

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

City of Somersworth, NH

Permit Year 1 – May 1, 2018 to June 30, 2019

EPA NPDES Permit Number NHR041000

Certification

Authorized Representative:

The authorization letter is:

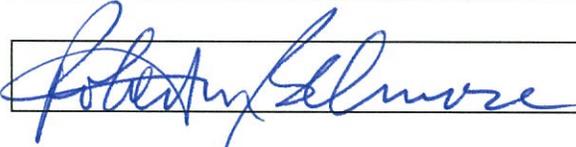
- Attached to this document (document name listed below):

- Publicly available at the website:

https://www.somersworth.com/sites/somersworthnh/files/pages/nh_ms4_authorization_somersworth_nhr041034.pdf

“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 Robert M. Belmore, City Manager

Signature  Date 9-30-19

Primary MS4 Program Manager Contact Information:
Robert M. Belmore
City Manager
1 Government Way
Somersworth, NH 03878
603-692-9503
bbelmore@somersworth.com

Small MS4 Authorization

The following annual report is intended to document on the activities undertaken over the reporting period from May 1, 2018 – June 30, 2019 in accordance with the Notice of Intent (NOI). The 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 City of Somersworth Stormwater Management Plan (SWMP). The SWMP is available at the Somersworth City Hall in the City Engineer's office.

MCM1 - Public Education and Outreach

Year 1 Activities

BMP: Grass and Fertilizer

Document Name and/or Web Address:

Green Grass & Clear Water Brochure: https://www4.des.state.nh.us/nh-ms4/?page_id=54.

Description:

Distribution and promotion of four- fold flyer 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.

Targeted Audience:

Residential, Business, and Institutions

Measurable Goal(s):

Lawn care enthusiasts' 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 materials distribution methods and numbers and change in visits to UNH Cooperative Extension or municipal stormwater webpages.

Assessment of goals will be discussed in greater detail in year 2, see https://www4.des.state.nh.us/nh-ms4/?page_id=54 "Minimum Control Measure 1: Public Outreach and Education" for additional information

Message Date:

This message was not distributed in Year 1, but is targeted for distribution in spring 2020 as part of the Year 2 messaging.

BMP: Pet Waste Disposal

Document Name and/or Web Address:

"Every Drop" post cards or flyer https://www4.des.state.nh.us/nh-ms4/?page_id=54

Description:

Distribution and promotion of "Every Drop" post cards or flyer with proper pet waste management, impacts of improper management, pet waste ordinance, and disposal requirements messaging. Every Drop is a collaborative education effort with PREP, NHDES and other partners.

Targeted Audience:

Residents - Pet Owners

Measurable Goal(s):

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.

Assessment of goals will be discussed in greater detail in year 2, see

https://www4.des.state.nh.us/nh-ms4/?page_id=54 “Minimum Control Measure 1: Public Outreach and Education” for additional information

Message Date: This message was not distributed in Year 1 of the permit, but is targeted for spring 2020 as part of the Year 2 messaging.

BMP: Disposal of Leaf and Grass Clippings

Document Name and/or Web Address:

https://www4.des.state.nh.us/nh-ms4/?page_id=54

Description:

Distribute and promote informational flyer, pledge cards, or door hangers, with messaging about impacts from yard waste to waterbodies, alternatives to dumping yard waste and laws against dumping yard waste near or in waterbodies.

Targeted Audience:

Residential, Business, and Institutions

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.

Assessment of goals will be discussed in greater detail in year 2, see

https://www4.des.state.nh.us/nh-ms4/?page_id=54 “Minimum Control Measure 1: Public Outreach and Education” for additional information

Message Date:

This message was not distributed in Year 1 of the permit, but is targeted for fall of 2019 as part of the Year 2 messaging.

BMP: Septic System Maintenance

Document Name and/or Web Address:

https://www4.des.state.nh.us/nh-ms4/?page_id=54

Description:

Distribute and promote brochure or door hangers, directing to website to educate New Hampshire homeowners with septic systems on how to identify, locate and maintain those systems. Get Pumped NH is a collaborated effort between the New Hampshire Association of Septage Haulers (NHASH) and the New Hampshire Department of Environmental Services (NHDES).

Targeted Audience:
Septic System Owners

Measurable Goal(s):
Residents are aware of water quality impacts from septic systems, the importance of maintaining septic systems and how to maintain them.

Assessment of goals will be discussed in greater detail in year 2, see https://www4.des.state.nh.us/nh-ms4/?page_id=54 “Minimum Control Measure 1: Public Outreach and Education” for additional information

Message Date:
This message was not distributed in Year 1 of the permit, but is targeted for June of 2020 as part of the Year 2 messaging.

MCM2 - Public Participation

Deliverables will progress in accordance with the accepted Notice of Intent (NOI) and is scheduled for year 2.

MCM3 – Illicit Discharge Detection and Elimination (IDDE)

BMP: IDDE Legal Authority

The municipality has established legal authority.

BMP: Sanitary Sewer Overflow (SSO) Inventory

The municipality has developed the SSO inventory in accordance with the City’s wastewater permit conditions for the sanitary sewer collection system.

BMP: Map of Storm Sewer System

Map of storm sewer system and associated outfalls is in progress in accordance with the accepted NOI.

BMP: IDDE Program

A Written IDDE plan is in development in accordance with the accepted NOI.

Written investigation deliverables will progress in accordance with the accepted NOI and is scheduled to be complete as called for in the accepted NOI.

The following tasks are in progress in accordance with the accepted NOI.

Number and percent of total outfall catchments served by the MS4 evaluated using the catchment investigation procedure: 11 (70% complete)

Number of dry weather outfall investigations/screenings: 0

Number of wet weather outfall inspections/sampling events: 0

Number of illicit discharges removed: 0

Estimated gallons of flow removed: N/A

BMP: Employee Training

As a routine IDDE, materials and training, including information on how to identify illicit discharges and SSOs are made available to applicable employees.

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.

The following tasks are in progress in accordance with the accepted NOI.

Number of site plan reviews completed: 7

Number of inspections: 17

Number of enforcement actions: 0

MCM5 – Post Construction Stormwater Management in New Development and Redevelopment

BMP: Post-Construction Ordinance (due in year 2)

Deliverables will progress in accordance with the accepted NOI and is scheduled for year 2.

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

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

BMP: Green Infrastructure Report (due in year 4)

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

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

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

MCM6 – Good Housekeeping and Pollution Prevention for Permittee Owned Operations

BMP: Parks and Open Spaces Operations and Maintenance Procedures (due year 2)

Deliverables will progress in accordance with the accepted NOI and is scheduled for year 2.

BMP: Buildings and Facilities Operations and Maintenance Procedures (due year 2)

Deliverables will progress in accordance with the accepted NOI and is scheduled for year 2.

BMP: Vehicles and Equipment Operations and Maintenance Procedures (due year 2)

Deliverables will progress in accordance with the accepted NOI and is scheduled for year 2.

BMP: Catch Basin Cleaning Program

A schedule for catch basin cleaning has been established with the goal of preventing catch basins exceeding 50% full. This is detailed in the SWMP.

The following tasks are in progress in accordance with the accepted NOI.

Number of catch basins within MS4 regulated area: 1,342 (approximately 300 are privately-owned catch basins that the City is not responsible for maintaining)

Number catch basins inspected in accordance with the SWMP: 205

Number of catch basins cleaned: 205

Volume or mass of material removed: The records for last year's sweeping volumes were misplaced; the City will include these numbers in future years and will provide an update if the records are recovered.

BMP: Street sweeping program

A street sweeping program has been established such that all streets with curbing and/or catchbasins and permittee-owned parking lots are swept in accordance with the accepted NOI.

The following tasks are in progress in accordance with the accepted NOI.

Number of (lane) miles swept: 220

Volume or mass of swept material: The records for last year's sweeping volumes were misplaced; the City will include these numbers in future years and will provide an update if the records are recovered.

BMP: Winter Road Maintenance Program

A winter road maintenance program has been established with a goal of reducing salt usage. A salt reduction strategy implemented this year includes sending the General Highway Foreman to the Annual Salt Symposium hosted by NHDES on September 10, 2019 and participation in a Green SnowPro training session held in Dover, New Hampshire on September 12, 2019. In addition, Highway Division staff calibrate the salt spreader units to ensure the amount of salt discharge is set at correct discharge levels, and will do that inspection and calibration again as we approach 2019-2020 winter. Finally, the City of Somersworth budgets for 2,000 tons of salt each year. This past winter season the Department only ordered 1,800 tons of salt based on management of salt supplies, showing a reduction in overall salt usage last year.

BMP: Stormwater Treatment Structures Inspection and Maintenance Procedures

Somersworth continues to collect information with a goal of inventorying and formally inspecting all municipally owned BMPs. Any BMPs that are safety or flooding hazards are dealt with as needed.

BMP: SWPPP(due year 2)

Deliverables will progress in accordance with the accepted NOI and is scheduled for year 2.

TMDLs and Water Quality Limited Waters

Phosphorus

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

Somersworth, through its participation in the Seacoast Stormwater Coalition and continued involvement with the NHDES led Pollutant Tracking and Accounting Program (PTAP), will satisfy the tracking and accounting requirement of the municipally owned structural BMP's listed in Attachment 1 to Appendix H.

Nitrogen

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Description of any changes in identified BMPs or measurable goals

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

The BMPs for MCM1 and MCM2 as described in the SWMP were updated to reflect BMPs consistent with other communities in the Seacoast Stormwater Coalition, and are also reflected in this report.

Activities for the Next Reporting Cycle

Somersworth will continue to implement activities in accordance with the approved Notice of Intent.