

**New Hampshire Small MS4 General Permit
Annual Report**

Wilton, NH

Permit Year 3

July 1, 2020 through June 30, 2021

EPA NPDES Permit Number NHR041044

Certification

Authorized Representative:

The authorization letter is:

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

- ☒ Publicly available at the website:

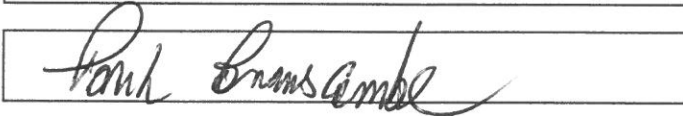
https://www.wiltonnh.gov/government/stormwater_management

"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

Paul Branscombe

Signature



Date

9/27/2024

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Small MS4 Authorization

The following annual report, which serves as a self-assessment, is intended to document the activities undertaken over the **reporting period from July 1, 2020 through June 30, 2021** in accordance with the Permit.

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

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

Compliance activities have been identified and described in the Wilton's Stormwater Management Plan (SWMP) and Illicit Discharge Detection and Elimination Plan (IDDE). Those documents can be found at the following websites and will be referred to throughout this report:

SWMP: https://www.wiltonnh.gov/government/stormwater_management

IDDE: https://www.wiltonnh.gov/government/stormwater_management

MCM1 - Public Education and Outreach

Year 3 Activities

BMP: Grass and Fertilizer

Document Name and/or Web Address:

Green Grass & Clear Water Brochure:

https://www.wiltonnh.gov/government/stormwater_management/green_grass_clear_water

Description:

Spending more time than usual at home these days due to the novel coronavirus pandemic? Thinking about working on the lawn or digging in the garden? Whether you are looking to enjoy more time outside or engage your children in a project, this season is a great time to develop some new habits that will improve your green thumb, help protect the environment, and save money. Whatever we do in our yards affects lakes, rivers, streams and bays downhill. By adopting a few simple practices, we can protect the health of water bodies we love while taking care of ourselves and the people around us by sheltering at home.

This was the message that was posted on our Stormwater webpage along with a video from our Recycling Center Director, Carol Burgess, who explained the new location for grass clippings. The new location moved the grass farther from river.

We promoted this at two public meetings. **Goal was achieved.**

BMP: Pet Waste Disposal

Document Name and/or Web Address:

Get the Scoop on Poop

https://www.wiltonnh.gov/government/stormwater_management/get_the_scoop_on_poop

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Description:

Wilton distributed 714 Scoop the Poop postcards to dog owners and we doubled the number of people pledging to "Scoop the Poop". Moving from a trifold brochure to a postcard was not only cost effective but easy to manage during Covid. We were able to put these in envelopes with receipts.

In addition, Wilton installed an accessible trail, Riverwalk. The second dog poop bag station was installed on the trail. This was highlighted in the ceremony opening and pictures can be found on the website. Dog owners and/or dog walkers are aware of the potential water quality impacts from pet waste, local pet waste ordinances, and how to dispose of pet waste properly. If pledges are signed, there will be an increase of dog owners committed to picking up pet waste.

We have stocked or restocked the four poop bag stations with 1400 poop bags in 12 months. **Goal was achieved.**

BMP: Septic System Maintenance

Document Name and/or Web Address:

Get Pumped!

https://www.wiltonnh.gov/government/stormwater_management/get_pumped

Description:

We used a social media post September 2020 to reach residents and let them know about the coupon available to reduce the cost of septic system pumping.

Targeted Audience:

Septic System Owners

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. Industrial 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 Audience:

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 Multi-Sector General Permit (MSGP).

Following is the number of letters, including fact sheets that were distributed:

Year 3 = 7

Message Date: June 2021

Goal was achieved.

MCM2 - Public Participation

BMP: Public Participation in Stormwater Management Program Development

Description: All our Stormwater documents, programs, events, and photographs are available on our website

https://www.wiltonnh.gov/government/stormwater_management

We invite public participation with comments at all times. In addition, we provided opportunities for residents to roll up their sleeves and make a difference in water quality.

Town-wide clean up - residents picked up over 73 bags of trash and solid waste. Residents picked up blue bags and gloves at various locations in Wilton including Town Hall. On cleanup day, blue bags were gathered and transported to the Recycling Center by our Emergency Services Director, Dave Boissonnault. Participants were encouraged to post photos on social media with the #hashtag #NHMS4 and #Wilton4Stormwater. We had a number of photos tagged on social media and have continued to use the #hashtags.

Stormdrain stenciling! - 10 students from High Mowing High School, a private high school in Wilton, and two adults led the effort to stencil the storm drains in Wilton.

Approximately 30 storm drains were stenciled in an afternoon. This gentle reminder helps keep solid waste out of the waterways of Wilton.

Measurable Goal(s):

The responses from residents was that they wanted more hands-on ways they can help. Both projects led to other projects being started and more participation! **Goal was achieved.**

MCM3 – Illicit Discharge Detection and Elimination

BMP: IDDE Legal Authority

The municipality has established legal authority as outlined in the IDDE plan. Our Performance Standards, Chapter 4 of our Zoning Ordinance, were revised and will augment the Stormwater Regulations.

BMP: Sanitary Sewer Overflow (SSO) Inventory

This is not applicable to Wilton because we do not have sanitary sewer or known sanitary sewer overflows.

Number of SSO's identified Year 3: 0

Number of SSO's removed Year 3: 0

BMP: Map of Storm Sewer System

Map of storm sewer system and associated outfalls is in progress. The stormwater infrastructure was mapped and we are actively working on an assessment and making all the connections.

BMP: IDDE Program (Screenings of Outfalls/Interconnections, Catchment Investigations, and IDDE Progress)

A written IDDE plan has been developed and written catchment investigation procedures are included.

Outfall identification, characterization and prioritization information has been updated and included in the IDDE plan based on dry weather sampling.

The following tasks have been completed in accordance with the permit.

Number of dry weather outfall investigations/screenings: 2 – we have looked for water in dry weather twice.

Number of dry weather samples taken: 0

BMP: Employee Training

Wilton held an IDDE training session for municipal staff on July 8, 2021. In addition, as a routine, IDDE materials and training, including information on how to identify illicit discharges and SSOs are made available to applicable employees in accordance with IDDE plan.

MCM4 – Construction Site Stormwater Runoff Control

A written site inspection and enforcement program for erosion and sediment control measures was created and is included in our SWMP. Our new Building Inspector developed a checklist for sediment and erosion control on projects in the MS4 urbanized area to assist developers and homeowners.

The following tasks are in progress in accordance with the permit.

Number of site plan reviews completed: 8

Number of inspections: 10

Number of enforcement actions: 1

MCM5 – Post Construction Stormwater Management in New Development and Redevelopment

BMP: Post-Construction Ordinance (due in year 3)

A Post-Construction Ordinance, consistent with the permit requirements, has been adopted.

BMP: As-built Drawings

A program to address post-construction stormwater runoff from all new development and redevelopment projects has been developed and implemented, and includes projects that disturb a minimum of one acre, or less than one acre if part of a larger common plan. Procedures for new development and re-development have been adopted. Submission requirements for stormwater management reports and plans are included in local regulations and can be found in Section H:

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

The regulations require that all applications shall include a comprehensive Stormwater Management Plan (SMP). The SMP shall include a narrative description and an Existing Conditions Site Plan showing all pre-development impervious surfaces, buildings and structures; surface water bodies and wetlands; drainage patterns, sub-catchment and watershed boundaries; building setbacks and buffers, locations of various hydrologic group soil types, mature vegetation, land topographic contours. Additional submissions include as-built plans and inspection and maintenance plans for all permanent stormwater control measures. Currently, as-built drawings are not required to be submitted no later than but the regulations are in the process of being revised to include this step. Wilton rarely has projects that disturb half an acre at any one time.

BMP: Long-term Operation and Maintenance Procedures

A program to address long-term post-construction stormwater runoff from all new development and redevelopment projects has been developed and implemented, and include projects that disturb a minimum of one acre, or less than one acre if part of a larger common plan. Procedures for long-term Operation and Maintenance have been adopted with updates in progress. . Submission requirements for stormwater management reports and plans are included in local regulations and can be found at:

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

BMP: Street Design and Parking Lot Guidance Report (due in year 4)

Deliverables will progress in accordance with the permit and is scheduled for year 4.

BMP: Green Infrastructure Report (due in year 4)

Deliverables will progress in accordance with the permit and is scheduled for year 4.

BMP: List of Municipal Retrofit Opportunities (due in year 4)

Deliverables will progress in accordance with the permit and is scheduled for year 4.

MCM6 – Good Housekeeping and Pollution Prevention for Permittee Owned Operations

BMP: Catch Basin Cleaning Program

A schedule for catch basin cleaning has been established with the goal of ensuring that a catch basin should not be more than 50% full. Catch basin cleanings were properly stored and disposed of so that they did not discharge to receiving waters. This is detailed in the SWMP.

The following tasks are in progress in accordance with the permit.

Number of catch basins within MS4 regulated area: 526

Number catch basins inspected in accordance with the SWMP: 526

Number of catch basins cleaned: 149 (this is all that are owned by the Town)

Total volume or mass of material removed: 35 cubic yards

BMP: Street Sweeping Program

A street sweeping program has been established such that all streets with curbing and/or catch basins and permittee-owned parking lots are swept in accordance with permit conditions. Street sweepings were properly stored and disposed so that they did not discharge to receiving waters.

The following tasks are in progress in accordance with the permit.

Number of (lane) miles swept: 5.408 miles

Volume or mass of swept material: 45 cubic yards

BMP: Winter Road Maintenance Program

A winter road maintenance program has been established with a goal of reducing salt usage. Salt reduction strategies have been implemented as outlined in our SWMP. All road salt storage piles are enclosed/covered to prevent runoff into storm drains and water bodies.

Wilton has adopted a Winter Maintenance Procedures in accordance with MCM #6 that has been implemented in the MS4 regulated area. Wilton's Winter Maintenance Procedures can be found at: https://www.wiltonnh.gov/government/stormwater_management.

BMP: Permittee Owned Facilities Inventory

All permittee owned facilities, including inventory, are included in our SWMP. There were no changes to report during Year 3.

BMP: O&M Programs And Procedures For Permittee-Owned Properties

O&M programs for most permittee owned facilities have been completed and are included in our SWMP. All maintenance procedures have been implemented for permittee owned facilities in accordance with O&M programs. We are still working on SWMPs for a handful of Town owned facilities such as Town Hall and the Library.

BMP: Permittee Owned Treatment Structures

Wilton has inspected all permittee owned treatment structures (excluding catch basins). Our Fire Station has Filtera Tree and oil-water separator that were both inspected and maintained per the Fire Station SWPPP.

BMP: SWPPP (due year 3)

SWPPPs were implemented for the following facilities:

Wilton Recycling Center where pollutants are exposed to stormwater. The Wilton Recycling Center has its own NPDES permit that was renewed in May 2020. As part of that renewal, the location underwent a detailed inspection and training. The Permit and SWPPP are available at 291 Gibbons Highway, Wilton, NH.

Number of site inspections for facilities that require a SWPPP completed: 3

Number of corrective actions identified: 3

Number of corrective actions taken: 2. Some of the corrective actions were planned in Year 3 but took place in Year 4 including the paving of the Recycling Center parking lot.

BMP: Stormwater Treatment Structures Inspection and Maintenance Procedures

Wilton continues to collect information with a goal of inventorying and formally inspecting all municipally owned BMPs. Maintenance is carried out in accordance with the procedures outlined in the SWMP. Any BMPs that are safety or flooding hazards are dealt with as needed.

TMDL's and Water Quality Limited Waters

Bacteria/Pathogens

Outfalls to these receiving waters have been ranked as high priority for the IDDE implementation in the initial outfall ranking and enhanced BMP's have been implemented in accordance with the SWMP.

We are actively monitoring water quality for high *e. Coli* levels and have a plan for further testing upstream to identify outfalls with the greatest impact on bacteria levels.

Solids, Oil and Grease (Hydrocarbons), or Metals

Outfalls to these receiving waters have been ranked as high priority for the IDDE implementation in the initial outfall ranking and enhanced BMP's have been implemented in accordance with the SWMP.

We are working to reduce the amount of sediment that goes into all our stormdrains.

Chloride

Wilton through its participation in the Lower Merrimack Valley Stormwater Coalition, and continued involvement with the NHDES-led Green Snow Pro Program, have completed winter road maintenance procedures and continue to develop public education efforts regarding impacts of salt use, methods to reduce salt use on private property, and modifications to driving behavior in winter weather.

The Municipal Green Snow Pro Certification Program bill was delayed during the 2020 legislative session due to COVID-19. The bill was put back into legislation during the 2021 legislative session. In June of 2021, it was noted as "ought to pass" by the House of Representatives.

We are actively working with our Salt Reduction team on the creation of a Storm Report for the Select Board to track the number of miles treated in a storm and the hours of plowing for all winter storms.

Additional Required Information

Monitoring or Study Results

Water Quality. Wilton participates in the Friends of the Souhegan River water quality testing program. This summer we were able to add an additional testing site on Stony Brook. The data is collected and analyzed by the Friends, but Wilton is happy to share the results.

https://www.wiltonnh.gov/government/stormwater_management

Dog poop. In one local park, near a school and many storm drains, we had a resident collect data on the location of dog poop in the winter of 2014. Since then, two dog poop bag stations were installed and every dog owner in Wilton has received information on the Scoop the Poop campaign. The area was revisited this summer and the same streets reviewed with no dog poop sighted. The plan is to do the same review at the same time of year this winter as behavior might change if the poop bag stations are not as readily accessible. We are set to monitor again this winter with local volunteers.

Cigarette butts. This summer we collected data on cigarette butts near storm drains in downtown. During our mapping, it was noted that there were a lot of cigarette butts along Main Street. We counted the number of butts per lot and plan to work with local high school students to collect the same data again, provide two cigarette butt trash receptacles, and see if the data changes.

Description of Any Changes in Identified BMPs or Measurable Goals

Wilton has implemented activities in accordance with the permit and outlined in the SWMP. All BMPs and measurable goals outlined in the SWMP are appropriate.

In addition to all the items listed above, Wilton has implemented:

- A checklist for Sediment and Erosion control for any construction within the MS4 area
- Added Stormwater controls to the Driveway Permit
- Added Stormwater review and regulations for all ground mounted solar arrays
- A Stormwater Intern program that was a huge success this past summer

Activities for the Next Reporting Cycle

Wilton has some exciting things planned for stormwater in the coming year. We plan to:

- complete our mapping of the interconnections on the stormwater infrastructure
- use a "storm report" to track and report salt usage during winter storms
- implement new green infrastructure plans for Town Hall
- invite art students from the two high schools to create storm drain murals