

**New Hampshire Small MS4 General Permit  
Annual Report  
TOWN OF RYE, NH  
Permit Year 2**

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.town.rye.nh.us/sites/g/files/vyhlf3751/f/uploads/designation\\_of\\_authority\\_representative\\_2019.pdf](https://www.town.rye.nh.us/sites/g/files/vyhlf3751/f/uploads/designation_of_authority_representative_2019.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

**Dennis G. McCarthy**

Signature



Date

09/24/20

**Primary MS4 Program Manager Contact Information:**

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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 TOWN OF RYE, NH'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: [www.town.rye.nh.us/sites/g/files/vyhif3751/f/uploads/stormwater\\_management\\_program\\_swmp.pdf](http://www.town.rye.nh.us/sites/g/files/vyhif3751/f/uploads/stormwater_management_program_swmp.pdf)

IDDE: [www.town.rye.nh.us/sites/g/files/vyhif3751/f/uploads/final\\_idde\\_program\\_2019.pdf](http://www.town.rye.nh.us/sites/g/files/vyhif3751/f/uploads/final_idde_program_2019.pdf)

## **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](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):**

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 one and two approximately 25 bi-fold informational brochures were picked up by residents and businesses at the Public Works Department/Transfer Station.

Further the Public Works Department provided an article in the Town of Rye Newsletter which is published quarterly, and mailed to every business, homeowner, and resident in the Town of Rye. Articles relative to Yard Waste, Fertilizer BMP's, and Lawn Care were published

*Goal was achieved.*

**Message Date:**

Articles were published in September and March of 2020 and June of 2019. In addition, flyers are available at the Public Works Department during all operating hours.

#### **BMP: Pet Waste Disposal**

**Document Name and/or Web Address:**

"Protect Our Waters – Scoop the Poop"

**Description:**

Distribution and promotion of "Scoop the Poop" flyer with proper pet waste management, impacts of improper management, pet waste ordinance, and disposal requirements messaging.

**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.

In year one and two approximately 25 bi-fold informational brochures were picked up by residents and businesses at the Public Works Department/Transfer Station.

Further the Public Works Department provides articles in the Town of Rye Newsletter which is published quarterly, and mailed to every business, homeowner, and resident in the Town of Rye. Articles relative to Scoop the Poop and Dog Waste were published during this reporting period.

**Goal was achieved.**

**Message Date:**

Articles were published in December of 2019 and June of 2019. In addition, flyers are available at the Public Works Department during all operating hours.

**BMP: Disposal of Leaf and Grass Clippings**

**Document Name and/or Web Address:**

“Rake It or Leave It”

**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 &/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 one and two approximately 25 bi-fold informational brochures were picked up by residents and businesses at the Public Works Department/Transfer Station.

Further the Public Works Department provides articles in the Town of Rye Newsletter which is published quarterly, and mailed to every business, homeowner, and resident in the Town of Rye. Articles relative to Yard Waste, and Lawns Care were published during this reporting period.

**Goal was achieved.**

**Message Date:**

Articles were published in September 2020 and June of 2019. In addition, flyers are available at the Public Works Department during all operating hours.

## **BMP: Septic System Maintenance**

### **Document Name and/or Web Address:**

**“Do Your Part - Be SepticSmart” “Get Pumped New Hampshire” “What’s Flushable”**

### **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.

In year one and two approximately 25 bi-fold informational brochures were picked up by residents and businesses at the Public Works Department/Transfer Station.

Further the Public Works Department provides articles in the Town of Rye Newsletter which is published quarterly, and mailed to every business, homeowner, and resident in the Town of Rye. Articles relative to Septic System Operations and Tank Pumping were published during this reporting period.

**Goal was achieved.**

### **Message Date:**

Article was published in December 2019 titled “Get Pumped Rye”.

## **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 Planning Department held two (2) of pre-construction meetings, representing 100% of projects that received planning board approval and began construction during this reporting period. (Stoneleigh Preserve & Goss’ Grant)

**Goal was achieved.**

**Message Date:** Ongoing.

## **MCM2 - Public Participation**

### **BMP: Public Participation in Stormwater Management Program Development**

**Description:** The Stormwater Management Program was publicly reviewed at the Board of Selectmen Zoom Meeting

**Measurable Goal(s):** Input was received.

**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**

TOWN OF RYE, NH has developed the SSO inventory in accordance with permit conditions and has nothing new to report.

Number of SSO's identified this year: **zero (0)**

Number of SSO's removed this year: **zero (0)**

### **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 has been developed and is available on our website.

Initial outfall identification, characterization and prioritization has been completed and included in the IDDE plan.

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:

Number of dry weather outfall investigations/screenings: **Zero (0)**

The Town of Rye began dry weather investigations in August, after the year two reporting time frame. Relevant information will be reported on in year three (3).

Number of wet weather outfall inspections/sampling events: **Zero (0)**

Number of illicit discharges removed: **Zero (0)**

Estimated gallons of flow removed: **Not Applicable**

**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. 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 accepted NOI.

Number of site plan reviews completed: **Two (2)**

Number of inspections: **Six (6)**

Number of enforcement actions: **Zero (0)**

**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 included in our SWMP.

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

Deliverables have been created and are included in our SWMP.

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

Deliverables have been created and are included in 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: **Approximately 800**

Number catch basins inspected in accordance with the SWMP: **137**

Number of catch basins cleaned: **137**

Volume or mass of material removed: **Five Cubic Yards (5 c.y.)**

### 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: **Forty-three (43)**

Volume or mass of swept material: **Ten cubic yards (10 c.y.)**

### 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 Town of Rye, NH 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 following facilities, which handle waste where pollutants are exposed to stormwater: Highway Garage, Public Works Yards, Transfer Stations. The SWPPP may be viewed on the Town's web site at: [https://www.town.rye.nh.us/sites/g/files/vyhlf3751/f/uploads/swppp\\_final.pdf](https://www.town.rye.nh.us/sites/g/files/vyhlf3751/f/uploads/swppp_final.pdf)

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 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.

### **Phosphorus**

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.

The Town of Rye, NH 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 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.

The Town of Rye, NH 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.

### **Solids, Oil and Grease (Hydrocarbons), or Metals**

The Town of Rye, NH has no outfalls to these receiving waters and as such have not been ranked as high priority for the IDDE implementation in the initial outfall ranking and enhanced BMP's in accordance with the SWMP.

### **Chloride**

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

Tracking of the amount of salt applied to all municipally owned and maintained surfaces and reporting of salt use has been completed and will be documented using the UNH T2 online tool, upon the online tools full upgrade

The Town of Rye through its participation in the Seacoast Stormwater Coalition 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, and modifications to driving behavior in winter weather as listed in Attachment 1 to Appendix H.

The municipal Green Snow Pro legislation was delayed due to COVID-19 and will be revisited during the 2021 legislative session.

**Description of any changes in identified BMPs or measurable goals**

The Town of Rye, NH has implemented activities in accordance with the approved Notice of Intent. All BMPs and measurable goals as outlined in the approved NOI are appropriate.

**Activities for the Next Reporting Cycle**

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