

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

City of Somersworth, NH

Permit Year 2 – July 1, 2019 to June 30, 2020

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:

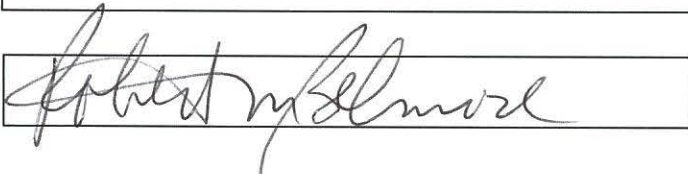
https://www.somersworth.com/sites/g/files/vyhlf1226/f/pages/nh_ms4_authorization_somersworth_nhr041034.pdf

“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

9-28-20

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Small MS4 Authorization

The following annual report is intended to document the activities undertaken over the reporting period from July 1, 2019 through June 30, 2020 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 the City of Somersworth Stormwater Management Plan (SWMP). Those documents can be found at the Somersworth City Hall in the City Engineer's office.

MCM1 - Public Education and Outreach

Year 2 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.

Flyers were made available at City Hall in February 2020 in the City Clerk and Development Services offices, and at the Public Works building. Approximately 20 flyers were distributed to citizens before access to public buildings was shut down until September 2020 due to COVID19.

Targeted Audience:

Residential &/or Business and 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 materials distribution methods and numbers and change in visits to UNH Cooperative Extension or municipal stormwater webpages.

In Year 1 no flyers were distributed. In Year 2 approximately 20 flyers were distributed. Goal was achieved.

Message Date:

February 2020 through ongoing

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.

In Year 1 no “Pet Waste” flyers were distributed. In Year 2, “Pet Waste” flyers were made available at City Hall in February 2020 in the City Clerk and Development Services office, and at the Public Works building. Approximately 20 flyers were distributed to citizens before public buildings were shut down until September 2020. Due to COVID19, the “Every Drop” dog waste flyer was modified to be distributed as part of the City Manager’s monthly newsletter in April 2020; the newsletter is sent electronically to approximately 4,500 residents; click statistics show approximately 5% of those who received the email opened and read the message, meaning approximately 225 residents read the message. **Goal was achieved.**

Message Date: April 2020 and ongoing

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:

The City distributed the “Rake it or Leave it” flyer at the City Hall Halloween open house on 10/31/2019. 8 flyers were handed out to local residents as part of the event. Additional flyers have been made available at the City Clerk (for residents), Development Services (for businesses and developers), and Public Works (for residents) desks. Approximately 40 flyers were distributed between October 2019 and March 2020 when the facilities were closed to the public until September 2020.

Targeted Audience:

Residential &/or 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.

In Year 1 no flyers were distributed. In Year 2 approximately 48 flyers were distributed. **Goal was achieved.**

Message Date:

10/31/2019 and ongoing

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.

“Get Pumped” flyers were made available at City Hall in November 2019 in the Development Services office and at the Public Works building. Approximately 10 flyers were distributed to citizens before public buildings were shut down in March 2020 through September 2020. **Goal was achieved.**

Message Date:

November 2019 and ongoing

BMP: Developer/Construction Outreach

Description:

Review checklist with developers and construction contractors prior to beginning of construction project (pre-construction) to identify responsible parties, erosion control practices, other best management practices, and requirements for EPA Construction General Permit as appropriate.

Targeted Audience:

Developer/Construction

Measurable Goal(s):

Contractors and Developers are aware of the need for proper erosion control practices during construction work.

The Development Services Department held 2 pre-construction meetings, representing 100% of the projects that received planning board approval and began construction during this reporting period. **Goal was achieved.**

Message Date:

Ongoing.

MCM2 - Public Participation

BMP: Public Participation in Stormwater Management Program Development

Description: The Stormwater Management Plan (SWMP) is publicly available for review at City Hall in the City Engineer’s office.

Measurable Goal(s): Public are able to review and comment on the SWMP. **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.

BMP: Sanitary Sewer Overflow (SSO) Inventory

The City of Somersworth has developed the SSO inventory in accordance with City’s wastewater permit conditions.

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 (due year 3).

BMP: Employee Training

June 17, 2020; City of Dover and UNH provided Illicit Discharge videos prepared by senior civil and environmental engineering students at the Seacoast Stormwater Coalition meeting.

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.

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: 13

Number of inspections: 25 (approximate estimate)

Number of enforcement actions: 1

MCM5 – Post Construction Stormwater Management in New Development and Redevelopment

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

A Post-Construction Ordinance has been created; links and references are included in our SWMP.

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 have been created and are being incorporated into our SWMP.

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

Deliverables have been created and are being incorporated into our SWMP.

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

Deliverables have been created and are being incorporated into our SWMP.

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 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 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: 247

Number of catch basins cleaned: 247

Volume or mass of material removed: The City of Somersworth will incorporate improved field logs to include volume or mass removal in future years.

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 accepted NOI.

Number of (lane) miles swept: 220 (including spring and fall sweeping)

Volume or mass of swept material: The City of Somersworth will incorporate improved field logs to include volume or mass removal in future years.

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.

BMP: Stormwater Treatment Structures Inspection and Maintenance Procedures

The City of 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)

SWPPPs were developed in year 2, consistent with the NOI and permit requirements, for the Public Works Facility.

Copies are kept, and inspections as outlined in completed SWPPPs will begin in year 3.

TMDL's and Water Quality Limited Waters

Bacteria/Pathogens

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.

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.

The City of 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

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.

The City of 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.

Description of any changes in identified BMPs or measurable goals

The City of Somersworth has implemented activities in accordance with the Stormwater Management Plan and NOI. All BMPs and measurable goals as outlined in the approved NOI and SWMP are appropriate.

The BMPs for MCM1 and MCM2 described in the SMWMP were updated from the NOI 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

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