

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

TOWN OF STRATHAM

Permit Year 1

EPA NPDES Permit Number NHR041000

Certification


Authorized Representative:

"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

DAVID MOORE

Signature



Date

9/27/19

Primary MS4 Program Manager Contact Information:

Position/Title:

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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 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 Stratham's Stormwater Management Plan (SWMP) and Illicit Discharge Detection and Elimination Plan (IDDE). Those documents can be found at the following website and will be referred to throughout this report:

SWMP: <https://www.strathamnh.gov/planning-board/pages/stratham-and-ms4>

IDDE: <https://www.strathamnh.gov/planning-board/pages/stratham-and-ms4>

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 &/or Business and Institutions

Measurable Goal(s):

Insure that Lawn Care Professionals and 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.

150 fliers produced and distributed from various public locations within Town. Of the 50 fliers made available at Municipal Center, 25 remain. Flier content also shared via multiple social media sources.

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:

In accordance with NOI.

BMP: Petwaste 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. May include pledge to pick up pet waste to be made available during dog registration and other events or venues (veterinarians, dog training, groomers, etc.). 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. If pledges are signed, there will be an increase of dog owners committed to picking up pet waste.

150 fliers produced and distributed from various public locations within Town. Of the 50 fliers made available at Municipal Center, 20 remain. Flier content also shared via multiple social media sources.

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: Time of license renewal, beginning April 2019

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.

200 fliers distributed from various public locations within Town. Of the 100 fliers made available at Municipal Center, 40 remain. Flier content also shared via multiple social media sources.

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:

Spring/Summer/Fall 2019

MCM2 - Public Involvement and Participation

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

MCM3 – Illicit Discharge Detection and Elimination

BMP: IDDE Legal Authority

Stratham has no Sanitary Sewer and therefore has no SSOs.

BMP: Sanitary Sewer Overflow (SSO) Inventory

Number of SSO's identified this year: 0/ Number of SSO's removed this year:0

BMP: Map of Storm Sewer System

Map of storm sewer system and associated outfalls is in progress in accordance with the accepted NOI. *Again, Stratham has no Sanitary Sewer and therefore has no SSOs.*

BMP: IDDE Program

A Written IDDE plan has been developed and is available on our website as referenced previously.

Initial outfall identification, characterization and prioritization has been completed and included in the IDDE plan. Written investigation deliverables will progress in accordance with the accepted NOI and is scheduled to be complete by April 1, 2020.

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 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.

Stratham did not experience any development or re-development within that area identified as within the MS4 portion of Town. Should Site Plan Review be required, Stratham has regulations to require compliance pursuant to EPA Permit governance.

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

Number of site plan reviews completed:

Number of inspections:

Number of enforcement actions:

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 ensuring that a catch basin should not be more than 50% full. This is detailed in the SWMP.

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

Number of catchbasins within MS4 regulated area:

Number catchbasins inspected in accordance with the SWMP:

Number of catchbasins cleaned:

Volume or mass of material removed:

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.

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

Number of (lane) miles swept:

Volume or mass of swept material:

BMP: Winter Road Maintenance Program

A winter road maintenance program has been established with a goal of reducing salt usage. An improvement made this year (1) includes training winter road maintenance staff of the NHDES Green Snow Pro program and general compliance (non-certified) therewith.

BMP: Stormwater Treatment Structures Inspection and Maintenance Procedures

The Town of Stratham 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. Specific to Year 1, all known municipally owned BMPS within MS4 area were inspected.

BMP: SWPPP(due year 2)

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

TMDL's and Water Quality Limited Waters

Bacteria/Pathogens

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

Phosphorus

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

The Town of Stratham, through its participation in the Seacoast or the Lower Merrimack Valley Stormwater Coalition(s) 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 been ranked as high priority for the IDDE implementation in the initial outfall ranking and enhanced BMP's been implemented in accordance with the SWMP.

The Town of Stratham, through its participation in the Seacoast or the Lower Merrimack Valley Stormwater Coalition(s) 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.

Solids, Oil and Grease (Hydrocarbons), or Metals

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

Chloride

Outfalls to these receiving waters been ranked as high priority for the IDDE implementation in the initial outfall ranking.

The Town of Stratham, through its participation in the Seacoast or the Lower Merrimack Valley Stormwater Coalition(s) and continued involvement with the NHDES led Green Snow Pro Program are working to develop a public education regarding impacts of salt use, methods to reduce salt use on private property, modifications to driving behavior in winter weather as listed in Attachment 1 to Appendix H.

Activities for the Next Reporting Cycle

The Town of Stratham will continue to implement activities in accordance with the approved Notice of Intent.