

New Hampshire Small MS4 General Permit Annual Report

Town of North Hampton

Permit Year 3

July 1, 2020 through June 30, 2021

Prepared By:

**FB Environmental, Adapted from Plans developed by Seacoast
Stormwater Coalition and Manchester/Nashua Stormwater
Coalition**

Prepared For:

Town of North Hampton

EPA NPDES Permit Number NHR041024

Document Date – September 28, 2021

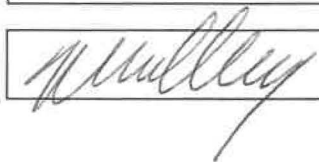
Certification

"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

Michael Tully

Signature



Date

9/28/21

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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 Town of North Hampton'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.northhampton-nh.gov/public-works-department/pages/storm-water-management-plan-swmp>

IDDE: <https://www.northhampton-nh.gov/public-works-department>

Any work or progress negatively impacted by the COVID-19 pandemic should be noted. For example, if education and outreach efforts were impacted, note how.

Section should be same as SWMP MCM1.

MCM1 - Public Education and Outreach

Year 3 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 was not included in summer newsletter due to size. Instead, the Agricultural Committee submitted an article in Fall 2020 newsletter about grass and the use of clippings as fertilizer.

Description:

Distribution and promotion of community newsletters containing 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.

Targeted Audience:

Residential and/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 quantity of materials distributed.

Following is the number of newsletters that were distributed:

Year 3 = 2500 (residential physical addresses) + 500 (residential PO Boxes) + 200 (businesses)
***Typically newsletters done four times per year but only two were published due to COVID-19 impacts*

***Town intends to send out future quarterly updates via email blast*

Goal was achieved.

Message Date:

Fall 2020

BMP: Pet Waste Disposal

Document Name and/or Web Address:

Not applicable

Description:

Due to COVID-19 impacts, no pet waste disposal outreach information was distributed to the targeted audience.

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. If pledges are signed, there will be an increase of dog owners committed to picking up pet waste.

Goal was not achieved.

Message Date:

***Typically newsletters done four times per year but only two were published due to COVID-19 impacts which limited the town's ability to send out MS4 outreach messages*

***Town intends to send out future quarterly updates via email blast and a flyer to go out with residents who register dog tags (600-1,000 dogs in town).*

BMP: Disposal of Leaf and Grass Clippings

Document Name and/or Web Address:

The Agricultural Committee submitted an article in Fall 2020 newsletter about grass and the use of clippings as fertilizer.

Description:

Distribute and promote informational flyers, pledge cards, and/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 &/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.

Following is the number of newsletters that were distributed:

Year 3 = 2500 (residential physical addresses) + 500 (residential PO Boxes) + 200 (businesses)

***Typically newsletters done four times per year but only two were published due to COVID-19 impacts*

***Town intends to send out future quarterly updates via email blast*

Goal was achieved.

Message Date:

Fall 2020

BMP: Septic System Maintenance

Document Name and/or Web Address:

Not applicable

Description:

Due to COVID-19 impacts, no septic system maintenance outreach information was distributed to the targeted audience.

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.

Goal was not achieved.

Message Date:

We were going to hand out brochures at the Old Home Day held annually in August, but this event been cancelled the last two years due to COVID-19. Normally well attended.

BMP: Industrial Outreach

Description:

There are no industrial facilities located in the Town of North Hampton's MS4 area.

MCM2 - Public Participation

BMP: Public Participation in Stormwater Management Program Development

Description: The Stormwater Management Program was publicly reviewed during a public comment session during the Select Board meeting held at the Town Hall on July 27, 2020. Documents and records relating to the permit are retained and available for 5 years to the public at the Town Hall and on the Town's website.

Measurable Goal(s):

Input was received and records are maintained. **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

This is not applicable to the Town of North Hampton because we do not have sanitary sewer or known sanitary sewer overflows.

BMP: Map of Storm Sewer System

Map of storm sewer system and associated outfalls was completed in Year 3.

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

All outfalls and interconnections (excluding problem and excluded outfalls) were inspected and screened. Outfall catchments and interconnections priority ranking were updated based on the information collected during the dry weather inspections. 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 and wet weather sampling.

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

Number of dry weather outfall investigations/screenings: 3

Number of dry weather samples taken: 0

The investigation data is included in submission.

Number of wet weather outfall inspections/sampling events: 0

Number of wet weather samples taken: 0

Number of catchment investigations: 3

The investigation data is included in submission.

Number of illicit discharges: 0

Number of illicit discharges removed: 0

Estimated gallons of flow removed: 0 gallons

BMP: Employee Training

Town of North Hampton staff were trained using IDDE training videos created by UNH, the City of Dover, and NHDES. Video topics included collecting data and water samples in the field, and analyzing for pertinent parameters as identified in the permit. A video addressing the issues associated with stormwater, common pollutants of concern, how to identify an illicit discharge, and general IDDE sampling protocols is being prepared by NHDES. The video is estimated to be finalized and available to permittees in August 2021. Training logs are included in Appendix F of the IDDE report.

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.

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

Number of site plan reviews completed: 7

Number of inspections: 4

Number of enforcement actions: 0

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 at: <https://www.northhampton-nh.gov/planning-zoning-department/pages/ordinances-regulations-and-fees>. 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. As-built drawings are required to be submitted no later than 2 years from completion of the project.

Number of as-built drawings received: 0

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. Submission requirements for stormwater management reports and plans are included in local regulations and can be found at: <https://www.northhampton-nh.gov/planning-zoning-department/pages/ordinances-regulations-and-fees>. In an effort to standardize the long-term O&M and inspection submission requirements across all New Hampshire MS4 communities, as well as standardize any non-compliance actions taken by the municipality, the Seacoast Stormwater Coalition is in the process of working with a selected engineering group (VHB) to develop standardized resources, guidance and an inspection template that towns and municipalities can use to better promote, track and enforce the implementation of best management practices for privately-owned parking areas and drainage infrastructure. These are anticipated to be finalized in the fall of 2021 and will be adopted by The Town of North Hampton.

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: 70

Number catch basins inspected in accordance with the SWMP: 160 (total); 70 (MS4)

Number of catch basins cleaned: 116 (total); 63 (MS4)

Total volume or mass of material removed: 18 cubic yards (total); 6 cubic yards (MS4)

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: 53

Volume or mass of swept material: 8 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.

The Town of North Hampton has adopted a Winter Maintenance Procedures in accordance with MCM #6 that has been implemented community-wide. The Town of North Hampton Winter Maintenance Procedures can be found at the Town Hall and will uploaded to the Town's website.

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 all permittee owned facilities have been completed/are being developed and are/will be included in our SWMP. All maintenance procedures have been/will be implemented for permittee owned facilities in accordance with O&M programs.

BMP: Permittee Owned Treatment Structures

The Town of North Hampton has inspected all permittee owned treatment structures (excluding catch basins).

BMP: SWPPP (due year 3)

SWPPPs were implemented for the following facilities:

The Public Works Facility and the Recycling Collection Center & Brush Dump.

Inspections are completed, corrective actions taken, and employees regularly trained as outlined in the SWPPP(s). The SWPPP(s) and associated documentation are located at the Public Works Facility and will be uploaded to the Town's website.

Number of site inspections for facilities that require a SWPPP completed: 0

Number of corrective actions identified: 0

Number of corrective actions taken: 0

BMP: Stormwater Treatment Structures Inspection and Maintenance Procedures

The Town of North Hampton 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

There are no outfalls discharging to waterbodies impaired for bacteria.

Nitrogen

There are no outfalls discharging to waterbodies impaired for nitrogen. Therefore, the Town is relieved from requirements of Part 2.2.2.a.i and Appendix H Part I.

Additional Required Information

Monitoring or Study Results

No additional monitoring or studies were completed.

Description of Any Changes in Identified BMPs or Measurable Goals

The Town of North Hampton has implemented activities in accordance with the permit and outlined in the SWMP. All BMPs and measurable goals outlined in the SWMP are appropriate.

Activities for the Next Reporting Cycle

The Town of North Hampton will continue to implement activities in accordance with the permit and SWMP.