Stormwater/Municipal%20O&M%20Programs.pdf](https://cdnsm5-hosted.civiclive.com/UserFiles/Servers/Server_13599840/File/Government/MS4%20Stormwater/Municipal%20O&M%20Programs.pdf)

**Responsible Department/Parties:** Stormwater Manager

**Description:**

The Wilton Highway Department performs routine inspections, cleaning, and maintenance of the 526 catch basins that are located within the MS4 regulated area. The will implement the following catch basin inspection and cleaning procedures to reduce the discharge of pollutants from the MS4.

- Routine inspection and cleaning of catch basins. Catch basins should be cleaned such that they are no more than 50 percent full<sup>1</sup> at any time. The Wilton Highway Department will initially inspect all catch basins within the regulated area within two (2) years of the effective date of the permit to evaluate sediment or debris accumulation and establish optimal inspection and maintenance frequencies to meet the “50 percent” goal.
- If a catch basin sump is more than 50 percent full during two consecutive routine inspections or cleaning events, the finding will be documented, the contributing drainage area will be investigated for sources of excessive sediment loading, and to the extent practicable, contributing sources will be addressed. If no contributing sources are found, the inspection and cleaning frequency will be increased.
- Catch basins located near construction activities (roadway construction, residential, commercial, or industrial development or redevelopment) will be inspected and cleaned more frequently if inspection and maintenance activities indicate excessive sediment or debris loadings (i.e., catch basins more than 50

percent full). Priority will also be given to catch basins that discharge to impaired waters.

- The following information will be included in each annual report:
  - Any action taken in response to excessive sediment or debris loadings
  - Total number of catch basins
  - Number of catch basins inspected
  - Number of catch basins cleaned
  - Total volume or mass of material removed from catch basins.

**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.

**Description / note:** As of Spring 2023, no catch basin has been found to ever be over 50% full. Wilton public works staff currently theorize it could actually be at least several years under normal conditions before any single Town of Wilton-owned catch basin currently installed in town would exceed 50%. Once a year cleaning will occur, unless average conditions change, or special conditions due to construction or some other natural or unnatural event is observed that affects particular catch basins.

**BMP: Street Sweeping Program**

Written Document Completed (by year 1) ☒

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

**M&O Programs: [Section B.24]**

[https://cdnsm5-hosted.civiclive.com/UserFiles/Servers/Server\\_13599840/File/Government/MS4%20Stormwater/Municipal%20O&M%20Programs.pdf](https://cdnsm5-hosted.civiclive.com/UserFiles/Servers/Server_13599840/File/Government/MS4%20Stormwater/Municipal%20O&M%20Programs.pdf)

**Responsible Department/Parties:** Stormwater Manager and Wilton Highway Department

**Description:**

The Wilton Highway Department will implement the following street and parking lot sweeping procedures to reduce the discharge of pollutants from the MS4:

- All streets with the exception of rural uncurbed roads with no catch basins or high-speed limited access highways will be swept and/or cleaned a minimum of once per year in the spring (following winter activities such as sanding).
- More frequent sweeping will be considered for targeted areas based on pollutant load reduction potential, inspections, pollutant loads, catch basin cleaning or inspection results, land use, impaired waters, or other factors.
- More frequent sweeping will be considered for municipally-owned streets and parking lots in areas that discharge to certain nutrient-impaired waters.
- For rural uncurbed roadways with no catch basins and limited access highways, the Wilton Highway Department will either meet the minimum frequencies above, or develop and implement an inspection, documentation, and targeted sweeping plan outlining reduced frequencies within two (2) year of the effective date of the permit and submit such plan with its year one annual report.
- The following information will be included in each annual report:
  - Number of miles cleaned, or the volume or mass of material removed

**Measurable Goal(s):**

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

**BMP: Winter Road Maintenance Program**

**Written Document Completed** (by year 1) ☒

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

**M&O Programs: [Section B.25]**

[https://cdnsm5-hosted.civiclive.com/UserFiles/Servers/Server\\_13599840/File/Government/MS4%20Stormwater/Municipal%20O&M%20Programs.pdf](https://cdnsm5-hosted.civiclive.com/UserFiles/Servers/Server_13599840/File/Government/MS4%20Stormwater/Municipal%20O&M%20Programs.pdf)

**Responsible Department/Parties:** Stormwater Manager and Wilton Highway Department

**Description:**

The Wilton Highway Department will implement the following winter maintenance procedures to reduce the discharge of pollutants from the MS4:

- Minimize the use and optimize the application of sodium chloride and other salt (while maintaining public safety) and consider opportunities for use of alternative materials.
- Optimize sand and/or chemical application rates through the use, where practicable, of automated application equipment (e.g., zero velocity spreaders), anti-icing and pre-wetting techniques, implementation of pavement management systems, and alternate chemicals. Maintain records of the application of sand, anti-icing and/or de-icing chemicals to document the reduction of chemicals to meet established goals.
- Prevent exposure of deicing product (salt, sand, or alternative products) storage piles to precipitation by enclosing or covering the storage piles. Implement good housekeeping, diversions, containment or other measures to minimize exposure resulting from adding to or removing materials from the pile. Store piles in such a manner as not to impact surface water resources, groundwater resources, recharge areas, and wells
- Provide training for municipal employees on winter roadway maintenance procedures.

**Measurable Goal(s):**

Evaluate at least one salt/chloride alternative for use in the municipality.

**Description:** Currently, the town's deicing tracking methodology is relatively rudimentary (quantities procured versus expended), but it is anticipated sophistication will be gradually developed in conjunction with the anticipated state implementation of municipal green snow pro requirements. So far, no deicing alternative has been found to be acceptable, but staff are beginning to more seriously investigate salt loss prevention and reduction techniques/equipment.

**BMP: Stormwater Treatment Structures Inspection and Maintenance Procedures**

**Written Document Completed** (by year 1) ☒

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

**Land Use Ordinances: Stormwater Management Regulations, Appendix H: [Section 8]**

<https://www.wiltonnh.gov/cms/One.aspx?portalId=13599924&pageId=13786266>

Also see individual facility SWPPP documents.

**Responsible Department/Parties:** Wilton Public Works, Managing Facility Departments

**Description:**

Structural stormwater BMPs will be inspected annually at a minimum and maintained as needed.

**Measurable Goal(s):**

Inspect and Maintain 100% of treatment structures to ensure property function.

**BMP: SWPPP**

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

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

**Wilton Fire Department:**

[https://www.wiltonnh.gov/UserFiles/Servers/Server\\_13599840/File/Government/MS4%20Stormwater/Wilton%20Fire%20Station%20SWPPP\\_DRN.pdf](https://www.wiltonnh.gov/UserFiles/Servers/Server_13599840/File/Government/MS4%20Stormwater/Wilton%20Fire%20Station%20SWPPP_DRN.pdf)

**Wilton Recycling Center:**

[https://www.wiltonnh.gov/UserFiles/Servers/Server\\_13599840/File/Government/MS4%20Stormwater/Wilton%20Recycling%20Center%20SWPPP%202021%20Update%20Final.pdf](https://www.wiltonnh.gov/UserFiles/Servers/Server_13599840/File/Government/MS4%20Stormwater/Wilton%20Recycling%20Center%20SWPPP%202021%20Update%20Final.pdf)

**Wilton Public and Gregg Free Library:**

[https://www.wiltonnh.gov/UserFiles/Servers/Server\\_13599840/File/Government/MS4%20Stormwater/Library%20Stormwater%20Pollution%20Prevention%20Plan.pdf](https://www.wiltonnh.gov/UserFiles/Servers/Server_13599840/File/Government/MS4%20Stormwater/Library%20Stormwater%20Pollution%20Prevention%20Plan.pdf)

**Wilton Police Department:**

[https://www.wiltonnh.gov/UserFiles/Servers/Server\\_13599840/File/Government/MS4%20Stormwater/Wilton%20Police%20Department%20SWPPP.pdf](https://www.wiltonnh.gov/UserFiles/Servers/Server_13599840/File/Government/MS4%20Stormwater/Wilton%20Police%20Department%20SWPPP.pdf)

**Wilton Town Hall Theatre: In Development**

**Responsible Department/Parties:** Wilton Select Board

**Description:**

Develop and implement a SWPPP for all municipally owned or operated facilities in accordance with Section 2.3.7.2 of the MS4 permit.

**Notation:** In 2023, Wilton finished and adopted initial drafts for all municipal facilities within the MS4 area except the town hall theatre, which is being evaluated separately due to its historic nature and central location on main street.

**Measurable Goal(s):**

Develop and implement SWPPP's for 100% of municipally owned facilities.



# Annual Evaluation

## Year 1 Annual Report

Document Name and/or Web Address:

[https://cdnsm5-hosted.civiclive.com/UserFiles/Servers/Server\\_13599840/File/Government/MS4%20Stormwater/Wilton%20NH-Annual-MS4%20Permit%20Report2019.pdf](https://cdnsm5-hosted.civiclive.com/UserFiles/Servers/Server_13599840/File/Government/MS4%20Stormwater/Wilton%20NH-Annual-MS4%20Permit%20Report2019.pdf)

## Year 2 Annual Report

Document Name and/or Web Address:

[https://cdnsm5-hosted.civiclive.com/UserFiles/Servers/Server\\_13599840/File/Government/MS4%20Stormwater/Wilton%20NH-Annual-MS4%20Permit%20Report2020.pdf](https://cdnsm5-hosted.civiclive.com/UserFiles/Servers/Server_13599840/File/Government/MS4%20Stormwater/Wilton%20NH-Annual-MS4%20Permit%20Report2020.pdf)

## Year 3 Annual Report

Document Name and/or Web Address:

[https://cdnsm5-hosted.civiclive.com/UserFiles/Servers/Server\\_13599840/File/Government/MS4%20Stormwater/Wilton%20NH-Annual-MS4%20Permit%20Report2021.pdf](https://cdnsm5-hosted.civiclive.com/UserFiles/Servers/Server_13599840/File/Government/MS4%20Stormwater/Wilton%20NH-Annual-MS4%20Permit%20Report2021.pdf)

## Year 4 Annual Report

Document Name and/or Web Address:

[https://cdnsm5-hosted.civiclive.com/UserFiles/Servers/Server\\_13599840/File/Government/MS4%20Stormwater/Town%20of%20Wilton%20-%20Year%204%20Annual%20Report%20Submission%20-%20New%20Permitee.pdf](https://cdnsm5-hosted.civiclive.com/UserFiles/Servers/Server_13599840/File/Government/MS4%20Stormwater/Town%20of%20Wilton%20-%20Year%204%20Annual%20Report%20Submission%20-%20New%20Permitee.pdf)

## Year 5 Annual Report

Document Name and/or Web Address: TBD

# **TMDLs and Water Quality Limited Waters**

# Bacteria/Pathogens

Per 2018 303d list the following waterbodies are water quality limited where Bacteria is the cause of impairment:

<b>Applicable Receiving Waterbody(ies) as listed in applicable 303d lists</b>	<b>Name</b>
Souhegan River - Tucker Brook	Escherichia Coli

Per Appendix H the following water bodies are subject to a Bacteria TMDL. Please note that updated lists of waterbodies with TMDLs are not provided within this document. The permit states that, “Approved TMDLs” for discharges from the permittee’s MS4 are those that have been approved by EPA as of the issuance date of this permit.” (Section 2.2.1.a). TMDLs that had been approved at the time of the permits issuance will continue to follow the requirements outlined in Appendix F. Any waterbodies that received TMDLs after the issuance of the permit are required to meet the requirements outlined in Appendix H. These waterbodies have been identified in the note sections.:

<b>Applicable Receiving Waterbody(ies) as listed in 2017 approved Appendix H</b>	<b>TMDL/Impairment Name</b>
Souhegan River	Escherichia Coli
Souhegan River-Stony Brook	Escherichia Coli
Souhegan River-Tucker Brook	Escherichia Coli
Souhegan River-Pine Valley Mill	Escherichia Coli
Stony Brook-Town Beach (Goss Park)	Escherichia Coli

## Annual Requirements Beginning Year 1

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

Annual message encouraging the proper management of pet waste, including noting any existing ordinances where appropriate as outlined in this SWMP

# Phosphorus Impairment

Per Section 2.2.2 Wilton is listed as having discharges within the watershed of impaired waterbodies or their tributaries due to phosphorus. Relative to total phosphorous (TP), the EPA MS4 permit created impairment lists based on both TP and TP-related impairments. Wilton has not provided an update to this part of the analysis because the listing methodology employed by NHDES does not include TP-related impairments. Wilton will continue to refer to the lists provided in the MS4 permit on pages 22 through 23.

Applicable Receiving Waterbody(ies)	TMDL/Impairment Name (if applicable)
Souhegan River-Tucker Brook	Phosphorous (Total)

## Annual Requirements Beginning Year 1

Rank outfalls to these receiving waters as high priority for IDDE implementation in the initial outfall ranking (see IDDE Plan for ranking).

Distribute an annual message that encourages the proper use and disposal of grass clippings and encourages the proper use of slow-release and phosphorus-free fertilizers as outlined in this SWMP.

Distribute an annual message encouraging the proper management of pet waste, including noting any existing ordinances where appropriate as outlined in this SWMP.

Distribute an annual message encouraging the proper disposal of leaf litter as outlined in this SWMP.

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) as outlined in this plan.

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

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

Any structural BMPs listed in Table 3 of Attachment 1 to Appendix H already existing or installed in the regulated area by the permittee or its agents shall be tracked and the permittee shall estimate the phosphorus removal by the BMP consistent with Attachment 1 to Appendix H. Document the BMP type, total area treated by the BMP, the design storage volume of the BMP and the estimated phosphorus removed in pass per year by the BMP in each annual report.

## Requirements Due by Year 2

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

## Requirements Due by Year 4

Complete a Phosphorus Source Identification Report.

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

Retrofit inventory and priority ranking under 2.3.6.1.b. shall include consideration of BMPs that infiltrate stormwater where feasible.

## Requirements Due by Year 5

Evaluate all permittee-owned properties identified as presenting retrofit opportunities or areas for structural BMP installation under Permit part 2.3.6.d.ii or identified in the Phosphorus Source Identification Report that are within the drainage area of the impaired water or its tributaries.

Complete a listing of planned structural BMPs and a plan and schedule for implementation.

## Nitrogen Impairment

Applicable Receiving Waterbody(ies)	TMDL/Impairment Name (if applicable)
N/A	N/A

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

Applicable Receiving Waterbody(ies)	TMDL/Impairment Name (if applicable)
Souhegan River – Tucker Brook	Aluminum, Lead

## Lake and Pond Phosphorus TMDL

Applicable Receiving Waterbody(ies)	PCP Complete	TMDL/Impairment Name (if applicable)
N/A	<input type="checkbox"/>	N/A
	<input type="checkbox"/>	
	<input type="checkbox"/>	

# Chloride Impairment

Applicable Receiving Waterbody(ies)	TMDL/Impairment Name (if applicable)
N/A	N/A

Information: The SWMP describes the Department's activities and measures that will be implemented to meet the terms and conditions of the MS4 Permit (revised in 2017)

In addition, the state 303(d) list of impairments is updated every 2 years, so impairments may be added and removed as well as the addition of new TMDLs. The Department anticipates reporting on any changes to the receiving waters list with each future annual report.

Helpful Links: [Template for Stormwater Management Program \(SWMP\) Document \(epa.gov\)](#)

[2019-06-28-swmp-final.pdf \(nh.gov\)](#)

[KM\\_C287-20190925114128 \(civiclive.com\)](#)

[NH Stormwater Coalition Year 3 Annual Report Template \(civiclive.com\)](#)