

Year 6 Annual Report

New Hampshire Small MS4 General Permit

EXISTING PERMITTEES


Reporting Period: July 1, 2023 - June 30, 2024

Rye, New Hampshire

EPA NPDES Permit Number NHR041030

Certification of Small MS4 Year 6 Annual Report

"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: Jason M. Rucker	
Title: Public Works Director	
Signature: 	Date: 9/24/24

Authorized Representative:

The authorization letter is:

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

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☒ Publicly available at the website:

https://www.town.rye.nh.us/sites/g/files/vyhlf3751/f/uploads/designation_of_authorized_rep_2022.pdf

Primary MS4 Program Manager Contact Information:

Name: Jason M. Rucker	Title/Position: Public Works Director		
Department: Public Works			
Street Address: 10 Central Road			
City: Rye	State: New Hampshire	Zip Code: 03870	
Email: jrucker@town.rye.nh.us	Phone Number: (603) 964-5300		

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, 2023, through June 30, 2024**, 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> or
https://www.town.rye.nh.us/sites/g/files/vyhlf3751/f/uploads/notice_of_intent_noi.pdf

Compliance activities have been identified and described in the Rye Stormwater Management Program Plan (SWMP) and Illicit Discharge Detection and Elimination (IDDE) Plan. Those documents and other pertinent Year 6 information can be found in submission or at the following websites, and will be referred to throughout this report:

SWMP:

https://www.town.rye.nh.us/sites/g/files/vyhlf3751/f/uploads/ryenh_2023swmpupdatewsig.pdf

Date SWMP was Last Updated: **December 2023**

IDDE Program Plan: https://www.town.rye.nh.us/sites/g/files/vyhlf3751/f/uploads/final-idde_program-2019.pdf

Updated System Map: <https://www.town.rye.nh.us/public-works/pages/town-rye-stormwater-maps>

Progress on Completion of System Map: **The Stormwater System Map is currently being updated, and will be posted on the Public Works webpage when available.**

Updated SSO Inventory: **Not applicable – zero SSO events**

Updated Inventory and Ranking of Outfalls/Interconnections: **Being updated and will be posted on Public Works webpage when available.**

https://www.town.rye.nh.us/sites/g/files/vyhlf3751/f/uploads/final-idde_program-2019.pdf

Dry Weather Screening Data: **Not applicable – none completed in Year 6; included in Year 3 submission**

Wet Weather Screening Data: **Not applicable – none completed to date**

Catchment Investigation Data: **Not applicable – none completed to date**

System Vulnerability Factors: **In progress**

Illicit Discharge Removal Report: **Not applicable – zero removals**

Results from additional stormwater or receiving water quality monitoring reports or studies: **Not applicable**

PTAP 2024 Nutrient Reduction Report: **See attached submission**

Salt Reduction Plan:

https://www.town.rye.nh.us/sites/g/files/vyhlf3751/f/uploads/salt_reduction_plan.pdf

Annual Salt Usage Report **See attached submission**

Nitrogen Source Identification Report:

https://www.town.rye.nh.us/sites/g/files/vyhlf3751/f/uploads/nitrogen_source_identification_report_0.pdf

PTAP 2024 Nutrient Reduction Report: **Not applicable (structural)**

Rye Nutrient Tracking Program Report: **Not applicable**

Updated Phosphorus Source Identification Report: **Not applicable**

PTAP 2024 Nutrient Reduction Report: **Not applicable**

Rye Nutrient Tracking Program Report: **Not applicable**

Street Sweeping Schedule: **Not applicable**

Chloride Reduction Plan: **Not applicable**

Annual Salt Usage Report **Not applicable**

Lake Phosphorus Control Plan: **Not applicable**

PTAP 2024 Nutrient Reduction Report: **Not applicable**

Rye Nutrient Tracking Program Report: **Not applicable**

Self-Assessment

Select the impairment(s) and/or TMDL(s) that are applicable to your MS4. Make sure you are referring to the [2020/2022 EPA approved Section 303\(d\) Impaired Waters List](#) which was used for the Year 6 reporting period and can be found on the [New Hampshire Department of Environmental Services \(NHDES\) webpage](#).

All **Appendix F and H requirements** can be found under “Appendix F and H: TMDLs & Water Quality Limited Waters” section of this report.

Impairment(s)		
<input checked="" type="checkbox"/> Bacteria/Pathogens	<input checked="" type="checkbox"/> Chloride	<input checked="" type="checkbox"/> Nitrogen
<input type="checkbox"/> Phosphorus	<input type="checkbox"/> Solids/Oil/Grease (Hydrocarbons)/Metals	
TMDL(s)		
<input type="checkbox"/> Bacteria and Pathogens	<input type="checkbox"/> Chloride	<input type="checkbox"/> Lake and Pond Phosphorus

Receiving Waters/Impaired Waters/TMDL

Have there been any changes to your lists of **receiving waters or impairments** since the NOI was submitted?

☒ Yes

Changes have been made to the lists of receiving waters or impairments since the NOI submission. The following **impairments and/or TMDLs** have been added or delisted:

Water Quality Impaired Waters:

- **Water body segments NHEST600031001-05 Back Channel and NHEST600031002-02 Little Harbor were removed from the 2020/2022 section 303(d) list for nitrogen.**
- **Water body segment NHEST600031001-04 Lower Sagamore Creek was added to the 2020/2022 section 303(d) list for nitrogen.**

TMDL: **Not applicable**

☐ No

There have been no changes to the lists of **receiving waters or impairments** since the NOI submission.

Have there been any changes to your **list of outfalls** since the NOI was submitted?

☒ Yes

Changes have been made to the **list of outfalls** since the NOI submission.

The NOI listed 22 outfalls, and the current SWMP lists 32 outfalls. Additionally, the NOI indicates 2 outfalls discharge to Sagamore Creek and 1 to Little Harbor; however, it has been determined that 3 outfalls discharge to Sagamore Creek and 0 to Little Harbor.

☐ No

Rye has not made changes to the **list of outfalls** since the NOI submission.

Describe progress made on any **incomplete requirements** listed above **or** optionally provide any additional relevant details, in the box below:

The table of receiving waters (Table 1-2) in the SWMP was updated in December 2023 to include receiving waters only. The list was adjusted accordingly based on mapped outfall locations. Refer to the SWMP for the updated list of receiving waters.

Minimum Control Measures

MCM 1: Public Education

Total number of all MS4 related educational efforts completed *during this reporting period*: 18

Were any of the messages below different than what was proposed in your NOI?

☐ No.

☒ Yes. Although the overall messages stayed the same, Rye made changes to align better with the Seacoast Stormwater Coalition's public education efforts. Changes included how the "Disposal of Leaf Litter" message was delivered (Town Newsletter articles and brochures instead of posting notices) and what "Septic System Maintenance" resources were used (brochures and pamphlets – primarily "Get Pumped! New Hampshire" instead of an existing Septic Systems and Water Quality factsheet). The Rye Department of Public Works also launched social media accounts and posted education messages on Facebook and Instagram in Year 6.

BMP: Grass and Fertilizer

Outreach Resources:

Grass and fertilizer related flyers, mailers, postcards, videos and social media posts found on the [MCM #1 webpage](#) of the NH MS4 website.

Description:

Distribution and promotion of "Green Grass and Clean Water" and social media posts. "Green Grass and Clean Water" materials were produced by UNH Cooperative Extension, NH Sea Grant, and NHDES 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

Responsible Department/Parties:

Department of Public Works

Measurable Goal(s):

Residents that are lawn care enthusiasts 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 are the number of flyers that were distributed *during this reporting period*:

Year 6 = 20-25 flyers

Goal was achieved.

Message Date: Annually in spring

BMP: Pet Waste Disposal

Outreach Resources:

Pet waste related flyers, mailers, postcards, and videos found on the [MCM #1 webpage](#) of the NH MS4 website.

Description:

Distribution and promotion of “Every Drop” flyers and municipally created brochures and/or newsletters, with educational information about proper pet waste management, impacts of improper management, pet waste ordinance, and disposal requirements messaging. May include the “Every Drop” 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

Responsible Department/Parties:

Department of Public Works

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.

Following is the number of residents that pledged through the PREP “Every Drop” website ***during this reporting period:***

Year 6 = 0

Following are the number of flyers and brochures that were distributed ***during this reporting period:***

Year 6 = 683 “Every Drop” flyers (during new dog owner registration or dog license renewal)

Year 6 = 20-25 “Every Drop” flyers and “Scoop the Poop” brochures (at the Public Works Office/Transfer Station)

Goal was achieved.

Message Date: At the time of license renewal

BMP: Disposal of Leaf and Grass Clippings

Outreach Resources:

Leaf and grass clippings related flyers, brochures, pledges, door hangers, and videos found on the [MCM #1 webpage](#) of the NH MS4 website.

Description:

Distribution and promotion of municipally created flyers, brochures, pledges, door hangers, newsletters, and/or videos with messaging about impacts from yard waste to waterbodies, alternatives to dumping yard waste, and laws against dumping yard waste near or in waterbodies.

Rye has implemented a composting effort/program by allowing the public to drop off compostable materials (leaves and vegetation) at the transfer station at no cost to residents five days a week. Screened, mature compost is available at no cost to residents. The Town also offers food waste composting at no cost to residents.

Targeted Audience:

Residential and Business

Responsible Department/Parties:

Department of Public Works

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 are the number of brochures that were distributed *during this reporting period:*

Year 6 = 20-25 brochures

Goal was achieved.

Message Date: Annually in fall

BMP: Septic System Maintenance

Outreach Resources:

Septic system related brochures, letters, videos, and social media posts found on the [MCM #1 webpage](#) of the NH MS4 website.

Description:

Distribution and promotion of Get Pumped NH and municipally created newsletter educating 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 NHDES.

Targeted Audience:

Septic System Owners

Responsible Department/Parties:

Department of Public Works

Measurable Goal(s):

Residents are aware of water quality impacts from septic systems, the importance of maintaining septic systems, and how to maintain them.

Following are the number of brochures that were distributed *during this reporting period:*

Year 6 = 20-25 brochures

Goal was achieved.

Message Date: Annually in fall

BMP: Construction/Developers Outreach**Outreach Resources:**

Construction/developers related letter and fact sheets found on the [MCM #1 webpage](#) of the NH MS4 website.

Description:

- ☒ Provide the Construction General Permit (CGP) outreach letter and fact sheets to developers, construction contractors, and other municipal or local organizations to educate them on the EPA 2022 Construction General Permit along with information on the selection, installation, and maintenance of construction related best management practices.
- ☒ Review the construction checklist with developers and construction contractors prior to the beginning of construction projects (pre-construction) to identify responsible parties, erosion control practices, other best management practices, and requirements for the EPA Construction General Permit as appropriate.

Targeted Audience:

Construction/Developers

Responsible Department/Parties:

Department of Public Works

Measurable Goal(s):

Contractors, developers, and municipal or local organizations are made aware of the EPA 2022 Construction General Permit and its associated requirements including that those who wish to be considered a qualified person to conduct inspections must meet EPA training standards. Contractors, developers, and municipal or local organizations are also educated on how to properly select, install, and maintain construction related best management practices.

Following is the number of fact sheets that were distributed to contractors, developers, and municipal or local organizations *during this reporting period:*

Year 6 = 28 CGP fact sheets; 28 BMP fact sheets

Following is the number of outreach letters that were distributed to contractors, developers, and municipal or local organizations **during this reporting period**:

Year 6 = 28 letters

The Town of Rye held **2** pre-construction meetings, representing less than **25%** of projects that received planning board approval and began construction **during this reporting period**.

Goal was achieved.

Message Date: April 5, 2024

Describe progress made on any **incomplete requirements** listed above **or** optionally provide any additional relevant details, in the box below:

The Town quarterly mails out the Town's Newsletter to every town resident, homeowner, and business. An article related to septic system maintenance, titled "Get Pumped – Rye" was included in the September 2023 edition of the Newsletter, an article related to disposal of leaves and grass clippings was included in the December 2023 edition; an article related to an article related to best management practices for lawn care was included in the March 2024 edition, and articles related to spring fertilization practices and dog waste were included in the June 2024 edition of the Newsletter. In addition, Rye Public Works' Spring Newsletter (June 2024), posted on the town's website and Public Works' Facebook page, had articles related to proper disposal of dog waste, fun facts about composting, and information about Public Works' new Facebook and Instagram accounts.

The Public Works Facebook and Instagram accounts were new in Year 6, launching November 2023 and May 2024, respectively, and included the following posts:

- National Stormwater Day on 11/16/23
- Salt Awareness Week on 1/22/24
- Fertilizing Lawn on 5/10/2024
- Yard Waste on 5/17/2024
- Lawn Watering on 6/7/24
- Beach water quality testing on 6/19/2024

Several brochures and flyers including, "Scoop the Poop", "Every Drop Matters" pledge, "Get Pumped! New Hampshire", "Green Grass & Clean Water", "Rake It or Leave It", and "New Hampshire Homeowner's Guide to Stormwater Management" are posted on the Public Works Department webpage (<https://www.town.rye.nh.us/stormwater-drainagems4>) and made available at the Public Works Office and Transfer Station. Also available at the Public Works Office and Transfer Station are "Septic Smart" and "What's Flushable" flyers.

MCM 2: Public Participation

- ☒ Provided an opportunity for public participation in review and implementation of SWMP and complied with State Public Notice requirements as described in the Rye SWMP.
- ☒ Kept records relating to the permit for 5 years and made available to the public.

Describe the opportunity provided for public involvement in the development of the Stormwater Management Program (SWMP) **during this reporting period:**

Description:

The Stormwater Management Program (SWMP) was publicly reviewed at a Rye Select Board meeting on June 24, 2024. The Public Works Director gave an update on the MS4 SWMP. Documents and records relating to the permit are retained, and available for 5 years to the public at the Public Works office in the Town Hall and on the Town's website on the Public Works webpage.

Was this opportunity different than what was proposed in your NOI?

☐ No.

☒ Yes. Rye made the following changes: **The Public Works Directed presented an MS4/SWMP update at a Select Board meeting in addition to the SWMP being publicly available on the Town's website.**

Measurable Goal(s):

An opportunity for the public to provide input was provided, and records were maintained.

Goal was achieved.

Describe any other public involvement or participation opportunities conducted **during this reporting period:**

- **The Town participated in a regional household hazardous waste collection day on September 16, 2023 at the Brentwood DPW. The event was advertised in the September 2023 issue of the Town of Rye Newsletter.**
- **Public Works participated in touch-a-truck events on July 8, 2023 and August 19, 2023.**
- **The Conservation Commission held a Connect to Protect workshop on October 24, 2023.**
- **Public Works had a table with information at the Rye Civic League/Deliberative Session on February 3, 2024.**

Describe progress made on any **incomplete requirements** listed above **or** optionally provide any additional relevant details, in the box below:

Not applicable

MCM 3: Illicit Discharge Detection and Elimination (IDDE)

Sanitary Sewer Overflows (SSOs)

- ☐ This SSO section is NOT applicable because we DO NOT have sanitary sewer.
- ☒ This SSO section is NOT applicable because we DID NOT find any new SSOs.
- ☐ The SSO inventory has been updated, including the status of mitigation and corrective measures implemented or was addressed and can be found in submission and/or at the following website .

Below, report on the number of SSOs identified in the MS4 system and removed:

Number of SSOs identified **during this reporting period: 0**

Number of SSOs removed **during this reporting period: 0**

MS4 System Mapping

- ☒ Updated **Phase 1** system map due in Year 2 as necessary:

Provide additional status information regarding your map:

Map of storm sewer system and associated outfalls was most recently updated in Year 6.

- ☒ Updated **Phase 2** system map (due in Year 10):

Percent of Phase 2 map completed: **85%** as of June 30, 2024.

Provide additional status information regarding your map:

Map of storm sewer system, catchments, and related elements was most recently updated in Year 6.

Screening of Outfalls/Interconnections

Dry Weather Screening

- ☒ No outfalls were inspected for dry weather screening **during this report period.**
- ☐ Outfalls were inspected for dry weather screening **during this report period** and data can be found in submission **and/or** at the following website.

Below, report on the number of outfalls screened in the MS4 system:

Number of outfalls/interconnections screened **during this reporting period: 0**

Percent of total known outfalls/interconnections screened **to date (Year 1 – Year 6): 100**

The inventory and ranking of outfalls/interconnections was not updated during Year 6 because outfalls/interconnections were not inspected.

Wet Weather Screening

- ☒ No outfalls/interconnections were inspected for wet weather screening **during this report period.**
- ☐ Wet weather outfall/interconnection screening data can be found in submission and/or at the following website.

Number of outfalls screened **during this reporting period: 0**

Percent of total known outfalls/interconnections screened **to date (Year 1 – Year 6): 0**

Catchment Investigations

- ☒ No catchment investigations were conducted **during this report period.** Catchment investigations include investigations associated with Problem, High Priority, and Low Priority Outfalls/Interconnections within the MS4 regulated area.
- ☐ Catchment investigations were conducted, and data can be found in submission and/or at the following website.

Number of catchment investigations **during this reporting period: 0.** Catchment Investigations were conducted as outlined in Part [2.3.4.8.](#) of the permit and include investigations associated with Problem, High Priority, and Low Priority Outfalls and Interconnections within the MS4 regulated area.

Percentage of total catchments investigated **to date (Year 1 - Year 6): 0**

IDDE Progress

- ☒ No illicit discharges were found **during this reporting period.**
- ☐ Illicit discharges were found but not removed **during this reporting period.**
- ☐ Illicit discharges were removed **during this reporting period** and the illicit discharges removal report can be found in submission **and/or** at the following website.

Number of illicit discharges identified **during this reporting period: 0**

Number of illicit discharges removed **during this reporting period: 0**

Estimated gallons of flow removed **during this reporting period: 0 gallons/day**

Total number of illicit discharges identified **since the effective date of the permit (July 1, 2018 – June 30, 2024): 0**

Total number of illicit discharges removed **since the effective date of the permit (July 1, 2018 – June 30, 2024): 0**

Employee Training

- ☒ Provided training to employees involved in IDDE program *during this reporting period*:
Rye held an IDDE training session for municipal staff on June 14, 2024; 8 staff members completed the training video. In addition, IDDE materials and training, including information on how to identify illicit discharges and SSOs are made available to applicable employees in accordance with IDDE Program Plan. Training logs are maintained at the Public Works office.

Describe progress made on any **incomplete requirements** listed above or optionally provide any additional relevant details, in the box below:

System vulnerability factor analysis is in progress, and will be finalized in Year 7. The inventory and ranking of outfalls/interconnections will be updated in conjunction with the system vulnerability factor analysis.

MCM 4: Construction Site Stormwater Runoff Control

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

Number of site plan reviews completed *during this reporting period*: 34

Number of inspections completed *during this reporting period*: 51

Number of enforcement actions taken *during this reporting period*: 0

The Town's engineering consultant conducts site inspections of developments, including erosion and sedimentation control. The Town of Rye works with contractors to address environmental concerns for the least environmental impact.

Describe progress made on any **incomplete requirements** listed above **or** optionally provide any additional relevant details, in the box below:

The number of site plan reviews and inspections completed includes sites both greater than and less than one acre in size.

MCM 5: Post-Construction Stormwater Management in New Development and Redevelopment

Ordinance or Regulatory Mechanism

- ☒ Rye has a regulatory mechanism(s) consistent with permit requirements.
Date regulatory mechanism(s) was adopted: **Prior to July 1, 2021**. The regulatory document (**Chapter 202 Land Development Regulations, Article IX Post-Construction Stormwater Management Standards**) can be found at:
https://www.town.rye.nh.us/sites/g/files/vyhlif3751/f/pages/ldr_codification_into_booklet_form_9-25-22_0.pdf
- ☐ ##MUNICIPALITY has not drafted or adopted a regulatory mechanism(s) consistent with permit requirements..

As-built Drawings

Number of as-built drawings received *during this reporting period*: **34**

Street Design and Parking Lots Report

- ☒ The **Assessment Report** was evaluated and no updates were recommended *during this reporting period*.
- ☐ The **Assessment Report** was evaluated and updates were recommended *during this reporting period*. Following are the recommended updates: ##MUNICIPALITY to note recommended or planned changes here. The anticipated date of completion for updates is ##date outlined in the report.
- ☐ No updates were made *during this reporting period* because all required updates have been made to make low impact designs allowable as outlined in the **Assessment Report**.
- ☒ No updates were made or planned to be made to **Local Regulations and/or Guidelines during this reporting period**.
- ☐ Updates were recommended **and/or** planned to be made to **Local Regulations and/or Guidelines during this reporting period**. Following are the recommended updates: ##MUNICIPALITY to note recommended or planned updates here. The anticipated date of completion for updates is ##date outlined in the report.
- ☐ No updates were made *during this reporting period* because all required **Local Regulation and/or Guideline** updates have been made to make low impact designs allowable as outlined in the Local Regulations Assessment Report.

Green Infrastructure Reports

- ☐ The **Assessment Report** was evaluated and no updates were recommended **during this reporting period**.
- ☐ The **Assessment Report** was evaluated and updates were recommended **during this reporting period**. Following are the recommended updates: ##MUNICIPALITY to note recommended or planned changes here. The anticipated date of completion for updates is ##date outlined in the report.
- ☒ No updates were made **during this reporting period** because there are no required updates to be made to make green infrastructure practices allowable as outlined in the **Assessment Report**.
- ☒ No updates were made or planned to be made to **Local Regulations during this reporting period**.
- ☐ Updates were made to the **Local Regulations during this reporting period**. ##MUNICIPALITY has made progress on Green Roofs, Infiltration Practices, **and/or** Water Harvesting. Progress includes updating the ordinance, regulation **and/or** code.
- ☐ No updates were made **during this reporting period** because all required **Local Regulation** updates have been made to make green infrastructure practices allowable as outlined in the **Assessment Report**.

Retrofit Properties Inventory

- ☒ Rye has identified the remaining permittee-owned properties that could be modified or retrofitted with BMPs to mitigate impervious areas and of which are included in the list below:

List of MS4 Properties: **None**

List of Non-MS4 Properties: **None**

List of permittee-owned properties identified:

Street Address	Is this property located in the MS4 area?	NH GIS ID
309 Grove Road	Yes	08187-011-134-000
20 Central Road	Yes	08187-012-055-000
555 Washington Road	Yes	08187-016-007-000
575 Washington Road	Yes	08187-012-043-000 / 012-042-001
10 Central Road	Yes	08187-012-054-000
0 Washington Road	Yes	08187-012-053-000
581 Washington Road	Yes	08187-012-042-000

- ☒ Rye has modified or retrofitted the following MS4 and/or Non-MS4 properties with BMPs to mitigate impervious area that were inventoried as part of 2.3.6.e of the permit. Following is a list of the properties that were modified or retrofitted as well as the type of BMP(s) that were implemented:

List of MS4 Properties: **None**

List of Non-MS4 Properties: **None**

Describe progress made on any **incomplete requirements** listed above **or** optionally provide any additional relevant details, in the box below:

The number of as-builts received includes sites both greater than and less than one acre in size.

A property (37 Central Road) was removed from the list of permittee-owned properties identified in Year 4 as it is no longer permittee-owned.

MCM 6: Good Housekeeping

Catch Basin Cleaning

- ☒ Stored and disposed of catch basin cleanings so they did not discharge to receiving waters.
- ☒ Report on the actions taken if a catch basin sump is more than 50% full during two consecutive routine inspections/cleaning events:

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 inspection reports of catch basin sumps more than 50% full are recorded on a list and scheduled for cleaning the next year.

Number of catch basins inspected **during this reporting period: 164**

Number of catch basins cleaned **during this reporting period: 164**

Total volume **or** mass of material removed from **all** catch basins **during this reporting period: 33 cubic yards**

Total number of catch basins within the MS4 system: **860**

Street Sweeping

- ☒ Stored and disposed of street sweepings so they did not discharge to receiving waters.
- ☒ All curbed roadways were swept at least once within the reporting period.

All curbed roadways were swept at least once **during this reporting period.**

Number of (lane) miles swept **during this reporting period: 90**

Volume of swept material **during this reporting period: 6 cubic yards**

Stormwater Pollution Prevention Plan (SWPPP)

The Town of Rye has implemented SWPPPs for all permittee owned or operated maintenance garages, public works yards, transfer stations, and other waste handling facilities that are not currently covered under another NPDES Permit.

Number of site inspections completed for **during this reporting period: 4**

Number of corrective actions taken **during this reporting period: 0**

Describe any corrective actions taken at a facility with a SWPPP:

No corrective actions necessary.

Operations and Maintenance (O & M) Programs

- ☒ O&M programs for all permittee owned facilities have been completed and/or updated as noted below:

- ☒ Implemented all maintenance procedures for permittee owned facilities in accordance with O&M programs.
- ☒ Updated inventory of all permittee owned facilities as necessary.
All permittee owned facilities, including an inventory, are included in our SWMP. There were no changes to report during Year 6.
- ☒ Implemented program for MS4 infrastructure maintenance to reduce the discharge of pollutants as outlined in the SWMP.
- ☒ Inspected all permittee owned treatment structures (excluding catch basins) as outlined in the SWMP.
- ☒ Enclosed all road salt storage piles or facilities and implemented winter road maintenance procedures to minimize the use of road salt as outlined in the SWMP.

Describe progress made on any **incomplete requirements** listed above **or** optionally provide any additional relevant details, in the box below:

The DPW Garage, Transfer Station, and Recycling Facility SWPPP was updated in December 2023.

Appendix F and H: TMDLs & Water Quality Limited Waters

Bacteria/Pathogens Impairment (Appendix H) AND TMDL (Appendix F)

- ☒ Annual message was distributed encouraging the proper management of pet waste, including noting any existing ordinances where appropriate *during this reporting period.*
- ☒ Permittee or its agent(s) disseminated educational material to dog owners at the time of issuance or renewal of dog license, or other appropriate time *during this reporting period.*
- ☒ Provided information to owners of septic systems about proper maintenance in any catchment that discharges to a water body impaired for bacteria *during this reporting period.*

Describe progress made on any **incomplete requirements** listed above or optionally provide any additional relevant details, in the box below:

Not applicable

Chloride Impairment (Appendix H)

☐ Permittee **does not** have a chloride impairment.

☒ Permittee **has** a chloride impairment.

☒ Fully implemented Salt Reduction Plan which can be found at the following website:

https://www.town.rye.nh.us/sites/g/files/vyhlif3751/f/uploads/salt_reduction_plan.pdf

The Municipal Green SnowPro Certification Program's (Program) rules and regulations were approved and adopted in 2024. The Program anticipates they will be ready to accept voluntary applications from municipalities in fall of 2024.

☒ Reported amount of salt applied to all municipally-owned and maintained surfaces by completing the New Hampshire DES Annual Salt Usage reporting form and submitting it to NHDES, and can be found in submission. The UNH Technology Transfer Center online tool is non-functional and has been for several years.

Describe progress made on any **incomplete requirements** listed above **or** optionally provide any additional relevant details, in the box below:

Not applicable

Nitrogen Impairment (Appendix H)

- ☐ Permittee **does not** have a nitrogen impairment.
- ☒ Permittee **has** a nitrogen impairment.
 - ☒ Distributed an annual message that encourages the proper use and disposal of grass clippings and encourages the proper use of slow-release fertilizers **during this reporting period.**
 - ☒ Distributed an annual message encouraging the proper management of pet waste, including noting any existing ordinances where appropriate **during this reporting period.**
 - ☒ Distributed an annual message encouraging the proper disposal of leaf litter **during this reporting period.**
 - ☐ Increased street sweeping frequency of all municipal owned streets and parking lots subject to Permit part 2.3.7.d.iii to a minimum of two times per year (spring and fall) **during this reporting period.**
 - ☒ Increased street sweeping frequency of all municipal owned streets and parking lots subject to Permit part 2.3.7.d.iii to a minimum of one time per year (spring) and implemented a fall leaf litter collection program in lieu of post-drop street sweeping **during this reporting period.**

Nitrogen Source Identification Report- Update

Structural BMPs

- ☒ The Nitrogen Source Identification Report was reviewed and there were no updates required **during this reporting period** because there were no revisions. The Nitrogen Source Identification Report can be found at the following website https://www.town.rye.nh.us/sites/g/files/vyhlif3751/f/uploads/nitrogen_source_identification_report_0.pdf.
- ☐ The Nitrogen Source Identification Report was **updated during this reporting period** and can be found in submission **and/or** at the following website. An updated list of the planned structural BMPs and a plan and schedule for implementation can be found in *Section 2: Potential Structural BMPs Report (Year 5) part I.1.c.ii* of the Nitrogen Source Identification Report.
- ☒ Rye has **not** installed a minimum of one structural BMP(s) as a demonstration project within the drainage area of the water quality limited water or its tributaries **by the end of this reporting period. See end of section for progress on incomplete item.**
- ☐ ##MUNICIPALITY has installed a minimum of one structural BMP(s) as a demonstration project within the drainage area of the water quality limited water or its tributaries, **but the structural BMP was installed after the end of this reporting period.** The structural BMP(s) was installed on ##Date structural BMP(s) was installed. The type of structural BMP(s) that was installed was

##Type of structural BMP(s) that was installed. Information regarding the installed BMP(s) can be found in *Section 2: Potential Structural BMPs Report (Year 5) in Part I.1.c.iii* of the Nitrogen Source Identification Report.

- ☐ ##MUNICIPALITY has installed a minimum of one structural BMP(s) as a demonstration project within the drainage area of the water quality limited water or its tributaries **by the end of this reporting period**. The type of structural BMP(s) that was installed was ##Type of structural BMP that was installed. Information regarding the installed BMP(s) can be found in *Section 2: Potential Structural BMPs Report (Year 5) in Part I.1.c.iii* of the Nitrogen Source Identification Report.

- ☐ Structural BMP(s) listed in Attachment 3 to Appendix F already existing or installed in the regulated area by ##MUNICIPALITY or its agents was tracked and the nitrogen removal by the BMP(s) was estimated consistent with Attachment 3 to Appendix F. The BMP(s) type, total area treated by the BMP(s), the design storage volume of the BMP(s), and the estimated nitrogen removed in mass per year by the BMP(s) were documented in **PTAP 2024 Nutrient Reduction Report** in submission **and/or** at ##website link. The total estimated nitrogen removed from the installed BMP(s) is ##lbs/year.

##MUNICIPALITY is utilizing the Pollutant Tracking and Account Project, better known as PTAP, to track nutrient reductions associated with stormwater structural and non-structural best management practices. PTAP was developed by the University of New Hampshire Stormwater Center and New Hampshire Department of Environmental Services utilizing the EPA Region 1 approved performance curves, to provide New Hampshire communities with a way to track their nutrient reductions. PTAP allows ##MUNICIPALITY the benefit of utilizing a uniform, defensible and consistent method for tracking reductions so that a common, weight of evidence based approach can be shared with other entities including EPA, NHDES, and other MS4 communities and interest groups. The consistent and systematic tracking and accounting framework also allows for routine updates when improved science becomes available.

- ☐ Structural BMP(s) listed in Attachment 3 to Appendix F already existing or installed in the regulated area by ##MUNICIPALITY or its agents was tracked and the nitrogen removal by the BMP(s) was estimated consistent with Attachment 3 to Appendix F. The BMP(s) type, total area treated by the BMP(s), the design storage volume of the BMP(s), and the estimated nitrogen removed in mass per year by the BMP(s) were documented in **##MUNICIPAL Tracking Program** in submission **and/or** at ##website link. The total estimated nitrogen removed from the installed BMP(s) is ##lbs/year.

- ☒ No BMPs were installed **during this reporting period. See end of section for progress on incomplete item**. The total estimated nitrogen removed from the installed BMP(s) is 0 lbs/year.

Describe progress made on any **incomplete requirements** listed above or optionally provide any additional relevant details, in the box below:

Potential structural BMPs for Lower Sagamore Creek still need to be evaluated. Lower Sagamore Creek was not on the 303(d) list during the development of the Nitrogen Source Identification Report, and it was added to Section 303(d) list in 2020-2022. Since Lower Sagamore Creek is tributary to Back Channel and Little Harbor, it was included in the original Nitrogen Source Identification Report; however potential structural BMPs were not formally evaluated.

Phosphorus Impairment (Appendix H)

- ☒ Permittee **does not** have a phosphorus impairment.
- ☐ Permittee **has** a phosphorus impairment.
- ☐ Distributed an annual message that encourages the proper use and disposal of grass clippings and encourages the proper use of slow-release fertilizers **during this reporting period.**
 - ☐ Distributed an annual message encouraging the proper management of pet waste, including noting any existing ordinances where appropriate **during this reporting period.**
 - ☐ Distributed an annual message encouraging the proper disposal of leaf litter **during this reporting period.**
 - ☐ Increased street sweeping frequency of all municipal owned streets and parking lots subject to Permit part 2.3.7.d.iii to a minimum of two times per year (spring and fall) **during this reporting period.**
 - ☐ Increased street sweeping frequency of all municipal owned streets and parking lots subject to Permit part 2.3.7.d.iii to a minimum of one time per year (spring) and implemented a fall leaf litter collection program in lieu of post-drop street sweeping **during this reporting period.**

Phosphorus Source Identification Report- Update

Structural BMPs

- ☐ The Phosphorus Source Identification Report was reviewed and there were no updates required **during this reporting period** because there were no revisions. The Phosphorus Source Identification Report can be found in submission **and/or** at the following website ##website link.
- ☐ The Phosphorus Source Identification Report was **updated during this reporting period** and can be found in submission **and/or** at the following website ##website link. An updated list of the planned structural BMPs and a plan and schedule for implementation can be found in *Section 2: Potential Structural BMPs Report (Year 5) part II.1.c.ii* of the Phosphorus Source Identification Report.
- ☐ ##MUNICIPALITY has **not** installed a minimum of one structural BMP(s) as a demonstration project within the drainage area of the water quality limited water or its tributaries **by the end of this reporting period.** ##MUNICIPALITY plans to install a structural BMP(S) on ##Date structural BMP will be installed.
- ☐ ##MUNICIPALITY has installed a minimum of one structural BMP(s) as a demonstration project within the drainage area of the water quality limited water or its tributaries, **but the structural BMP was installed after the end of this reporting period.** The structural BMP(s)

was installed on ##Date structural BMP(s) was installed. The type of structural BMP(s) that was installed was ##Type of Structural BMP(s) that was installed. Information regarding the installed BMP(s) can be found in *Section 2: Potential Structural BMPs Report (Year 5) in Part II.1.c.iii* of the Phosphorus Source Identification Report.

- ☐ ##MUNICIPALITY has installed a minimum of one structural BMP(s) as a demonstration project within the drainage area of the water quality limited water or its tributaries **by the end of this reporting period**. The type of structural BMP(s) that was installed was ##Type of Structural BMP that was installed. Information regarding the installed BMP(s) can be found in *Section 2: Potential Structural BMPs Report (Year 5) in Part II.1.c.iii* of the Phosphorus Source:
- ☐ Structural BMP(s) listed in Attachment 3 to Appendix F already existing or installed in the regulated area by ##MUNICIPALITY or its agents was tracked and the phosphorus removal by the BMP(s) was estimated consistent with Attachment 3 to Appendix F. The BMP(s) type, total area treated by the BMP(s), the design storage volume of the BMP(s), and the estimated phosphorus removed in mass per year by the BMP(s) were documented in **PTAP 2024 Nutrient Reduction Report** in submission **and/or** at ##website link. The total estimated phosphorus removed from the installed BMP(s) is ##lbs/year.

##MUNICIPALITY is utilizing the Pollutant Tracking and Account Project, better known as PTAP, to track nutrient reductions associated with stormwater structural and non-structural best management practices. PTAP was developed by the University of New Hampshire Stormwater Center and New Hampshire Department of Environmental Services utilizing the EPA Region 1 approved performance curves, to provide New Hampshire communities with a way to track their nutrient reductions. PTAP allows ##MUNICIPALITY the benefit of utilizing a uniform, defensible and consistent method for tracking reductions so that a common, weight of evidence based approach can be shared with other entities including EPA, NHDES, and other MS4 communities and interest groups. The consistent and systematic tracking and accounting framework also allows for routine updates when improved science becomes available.

- ☐ Structural BMP(s) listed in Attachment 3 to Appendix F already existing or installed in the regulated area by ##MUNICIPALITY or its agents was tracked and the phosphorus removal by the BMP(s) was estimated consistent with Attachment 3 to Appendix F. The BMP(s) type, total area treated by the BMP(s), the design storage volume of the BMP(s), and the estimated phosphorus removed in mass per year by the BMP(s) were documented in **##MUNICIPAL Tracking Program** in submission **and/or** at ##website link. The total estimated phosphorus removed from the installed BMP(s) is ##lbs/year.
- ☐ No BMPs were installed **during this reporting period**. The implementation schedule is outlined in *Section 2: Potential Structural BMPs Report (Year 5) in Part II.1.c.i* of the Phosphorus Source Identification Report. The total estimated phosphorus removed from the installed BMP(s) is 0 lbs/year.

Describe progress made on any **incomplete requirements** listed above **or** optionally provide any additional relevant details, in the box below:

Not applicable

Solids, Oil and Grease (Hydrocarbons), or Metals Impairment(s) (Appendix H)

- ☒ Permittee **does not** have a solids, oil and grease, or metals impairment(s).
- ☐ Permittee **has** a solids, oil and grease, or metals impairment(s).
- ☐ Increased street sweeping frequency of all municipal owned streets and parking lots to a schedule that targets areas with potential for high pollutant loads **during this reporting period.** ##MUNICIPALITY street sweeping schedule can be found in submission **and/or** at ##website link.

Describe progress made on any **incomplete requirements** listed above **or** optionally provide any additional relevant details, in the box below:

Not applicable

Chloride TMDL (Appendix F)

☒ Permittee **does not** have a chloride TMDL.

☐ Permittee **has** a chloride TMDL.

☒ Fully implemented Chloride Reduction Plan which can be found in submission **and/or** at the following website ##website link.

The Municipal Green SnowPro Certification Program's (Program) rules and regulations were approved and adopted in 2024. The Program anticipates they will be ready to accept voluntary applications from municipalities in fall of 2024.

☐ Reported amount of salt applied to all municipally-owned and maintained surfaces by completing the New Hampshire DES Annual Salt Usage reporting form, submitting it to NHDES, and can be found in submission **and/or** at the following website ##website link. The UNH Technology Transfer Center online tool is non-functional and has been for several years.

Describe progress made on any **incomplete requirements** listed above **or** optionally provide any additional relevant details, in the box below:

Not applicable

Lake and Pond Phosphorus TMDL (Appendix F)

- ☒ Permittee **does not** have a lake and pond phosphorus TMDL.
- ☐ Permittee **has** a lake and pond phosphorus TMDL.

Year 5 Lake Phosphorus Control Plan Reporting Requirements

- ☐ ##MUNICIPALITY has **not fully completed the Year 5 requirements** of the written Lake Phosphorus Control Plan **during this reporting period**. The partially completed plan can be found in submission **and/or** at the following website ##website link. The plan is available to the public at ##website **and/or** facility and physical location. ##MUNICIPALITY has completed the following sections of the written Lake Phosphorus Control Plan **during this reporting period**:
- ☐ Description of Planned Non-structural Controls
 - ☐ Description of Planned Structural Controls
 - ☐ Description of Operation and Maintenance (O&M) Program
 - ☐ Implementation Schedule
 - ☐ Cost and Funding Source Assessment
- ##MUNICIPALITY plans to complete the outstanding items noted above by ##Date.
- ☐ ##MUNICIPALITY **completed** a written Lake Phosphorus Control Plan **during the Year 5 reporting period** and was reported in the ##MUNICIPALITY Year 5 Annual Report. The completed plan can be found in submission **and/or** at the following website ##website link. The plan is available to the public at ##website link **and/or** facility and physical location. The completed written Lake Phosphorus Control Plan contains the following information:
- ☐ Description of Planned Non-structural Controls
 - ☐ Description of Planned Structural Controls
 - ☐ Description of Operation and Maintenance (O&M) Program
 - ☐ Implementation Schedule
 - ☐ Cost and Funding Source Assessment
- ☐ ##MUNICIPALITY **completed** a written Lake Phosphorus Control Plan **during this reporting period**. ##MUNICIPALITY utilized the resources developed by the New Hampshire Stormwater Coalition. Resources, including the written Lake Phosphorus Control Plan template, were not developed until after the Year 5 reporting period. The completed plan can be found in submission **and/or** at the following website ##website link. The plan is available to the public at ##website **and/or** facility and physical location. The completed written Lake Phosphorus Control Plan contains the following information:

- ☐ Description of Planned Non-structural Controls
- ☐ Description of Planned Structural Controls
- ☐ Description of Operation and Maintenance (O&M) Program
- ☐ Implementation Schedule
- ☒ Cost and Funding Source Assessment

Year 6 Lake Phosphorus Control Plan Reporting Requirements

Baseline phosphorus export rate required from LPCP Area (lbs/year)[A]: ##Number

Total phosphorus reduction from all implemented nonstructural controls **during this reporting period** (lbs/year) [B]: ##Number

Total phosphorus reduction from all structural controls installed **during this reporting period and all previous years** (lbs/year) [C]: ##Number

Phosphorus load increase due to development incurred since baseline loading was calculated in lbs/year [D]: 0

##MUNICIPALITY is utilizing the resources developed by the New Hampshire Stormwater Coalition. Resources have been developed but the **phosphorus load increase due to development incurred since baseline loading** was not calculated **during this reporting period**. The New Hampshire Stormwater Coalition is in the process of calculating the **phosphorus load increase due to development incurred since baseline loading** and will be available during Year 7. ##MUNICIPALITY will provide an update on the progress in the Year 7 Annual Report.

Phosphorus load increase due to development incurred since baseline loading was calculated in lbs/year [D]: ##Number

Current phosphorus export rate from the LPCP Area in lbs/year [=A-(B+C)+D from above]: ##Number

Non-Structural Controls

- ☐ ##MUNICIPALITY has **not** implemented all selected Lake Phosphorus Control Plan **non-structural control measure(s) during this reporting period** and has **not** documented the measure(s) and their phosphorus reductions. The non-structural control measure(s) that have been implemented are recorded within the ##MUNICIPALITY's written Lake Phosphorus Control Plan which can be found in submission **and/or** at the following website ##website link.
- ☐ ##MUNICIPALITY has implemented all selected Lake Phosphorus Control Plan **non-structural control measure(s) during this reporting period** and documented the measure(s) and their phosphorus reductions. The **non-structural control measure(s)** are noted within the

##MUNICIPALITY written Lake Phosphorus Control Plan which can be found in submission **and/or** at the following website ##website link.

##MUNICIPALITY is utilizing the Pollutant Tracking and Account Project, better known as PTAP, to track nutrient reductions associated with non-structural best management practices. PTAP was developed by the University of New Hampshire Stormwater Center and New Hampshire Department of Environmental Services utilizing the EPA Region 1 approved performance curves, to provide New Hampshire communities with a way to track their nutrient reductions. PTAP allows ##MUNICIPALITY the benefit of utilizing a uniform, defensible and consistent method for tracking reductions so that a common, weight of evidence based approach can be shared with other entities including EPA, NHDES, and other MS4 communities and interest groups. The consistent and systematic tracking and accounting framework also allows for routine updates when improved science becomes available.

Structural Controls

- ☐ ##MUNICIPALITY has **not** installed any **structural control measure(s)** within the Lake Phosphorus Control Plan area **during this reporting period or during previous reporting periods**. Therefore ##MUNICIPALITY has not documented the location, phosphorus reduction in mass/year, and date of last completed maintenance and inspection for each installed control within the written Lake Phosphorus Control Plan.
- ☐ ##MUNICIPALITY has installed **structural control measure(s)** within the Lake Phosphorus Control Plan area **during this reporting period or during previous reporting periods**. ##MUNICIPALITY has documented the location, phosphorus reduction in weight/year, and date of last completed maintenance and inspection for each installed structural control measure(s). The documented information for each of the installed structural control measure(s) are noted within the written Lake Phosphorus Control Plan which can be found in submission **and/or** at the following website ##website link.

##MUNICIPALITY is utilizing the Pollutant Tracking and Account Project, better known as PTAP, to track nutrient reductions associated with structural best management practices. PTAP was developed by the University of New Hampshire Stormwater Center and New Hampshire Department of Environmental Services utilizing the EPA Region 1 approved performance curves, to provide New Hampshire communities with a way to track their nutrient reductions. PTAP allows ##MUNICIPALITY the benefit of utilizing a uniform, defensible and consistent method for tracking reductions so that a common, weight of evidence based approach can be shared with other entities including EPA, NHDES, and other MS4 communities and interest groups. The consistent and systematic tracking and accounting framework also allows for routine updates when improved science becomes available.

Describe progress made on any **incomplete requirements** listed above **or** optionally provide any additional relevant details, in the box below:

Not applicable

Additional Required Information

Monitoring or Study Results

Results from all stormwater or receiving water quality monitoring or studies conducted **during the reporting period** and **not otherwise mentioned above**, where the data is being used to inform permit compliance or permit effectiveness is:

☒ Not applicable.

☐ The results from additional reports or studies are in submission **and/or** at the following website.

If such monitoring or studies were conducted on your behalf or if monitoring or studies conducted by other entities were reported to you, a brief description of the type of information gathered or received shall be described below:

Not applicable

Description of Any Changes in Identified BMPs or Measurable Goals

Rye 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 Planned for Next Reporting Period

Rye will continue to implement activities in accordance with the permit and SWMP.