

Year 6 Annual Report

New Hampshire Small MS4 General Permit

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

North Hampton

Prepared By:

**FB Environmental Associates, Adapted from Plans developed by
Seacoast and Lower Merrimack Valley Stormwater Coalitions**

Prepared For:

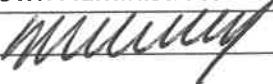
Town of North Hampton

EPA NPDES Permit Number NHR041024

Document Date – September 25, 2024

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:	Michael Tully
Title:	Town Administrator
Signature:	
	Date: 9/25/24

Authorized Representative:

The authorization letter is:

Attached to this document (document name listed below):

N/A

Publicly available at the website:

N/A

Primary MS4 Program Manager Contact Information:

Name: Michael Tully	Title/Position: Town Administrator	
Department: Public Works Department		
Street Address: 237A Atlantic Avenue		
City: North Hampton	State: New Hampshire	Zip Code: 03862
Email: mtully@northhampton-nh.gov jhubbard@northhampton-nh.gov	Phone Number: 603-964-8087 603-964-6442	

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>
<https://www3.epa.gov/region1/npdes/stormwater/nh/tms4noi/north-hampton.pdf>

Compliance activities have been identified and described in the North Hampton 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.northhampton-nh.gov/sites/g/files/vyhlif996/f/pages/north_hampton_swmp_2021.pdf

Date SWMP was Last Updated: July 2021

IDDE Program Plan: https://www.northhampton-nh.gov/sites/g/files/vyhlif996/f/pages/n.hampton-seacoast-stormwater-idde-plan_2023.pdf

Updated System Map: see Appendix B – Storm System Mapping of the IDDE plan linked above for the Drainage System map and Impaired waters map.

Progress on Completion of System Map: The Drainage System map was completed in Year 2 of the permit (2020).

Updated SSO Inventory: Not applicable. The town of North Hampton has no sanitary sewer overflows.

Updated Inventory and Ranking of Outfalls/Interconnections: see the “Outfall Inventory and Priority Ranking Matrix” in the IDDE plan linked above.

Dry Weather Screening Data: see attached submission and/or attachment B in the Nitrogen Source Identification Report linked here: https://www.northhampton-nh.gov/sites/g/files/vyhlif996/f/pages/nitrogen-source-identification-reportpotential-structuralbmprs-report-september2023_002.pdf

Wet Weather Screening Data: Wet weather sampling was not conducted in the Year 6 reporting period. Wet weather screening and sampling is anticipated to be done in Year 7 (2024-2025)

Catchment Investigation Data: A written catchment investigation procedure was prepared in Year 1.5. Catchment and problem catchment investigation is scheduled for Year 7 and Year 10 respectively.

System Vulnerability Factors: See Section 7.2 on page 24 of the IDDE Program Plan linked above.

Illicit Discharge Removal Report: None.

Results from additional stormwater or receiving water quality monitoring reports or studies:
Winnicut River Watershed Restoration and Management Plan (2017): <https://nhrivers.org/wp-content/uploads/2019/10/WinnicutRiverWRMP.pdf>

PTAP 2024 Nutrient Reduction Report: N/A

Salt Reduction Plan: Not applicable. However, the town has prepared a Winter Maintenance Plan to be proactive in preventing an impairment. The Winter Maintenance Plan is available at this link:
https://www.northhampton-nh.gov/sites/g/files/vyhlif996/f/pages/winter-road-maintenance-plan-northhampton_updated_august_2023.pdf

Annual Salt Usage Report: N/A

Updated Nitrogen Source Identification Report: https://www.northhampton-nh.gov/sites/g/files/vyhlif996/f/pages/nitrogen-source-identification-reportpotential-structuralbmps-report-september2023_002.pdf
The Winnicut River is a tributary to an impaired waterbody, The Great Bay, however the segments of the Winnicut River within North Hampton are not impaired for nitrogen.

PTAP 2024 Nutrient Reduction Report: N/A

North Hampton Nutrient Tracking Program Report: N/A. North Hampton will be developing a program to track structural and non-structural BMPs and nutrient reduction in Year 7.

Updated Phosphorus Source Identification Report: N/A

PTAP 2024 Nutrient Reduction Report: N/A

North Hampton Nutrient Tracking Program Report: N/A

Street Sweeping Schedule: N/A

Chloride Reduction Plan: N/A

Annual Salt Usage Report N/A

Lake Phosphorus Control Plan N/A

PTAP 2024 Nutrient Reduction Report: N/A

North Hampton Nutrient Tracking Program Report: N/A

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: Water Quality Limited Waters & TMDLs” section of this report.

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

**The Winnicut River originates in North Hampton and is a tributary to the Great Bay, a waterbody impaired for nitrogen. However, the segments of the Winnicut River within North Hampton are not impaired for nitrogen. See updated list of receiving waters (based on the 2020/2022 303(d) Impaired Waters List) in the town's IDDE plan.*

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:

None for impairments covered by the MS4 permit. Several watercourses are now also impaired for other parameters such as Dioxin, PCBs, pH, and mercury

TMDL:

- WINNICUT RIVER - UNNAMED BROOK - CORNELIUS BROOK (NHRI600030901-01) - Escherichia coli
- WINNICUT RIVER - BARTON BROOK - MARSH BROOK - THOMPSON BROOK (NHRI600030901-02) - Escherichia coli
- TRIB TO CHAPEL BROOK (NHRI600031002-23) - Escherichia coli
- CHAPEL BROOK (NHRI600031002-24) - Escherichia coli

No

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

The summary of receiving waters has been updated in the IDDE Plan.

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.

A total of ##Number outfall(s) have added.

A total of ##Number outfall(s) have removed.

No

North Hampton 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:

N/A

Minimum Control Measures

MCM 1: Public Education

Total number of all MS4 related educational efforts completed ***during this reporting period:*** 21

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

No.

Yes. North Hampton made changes due to N/A.

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/or** municipally created flyers, mailers, postcards, videos, **and/or** 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 **and/or** Business and Institutions

Responsible Department/Parties:

The Department of Public Works were responsible for this MS4 outreach effort.

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, mailers, **and/or** postcards that were distributed ***during this reporting period:***

Year 6 = 0 flyers

Year 6 = 1380 views of email blast sent out to the community via the Town’s Friday Folder’s newsletter.

Year 6 = 0 postcards

Following is the number of impressions the social media posts received ***during this reporting period***:

Year 6 = 0 impressions

Following is the number of views the videos received ***during this reporting period***:

Year 6 = 0 views

North Hampton Campaign Metrics (Location and number of people who viewed display at event, number of people who attended the public presentation, etc.) ***during this reporting period***. N/A

Goal was achieved.

Message Date: Targeted outreach in spring of Year 6. Emails sent out each Friday in April and May.

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 municipally created flyers, mailers, postcards, and/or brochures, 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.

Distribute custom brochures to pet owners through Town Clerk’s Office at time of pet registration.

Targeted Audience:

Residents - Pet Owners

Responsible Department/Parties:

Town Clerk, Town Office, Library, and Public Works Departments were responsible for this MS4 outreach effort

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 are the number of flyers, mailers, postcards, **and/or** brochures that were distributed ***during this reporting period***:

Year 6 = 0 flyers

Year 6 = 0 mailers

Year 6 = 0 postcards

Year 6 = 300 brochures

Following is the number of views the videos received ***during this reporting period:***

Year 6 = 0 views; the Town did not use video engagement.

Goal was achieved.

Message Date: 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:

North Hampton has implemented a composting effort/program through North Hampton's brush facility, allowing the public to drop off compostable materials at municipally owned properties, and/or providing educational materials on the water quality benefits of composting, etc.

North Hampton promotes disposal of leaf and grass clippings through brochures and Town wide e-mails on a regular basis as well as promoting collection and composting at the brush facility.

Targeted Audience:

Residential **and/or** Business and Institutions

Responsible Department/Parties:

Town Office, Town Recreation Department

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 flyers, brochures, and door hangers that were distributed ***during this reporting period:***

Year 6 = 0 flyers

Year 6 = 0 brochures

Year 6 = 0 door hangers

Year 6 = 1388 views of an email blast sent out to the community via the Town's Friday Folder's newsletter.

Following is the number of residents that signed a yard waste pledge ***during this reporting period***:

Year 6 = 0 residents

Following is the number of views the videos received ***during this reporting period***:

Year 6 = 0; The Town did not use videos for engagement.

North Hampton's Composting Program has received and processed 100 CY of material from residents and municipally owned properties ***during this reporting period***.

North Hampton Campaign Metrics (Location and number of people who viewed display at event, number of people who attended the public presentation, etc.) ***during this reporting period***. N/A

Goal was achieved.

Message Date: Targeted outreach during summer and fall.

BMP: Septic System Maintenance

Outreach Resources:

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

Description:

Distribution and promotion of Get Pumped NH, EPA, **and/or** municipally created brochures, letters, videos, **and/or** social media posts 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 was responsible for this MS4 outreach effort

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 and letters that were distributed ***during this reporting period***:

Year 6 = 0 brochures

Year 6 = 0 letters

Year 6 = 2776 views of an email blast sent out to the community via the Town's Friday Folders newsletter.

Following is the number of impressions the social media posts received ***during this reporting period:***

Year 6 = 0 impressions

Following is the number of views the videos received ***during this reporting period:***

Year 6 = 0; The Town did not use videos for engagement.

North Hampton Campaign Metrics (Location and number of people who viewed display at event, etc.) ***during this reporting period.*** N/A

Goal was achieved.

Message Date: Fall of 2023, Spring of 2024.

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:

North Hampton Planning Department, Code Enforcement Department, Public Works Department

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 = 2 CGP fact sheets

Year 6 = 2 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 = 0 letters

The Town of North Hampton held 2 pre-construction meetings, representing 100% of projects that received planning board approval and began construction ***during this reporting period***.

Goal was achieved.

Message Date: Throughout the reporting period.

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

Pet waste and septic system maintenance brochures are available at the Town Clerks and other Town offices for residents to take when they visit.

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 North Hampton 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) is publicly available for review at the North Hampton Town Clerks Office and Town Library. Documents and records relating to the permit are retained and available for 5 years to the public at these town locations as well as available online at the Town's MS4 website: <https://www.northhamptonnh.gov/public-works-department/pages/storm-water-management-plans>.

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

- No.

- Yes. North Hampton made the following changes: N/A

Measurable Goal(s):

Input was received and records are maintained.

Goal was achieved.

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

Public involvement or participation opportunities are ancillary to daily operations.

North Hampton conducted a Household Hazardous Waste Collection Day in September 2023.

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 N/A.

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:

Phase 1 map of storm sewer system and associated outfalls was completed in Year 2 and there have been no updates since that time.

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

Percent of Phase 2 map completed: 0% of Phase 2 system map completed as of June 30, 2024.

Provide additional status information regarding your map:

Map of storm sewer system, catchments, and related elements was completed in Year 2 and there have been no updates since that time.

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: N/A.

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: N/A

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: N/A.

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)***: 100%

All three outfalls/catchments in North Hampton's MS4 area are ranked as Low Priority.

IDDE Progress

- No illicit discharges were found ***during this reporting period***.
- Illicit discharges were found but not removed ***during this reporting period***. N/A.
- 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: N/A.

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:***

North Hampton Public Works staff were trained using IDDE training videos and a written IDDE SOP created by UNH, the City of Dover, and NHDES. Video topics included collecting data and water samples in the field, analyzing for pertinent parameters as identified in the permit, how to identify an illicit discharge, and general IDDE sampling protocols. Training logs are included in Appendix G of the IDDE Program Plan.

In addition, North Hampton routinely provides IDDE materials and training, including information on how to identify illicit discharges and SSOs, which are made available to applicable employees in accordance with IDDE Program Plan.

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

Not Applicable. The Town of North Hampton plans to complete annual training in the spring of each reporting year utilizing in house training/discussions, videos, and seminars when available.

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:*** 2

Number of inspections completed ***during this reporting period:*** 1

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

North Hampton works closely 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:

Not Applicable.

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

Ordinance or Regulatory Mechanism

North Hampton has a regulatory mechanism(s) consistent with permit requirements. Date regulatory mechanism(s) was adopted: prior to July 1st 2021. The regulatory document can be found at: https://www.northhampton-nh.gov/sites/g/files/vyhlif996/f/uploads/site_plan_regs_04202021.pdf under Section X, Subsection F. "Post Construction Stormwater Management Standards".

On May 18, 2017, the North Hampton Planning Board voted to incorporate the model stormwater regulations into the Town's Site Plan Review Regulations. The adopted regulations are very similar to the SWA 2012 model stormwater standards.

The regulations were updated and amended September 17, 2019.

North Hampton has not drafted **or** adopted a regulatory mechanism(s) consistent with permit requirements. N/A.

As-built Drawings

Number of as-built drawings received ***during this reporting period:*** 1

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: North Hampton to note recommended or planned changes here. The anticipated date of completion for updates is N/A.

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: North

Hampton to note recommended or planned updates here. The anticipated date of completion for updates is N/A.

- 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: North Hampton to note recommended or planned changes here. The anticipated date of completion for updates is N/A.
- No updates were made ***during this reporting period*** because all required updates have been 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***. North Hampton 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

- North Hampton 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: 7 out of the top 8 properties identified in the hot spot mapping are permittee-owned properties within the MS4 regulated area. Below are the physical addresses for these properties. Properties marked with an asterisk (*) were identified as potentially being suitable candidates for BMP construction and retrofits, either due to their site factor feasibility/suitability and/or due to recent redevelopment and improvements completed at the property.

1. North Hampton Recycling Center*; 14 Cherry Road
2. North Hampton Public Library*; 239 Atlantic Avenue
3. North Hampton Town Hall*; 237A Atlantic Avenue
4. Town Property*; 233 Atlantic Avenue
5. Town Property; 231 Atlantic Avenue
6. Center Cemetery*; 196 Post Road
7. North Hampton Highway Department; 10 Airport Road

List of Non-MS4 Properties: 1 out of the top 8 properties identified in the hot spot mapping are permittee-owned properties outside the MS4 regulated area.

1. Dearborn Park; Rt. 111/Exeter Road

- North Hampton 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: North Hampton's safety complex, located at 233 Atlantic Avenue was rebuilt in 2023. Stormwater runoff from impervious areas as well as the garage bays of the fire and police department is captured and directed to an engineered stormwater infiltration system that was constructed beneath the parking lot area.

List of Non-MS4 Properties: 0 of permittee-owned properties outside the MS4 regulated area.

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

The Street Design and Green Infrastructure Regulatory Assessment Report and Inventory and Priority Ranking of Permittee-Owned Properties under MCM 5 were completed in Year 5 and were submitted as attachments to that report.

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.

Number of catch basins inspected ***during this reporting period:*** 90

Number of catch basins cleaned ***during this reporting period:*** 8

Total volume **or** mass of material removed from **all** catch basins ***during this reporting period:*** 2 cubic yards.

Total number of catch basins within the MS4 system: 70

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.

Number of (lane) miles swept ***during this reporting period***: 62

Volume of swept material ***during this reporting period***: 6 Cubic Yards

Stormwater Pollution Prevention Plan (SWPPP)

North Hampton 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***: 0

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:

Not Applicable.

Appendix F and H: Water Quality Limited Waters & TMDLs

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 in submission **and/or** at the following website: N/A.

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 **and/or** at the following website: N/A. 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:

North Hampton does not have a chloride impairment. This section is not applicable to the Town. Nevertheless, the Town of North Hampton has developed a Winter Maintenance Plan and has implemented procedures outlined in the document. The plan is posted online at the Town's MS4 website and is available at the following link: https://www.northhampton-nh.gov/sites/g/files/vyhlif996/f/pages/winter-road-maintenance-plan_northhampton_updated_august_2023.pdf

Nitrogen Impairment (Appendix H)

- 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 in submission **and/or** at the following website https://www.northhampton-nh.gov/sites/g/files/vyhlif996/f/pages/nitrogen-source-identification-reportpotential-structuralbmps-report-september2023_002.pdf
- The Nitrogen Source Identification Report was **updated during this reporting period** and can be found in submission **and/or** at the following website: N/A. 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.
- North Hampton 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.** North Hampton plans to install a structural BMP(s) in July 2024.
- North Hampton 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 N/A. The type of structural BMP(s) that was installed was N/A. 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.

- North Hampton 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 N/A. 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 North Hampton 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 N/A. The total estimated nitrogen removed from the installed BMP(s) is N/A lbs/year.

North Hampton 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 North Hampton 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 North Hampton 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 **N/A**. The total estimated nitrogen removed from the installed BMP(s) is N/A 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 I.1.c.i* of the Nitrogen Source Identification Report. 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:

North Hampton has been identified by the EPA as having total nitrogen impairments. Portions of the Winnicut River are located within MS4 regulated area in North Hampton. The Winnicut River is not listed as impaired for nitrogen. However, the Winnicut River discharges to the Great Bay, which has been identified as impaired for nitrogen.

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: N/A.
- The Phosphorus Source Identification Report was **updated during this reporting period** and can be found in submission **and/or** at the following website: N/A. 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.
- North Hampton 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**. North Hampton plans to install a structural BMP(S) on N/A.
- North Hampton 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 N/A. The type of structural BMP(s) that was installed was N/A. 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.

- North Hampton 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 N/A. 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.

- Structural BMP(s) listed in Attachment 3 to Appendix F already existing or installed in the regulated area by North Hampton 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 **N/A**. The total estimated phosphorus removed from the installed BMP(s) is 0 lbs/year.

North Hampton 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 North Hampton 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 North Hampton 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 **N/A**. The total estimated phosphorus removed from the installed BMP(s) is 0 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:

North Hampton does not have phosphorous impairment. This section is not applicable to the Town.

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.*** North Hampton street sweeping schedule can be found in submission **and/or** at N/A.

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

North Hampton does not have a solids, oil and grease, or metals impairment(s). This section is not applicable to the Town.

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: N/A.

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: N/A. 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:

North Hampton does not have a chloride TMDL. This section is not applicable to the Town.

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

- North Hampton 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 N/A. The plan is available to the public at N/A. North Hampton has completed the following sections of the written Lake Phosphorus Control Plan **during this reporting period**: N/A
 - 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

North Hampton plans to complete the outstanding items noted above by N/A.

- North Hampton **completed** a written Lake Phosphorus Control Plan **during the Year 5 reporting period** and was reported in the North Hampton Year 5 Annual Report. The completed plan can be found in submission **and/or** at the following website: N/A. The plan is available to the public at N/A. 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
- North Hampton **completed** a written Lake Phosphorus Control Plan **during this reporting period**. North Hampton 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 : N/A. The plan is available to the public at N/A. 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]: N/A

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

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

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

North Hampton 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. North Hampton 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]: 0

Current phosphorus export rate from the LPCP Area in lbs/year [=A-(B+C)+D from above]: 0

Non-Structural Controls

- North Hampton 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 North Hampton's written Lake Phosphorus Control Plan which can be found in submission **and/or** at the following website: N/A.
- North Hampton 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 North Hampton's written Lake Phosphorus Control Plan which can be found in submission **and/or** at the following website: N/A.

Structural Controls

- North Hampton 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 North Hampton 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.
- North Hampton has installed **structural control measure(s)** within the Lake Phosphorus Control Plan area **during this reporting period or during previous reporting periods**. North Hampton 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 : N/A.

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

North Hampton does not have a lake and pond phosphorous TMDL. This section is **not applicable** to the Town.

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 N/A.

No additional monitoring was conducted during this reporting period.

Description of Any Changes in Identified BMPs or Measurable Goals

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 Planned for Next Reporting Period

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