Year 7 Annual Report

New Hampshire Small MS4 General Permit

EXISTING PERMITTEES

Reporting Period: July 1, 2024 - June 30, 2025

University of New Hampshire

EPA NPDES Permit Number NHR042001

Certification of Small MS4 Year 7 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: William Janelle	
Title: Associate Vice President – UNH Facilities	
Signature: 	Date: 09/26/25

Authorized Representative:

The authorization letter is:

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

☒ Publicly available at the website:

https://www.epa.gov/npdes-permits/regulated-ms4-new-hampshire-communities

Primary MS4 Program Manager Contact Information:

Name: William Powers	Title/Position: Utilities Distribution Superintendent	
Department: UNH Facilities – Energy and Utilities		
Street Address: 6 Leavitt Lane		
City: Durham	State: New Hampshire	Zip Code: 03824
Email: will.powers@unh.edu	Phone Number: (603) 815-2257	

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, 2024, through June 30, 2025,** in accordance with the Permit.

Please do not attach any documents to this form. Instead, attach all requested documents to an email when submitting the form. Also ensure that any websites included on this form are to publicly accessible sites and that links are correct and valid.

Unless otherwise noted, all fields are required to be filled out. If a field is left blank, it will be assumed the requirement or task has not been completed. Please ONLY report on activities between July 1, 2024 and June 30, 2025 unless otherwise requested.

The Notice of Intent (NOI) can be found at the following (document name or web address):

https://www.epa.gov/npdes-permits/regulated-ms4-new-hampshire-communities

Compliance activities have been identified and described in the University of New Hampshire Stormwater Management Program Plan (SWMP) and Illicit Discharge Detection and Elimination (IDDE) Plan. Those documents and other pertinent Year 7 information can be found in submission or at the following websites, and will be referred to throughout this report:

SWMP: https://www.unh.edu/facilities/about/energy-utilities/storm-water-management
Date SWMP was Last Updated: 04/28/2025
IDDE Program Plan: See attached submission.
Updated System Map See IDDE Program Plan, pg. 22-23
Updated SSO Inventory: See IDDE Program Plan, pg. 7
Updated Inventory and Ranking of Outfalls/Interconnections with System Vulnerability Factors: See IDDE Program Plan, pg. 25
Dry Weather Screening Data: See attached submission.
Wet Weather Screening Data: See attached submission.
Catchment Investigation Data: See attached submission.
Illicit Discharge Removal Report: See IDDE program plan, pg. 89
Results from additional stormwater or receiving water quality monitoring reports or studies: N/A
PTAP 2025 Nutrient Reduction Report: See attached submission.
Salt Reduction Plan: https://www.unh.edu/facilities/about/energy-utilities/storm-water-management
Annual Salt Usage Report See attached submission.
Updated Nitrogen Source Identification Report: See attached submission.
Municipal Nutrient Tracking Program Report: N/A
Updated Phosphorus Source Identification Report: N/A

PTAP 2025 Nutrient Reduction Report: N/A
Municipal Nutrient Tracking Program Report: N/A
Street Sweeping Schedule: N/A
Chloride Reduction Plan: N/A

Lake Phosphorus Control Plan: N/A
PTAP 2025 Nutrient Reduction Report: N/A
Municipal 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 7 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)		
☒ Bacteria/Pathogens	☒ Chloride	☒ Nitrogen
☐ Phosphorus	☐ Solids/Oil/Grease (Hydrocarbons)/Metals	
TMDL(s)		
☐ Bacteria and Pathogens	☐ Chloride	☐ 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:

TMDL:

☒ 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.

A total of **62** outfall(s) have been added.

A total of **0** outfall(s) have been removed.

☐ No

UNH 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 list of outfalls has been updated to reflect changes found during routine record review along with the addition of new outfalls associated with new construction.

Minimum Control Measures

MCM 1: Public Education

Total number of all MS4 related educational efforts completed ***during this reporting period***: 3

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

☒ No.

☐ Yes

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 University created flyers. "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.

These materials are made available at Dimond Library, as well as at "U Day", an annual event representing all communities at University of New Hampshire.

Targeted Audience:

Residential, business, and institutional.

Responsible Department/Parties:

UNH Facilities

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 is the number of flyers that were distributed ***during this reporting period*:**

Year 7 = 28 flyers

Approximately 50-100 students and town residents engaged with staff members or viewed the public display at U-Day ***during this reporting period.***

Goal was achieved.

Message Date: UNH U-Day September 5, 2024, and throughout the year at Dimond Library.

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 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.

These materials are made available at Dimond Library, as well as at "U Day", an annual event representing all communities at University of New Hampshire.

Targeted Audience:

Residents - Pet Owners

Responsible Department/Parties:

UNH Facilities

Measurable Goal(s):

Dog owners and 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 that were distributed ***during this reporting period*:**

Year 7 = 16 flyers

Approximately 50-100 students and town residents engaged with staff members or viewed the public display at U-Day ***during this reporting period.***

Goal was achieved.

Message Date: UNH U-Day September 5, 2024, and throughout the year at Dimond Library.

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, and 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.

These materials are made available at Dimond Library, as well as at "U Day", an annual event representing all communities at University of New Hampshire.

Targeted Audience:

Residential, Business, and Institutions

Responsible Department/Parties:

UNH Facilities

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 7 = 9 brochures

Approximately 50-100 students and town residents engaged with staff members or viewed the public display at U-Day ***during this reporting period.***

Goal was achieved.

Message Date: Fall, UNH U-Day September 5, 2024, and throughout the year at Dimond Library.

BMP: Septic System Maintenance

Outreach Resources:

Septic system related brochures found on the MCM #1 webpage of the NH MS4 website.

Description:

Distribution and promotion of Get Pumped NH brochures 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.

These materials are made available at Dimond Library, as well as at "U Day", an annual event representing all communities at University of New Hampshire.

Targeted Audience:

Septic System Owners

Responsible Department/Parties:

UNH Facilities

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 7 = 20 brochures

Approximately 50-100 students and town residents engaged with staff members or viewed the public display at U-Day ***during this reporting period*** **Goal was achieved.**

Message Date: UNH U-Day September 5, 2024, and throughout the year at Dimond Library.

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:

UNH Facilities

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 7 = 8 of CGP fact sheets

Year 7 = 8 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 7 = 10 letters

University of New Hampshire held 12 pre-construction meetings, representing 100% of projects that received planning board approval and began construction ***during this reporting period*****.**

Goal was achieved.

Message Date: Message is distributed to contractors and developers on a continual basis as new projects are bid and awarded.

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

Not applicable

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 University of New Hampshire 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 the UNH EcoTaskforce – Watershed Subcommittee meetings. Documents and records relating to the permit are retained and available for 5 years to the public at the following web page:

https://www.unh.edu/facilities/about/energy-utilities/storm-water-management

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

☒ No.

☐ Yes.

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.

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.

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

Number of SSOs identified ***during this reporting period***: 1

Number of SSOs removed ***during this reporting period***: 1

Describe any additional details regarding SSO requirements, in the box below:

The SSO event occurred *within* the MS4 area; it **did not**, however, *enter* the MS4 system. The overflow was temporary in nature, caused by equipment failure within a lift station facility, and sewage was contained to a grass area. The overflow was reported to relevant agencies at the time of occurrence. The condition which caused the event was rectified immediately upon arrival of Facilities Staff to the site.

MS4 System Mapping

☒ MS4 System Map was updated **during this reporting period**:

Percent of Phase 1 elements incorporated into MS4 System Map: 100%

Percent of Phase 2 elements incorporated into MS4 System Map: 80%

☐ MS4 System Map was updated in Year(s) and there were no updates in Year 7.

☒ University of New Hampshire's MS4 System Map is continually updated to incorporate findings and changes from catchment investigations.

Describe any additional details regarding Phase 1 and Phase 2 MS4 System Mapping requirements, in the box below:

Not applicable.

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.

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 7)***: 52%

The inventory and ranking of outfalls/interconnections was updated in Year 7 and the IDDE Program Plan was revised as a result. The revised inventory and ranking of outfalls/interconnections can be found in submission**.**

Describe any additional details regarding dry weather screening requirements, in the box below:

Outfalls that have been newly installed or identified during Year 7 have yet to be screened during dry weather. University of New Hampshire is actively screening these outfalls during Summer 2025 and intends to complete the process by the Year 8 Annual Report.

Wet Weather Screening

☐ No outfalls/interconnections were inspected for wet weather screening ***during this report period***.

☒ Wet weather outfall/interconnection screening data collected **during this reporting period** can be found in submission.

Number of outfalls screened ***during this reporting period***: 26

Percent of total known Problem Outfalls and outfalls/interconnections that identify sewer input screened ***to date (Year 1 – Year 7)***: 100%

Percent of total known outfalls/interconnections screened ***to date (Year 1 – Year 7)***: 21%

Describe any additional details regarding wet weather screening requirements, in the box below:

University of New Hampshire has begun wet weather screening High Priority outfalls in anticipation of meeting the Year 10 requirements.

Catchment Investigations

☐ No catchment investigations were inspected for wet weather screening ***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 ***during this report period***, and data can be found in submission.

Number of catchment investigations ***during this reporting period***: 26

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.

Percent of total Problem Catchment and outfalls/interconnections that identify sewer input investigated ***to date (Year 1 – Year 7)***: 100%

Percent of total catchments investigated ***to date (Year 1 – Year 7)***: 20%.

Describe any additional details regarding catchment investigations requirements, in the box below:

UNH will continue to complete catchment investigations in accordance with the timeline identified in the IDDE Plan.

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.

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, 2025)***: 2

Total number of illicit discharges removed ***since the effective date of the permit (July 1, 2018 – June 30, 2025)***: 2

Describe any additional details regarding illicit discharge requirements, in the box below:

Not applicable.

Employee Training

☒ Provided training to employees involved in IDDE program ***during this reporting period***:

UNH Facilities 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 F of the IDDE Program Plan.

In addition, UNH routinely provides 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.

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

Not applicable

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***: 8

Number of inspections completed ***during this reporting period***: 92

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

University of New Hampshire 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

As-built Drawings

Number of as-built drawings received ***during this reporting period***: 2

Local Regulations Assessment 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: The anticipated date of completion for updates is:

☒ 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**.

Street Design, Parking Lots, and Creation of Impervious Cover

☒ No updates were made or planned to be made to **Local Regulations and Guidelines** that affect the creation of imperious cover ***during this reporting period***.

☐ Updates were recommended **and/or** planned to be made to **Local Regulations and Guidelines** that affect the creation of imperious cover ***during this reporting period***. Following are the recommended updates: The anticipated date of completion for updates is:

☒ No updates were made ***during this reporting period*** because all required **Local Regulation and Guideline** updates have been made to make low impact designs allowable as outlined in the Local Regulations Assessment Report.

Green Infrastructure

☒ No updates were made or planned to be made to Local Regulations regarding green infrastructure practices ***during this reporting period***.

☐ Updates were recommended **and/or** planned to be made to **Local Regulations** regarding green infrastructure practices ***during this reporting period***. Following are the recommended **and/or** planned updates: The anticipated date of completion for updates is:

☒ 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

☒ University of New Hampshire 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:

Retrofit Priority	Location	Retrofit Priority	Location
1	Gables Lot	22	Edgwood Visitor Lot
2	Lot S	23	Lot T
3	Mast Rd Lot	24	O'Kane Satellite Loop
4	Moiles Lot	25	Horse Stables Lot
5	Lot M	26	Barton/Cole Lot
6	6 Leavitt Lane	27	Forestry Building Driveway
7	Mill Rd Lot	28	Old Dairy Barn Driveway
8	Contractor Lot	29	Horticulture Farm
9	Strafford Lot	30	Grounds and Events Lot
10	Fairchild Dairy	31	Lot P
11	9 Leavitt Lane	32	Waterworks Lot
12	PBS Back Lot	33	Scott/Smith Lot
13	Lot F	34	Nesmith Lot
14	Woodsides Access Loop	35	Field House North Lot
15	Forestry Building Lot	36	Ritzman Lot
16	Farm Machinery	37	Putnam Lot
17	Grounds and Events Yard	38	Whittemore Ctr Service Rd
18	Thompson Sawmill	39	Chase O.E. Service Rd
19	Hamel Rec Lot	40	Leewood Orchards
20	Mathes Lot	41	Printing Services
21	Fire Station Courtyard		

List of Non-MS4 Properties: **Not applicable**

☒ University of New Hampshire has modified or retrofitted the following 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:

- **Philbrook Chiller Plant – TES Expansion:** Installed swirl chamber type in-line device.

List of Non-MS4 Properties: Not applicable.

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

Not applicable

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***: 153

Number of catch basins cleaned ***during this reporting period***: 0

Total volume **or** mass of material removed from **all** catch basins ***during this reporting period***: 0 Ton

Total number of catch basins within the MS4 system: 728

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***: 28

Volume of swept material ***during this reporting period***: 40 Yards

Mass of swept material ***during this reporting period***: N/A

Stormwater Pollution Prevention Plan (SWPPP)

University of New Hampshire 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***: 36

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 7.
- ☒ 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:

Catch basins inspected were found to not need cleaning. Current schedule to ensure no catch basin is more than 50% full is satisfied, anticipate cleaning to resume next year. In addition to above lane miles of roadway reported above, an additional 2,460,949 sq ft of UNH parking area was swept.

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 ***during this reporting period*** which can be found in submission.

University of New Hampshire is planning to incorporate some/all of the Voluntary Municipal Green SnowPro Certification Program resources and trainings as outlined in UNH's Salt Reduction Plan to reduce their winter salt application and to prevent increased concentrations of chlorides in their community's surface and ground waters.

☒ Reported amount of salt applied to all municipally-owned and maintained surfaces by completing the NHDES 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:

Updates are being made to UNH's Salt Reduction Plan. A new version is expected to be completed by the end of 2025.

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

- ☐ 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.
- ☒ The Nitrogen Source Identification Report was ***updated during this reporting period*** and can be found in submission**.** 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.

Structural BMPs

☐ University of New Hampshire 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.***

☒ University of New Hampshire 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, ***during this reporting period.*** 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.

☒ University of New Hampshire 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 ***during the Year 6 reporting period.*** The structural BMP(s) were installed between the years of 2009-2024. UNH has installed the following types of structural BMP's on the Durham Campus: **Permeable Pavement, Infiltration Basins & Trenches, Sediment Filter Chambers, Bioretention, Retention, Sub-Surface Gravel Wetlands, and Water Quality Swales.** 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 University of New Hampshire 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 2025 Nutrient Reduction Report** in submission. The total estimated nitrogen removed from the installed BMP(s) is **279.98 lbs/year.**

UNH 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 UNH 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 UNH 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***. 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 lbs/year.

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

Not applicable

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.
- ☐ The Phosphorus Source Identification Report was ***updated during this reporting period*** and can be found in submission. 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 ***during 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 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 ***during the Year 6 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 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.

☐ 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 2025 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 a**s** 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.

  ##MUNICIPALITY is utilizing **some/all** of the Voluntary Municipal Green SnowPro Certification Program resources and trainings as outlined in ##MUNICIPALITY's Salt Reduction Plan to reduce their winter salt application and to prevent increased concentrations of chlorides in their community's surface and ground waters.

  ##MUNICIPALITY is certified under the Voluntary Municipal Green SnowPro Certification Program with the goal to reduce their winter salt application and to prevent increased concentrations of chlorides in their community's surface and ground waters.

- ☐ Reported amount of salt applied to all municipally-owned and maintained surfaces by completing the NHDES 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.

Lake Phosphorus Control Plan Reporting Requirements

☐ The LPCP was submitted in a previous annual report.

☐ The LPCP can be found in submission **and/or** at the following website ##website link.

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

Not Applicable

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 a scaled back approach to Pbase recalculations with assistance from the UNH Stormwater Center. Due to limited funding and available mapping resources, ##MUNICIPALITY plans to update the Pbase calculations every 5 years or whenever meaningful and substantial updates are made to the critical impervious surface and land use/cover GIS layers that are used in Pbase characterization. Due to this new approach, **phosphorus load increases due to development incurred since baseline loading** were not calculated **during this reporting period**. The New Hampshire Stormwater Coalition and the UNH Stormwater Center are in the process of calculating the **phosphorus load increases due to development incurred since baseline loading** and will be available in the future.

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

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 a**s** 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 a**s** 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.

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:

Description of Any Changes in Identified BMPs or Measurable Goals

University of New Hampshire 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

University of New Hampshire will continue to implement activities in accordance with the permit and SWMP.