

Year 5 Annual Report

New Hampshire Small MS4 General Permit


Reporting Period: July 1, 2022 - June 30, 2023

Town of Kingston

EPA NPDES Permit Number NHR041014

Certification of Small MS4 Year 5 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: Phillip Coombs	
Title: Director of Public Works	
Signature: 	Date: 29 Sep 23

Authorized Representative:

The authorization letter is:

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

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☒ Publicly available at the website:

www.kingstonnh.org
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Primary MS4 Program Manager Contact Information:

Name: Lisa Perreault		Title/Position: Administrative Assistant	
Department: Highway Department			
Street Address: 12 Main Street			
City: Kingston		State: New Hampshire	Zip Code: 03848
Email: highwayadmin@kingstonnh.org		Phone Number: (603) 642-8042	

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, 2022, through June 30, 2023**, 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

Compliance activities have been identified and described in the Town of Kingston's Stormwater Management Program Plan (SWMP) and Illicit Discharge Detection and Elimination (IDDE) Plan. Those documents and other pertinent Year 5 information can be found in submission or at the following websites, and will be referred to throughout this report:

SWMP: https://www.kingstonnh.org/kingston-stormwater-management-ms-4
Date SWMP was Last Updated: June 2021
IDDE Program Plan: https://www.kingstonnh.org/kingston-stormwater-management-ms-4
Updated System Map: Phase 1 completed June 2020
Progress on Completion of System Map: Phase 2 mapping in progress
Updated SSO Inventory: Not Applicable
Updated Inventory and Ranking of Outfalls/Interconnections: See attached submission
Dry Weather Screening Data: Submitted in previous annual report
Wet Weather Screening Data: See attached submission
Catchment Investigation Data: Not Applicable
Illicit Discharge Removal Report: No Illicit Discharges identified in Permit Year 5
Results from additional stormwater or receiving water quality monitoring reports or studies: Not Applicable
Salt Reduction Plan: Not Applicable
Annual Salt Usage Report: Not Applicable
Updated Nitrogen Source Identification Report: See attached submission
Updated Phosphorus Source Identification Report: See attached submission
Street Sweeping Schedule: Not Applicable
Chloride Reduction Plan: Not Applicable
Annual Salt Usage Report: Not Applicable
Lake Phosphorus Control Plan: Pending
Lake Phosphorus Control Plan (Items 1-4): See attached submission

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 5 reporting period and can be found on the [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 checked="" 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 checked="" type="checkbox"/> Lake and Pond Phosphorus

Receiving Waters/Impaired Waters/TMDL

Have you made any changes to your lists of receiving waters, outfalls, or impairments since the NOI was submitted?

☐ Yes

Town of Kingston has made changes to the list of receiving waters, outfalls, or impairments since the NOI submission. The following impairments and/or TMDLs have been added or delisted:

Water Quality Impaired Waters: Not applicable

TMDL: Not applicable

☒ No

Town of Kingston has not made changes to the list of receiving waters, outfalls, or impairments since the NOI submission.

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

Not Applicable

Minimum Control Measures

MCM 1: Public Education

Total number of all MS4 related educational efforts completed *during this reporting period*: 4

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

☒ No

☐ Yes. Town of Kingston made changes due to _____.

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”. “Green Grass and Clean Water” materials were produced by UNH Cooperative Extension, NH Sea Grant, and NHDES outlining simple recommendations to keep lawns healthy while reducing water quality impacts - including proper fertilizer techniques and disposal of grass clippings.

Targeted Audience:

Residential, Business and Institutions

Responsible Department/Parties:

Kingston Highway Department

Measurable Goal(s):

Residents that are lawn care enthusiasts understand the potential water quality impacts from fertilizer and improper disposal of grass clippings and are aware of the proper lawn care management techniques for reducing those impacts. Measurement includes quantity of materials distributed.

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

Year 5 = estimated to be more than 748 of flyers

Goal was achieved.

Message Date: October 29, 2022; March 14, 2023; and April 29, 2023

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” municipally created 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.

Targeted Audience:

Residents - Pet Owners

Responsible Department/Parties:

Kingston Highway Department

Measurable Goal(s):

Dog owners and/or dog walkers are aware of the potential water quality impacts from pet waste, local pet waste ordinances, and how to dispose of pet waste properly. If pledges are signed, there will be an increase of dog owners committed to picking up pet waste.

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

Year 5 = estimated to be more than 748 of flyers

Goal was achieved.

Message Date: October 29, 2022; March 14, 2023; and April 29, 2023

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.

Targeted Audience:

Residential, Business and Institutions

Responsible Department/Parties:

Kingston Highway 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 5 = estimated to be more than 748 of flyers

Goal was achieved.

Message Date: October 29, 2022; March 14, 2023; and April 29, 2023

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 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 New Hampshire Department of Environmental Services (NHDES).

Targeted Audience:

Septic System Owners

Responsible Department/Parties:

Kingston Highway Department

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 5 = estimated to be more than 748 of flyers

Goal was achieved.

Message Date: October 29, 2022; March 14, 2023; and April 29, 2023

BMP: Industrial Outreach**Outreach Resources:**

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

Description:

- ☐ Town of Kingston does not have any industrial facilities located within the NH MS4 regulated area that are permitted under the NPDES Multi-Sector General Permit. This has been documented in Town of Kingston's NOI and SWMP that this audience is absent from the municipality. No education or outreach efforts were conducted **during this reporting period** for the industrial audience as a result.
- ☒ Provided an outreach letter and Industrial Facilities Fact Sheet to the permittees that fall under the Multi-Sector General Permit and whose facilities are located within the NH MS4 regulated area to educate them on both the new and updated requirements within the EPA 2021 Multi-Sector General Permit, and the 2017 NH MS4 General Permit.

Targeted Audience:

Industrial facilities regulated under the Multi-Sector General Permit located within the regulated NH MS4 area.

Responsible Department/Parties:

Kingston Highway Department

Measurable Goal(s):

Operators and managers of industrial facilities are made aware of the updates and changes made to the EPA 2021 Multi-Sector General Permit including the requirements to additional monitoring, updated benchmark thresholds and monitoring schedules, monitoring of impaired waters, and specific additional monitoring depending on the industry sector. In addition, noted the overlapping requirements with the NH MS4 General Permit.

Following are the number of outreach letters **and/or** fact sheets that were distributed to municipal or local organizations **during this reporting period:**

Year 5 = 1 letter

Goal was achieved.

Message Date: February 7, 2023

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 Town of Kingston SWMP.
- ☒ Kept records relating to the permit available 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 electronically at <https://www.kingstonnh.org/kingston-stormwater-management-ms-4>. Documents and records relating to the permit are retained and available for 5 years to the public at the Highway Department or <https://www.kingstonnh.org/kingston-stormwater-management-ms-4>.

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

☒ No

☐ Yes. Town of Kingston made the following changes: Not Applicable.

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.

The Town of Kingston has conducted the following public involvement or participation opportunities: Touch-A-Truck, Green Snopro Training, NRRRA Convention, State Park Clean Up Day, and Soak Up the Rain Presentation.

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**: Not Applicable

Number of SSOs removed **during this reporting period**: Not Applicable

MS4 System Mapping

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

Provide additional status information regarding your map:

Map of storm sewer system and associated outfalls is continually updated to reflect findings and changes.

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**: Not Applicable

Percent of total known outfalls/interconnections screened **to date (Year 1 – Year 5)**: Not Applicable

The inventory and ranking of outfalls/interconnections was updated in Year 5 and the IDDE Program Plan was revised as a result. The revised inventory and ranking of outfalls/interconnections can be found in submission.

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.
(December 7, 2022 and August 8, 2023)

Number of outfalls screened **during this reporting period:** 17

Percent of total known outfalls/interconnections screened **to date (Year 1 – Year 5):**
46% (65% of high priority outfalls)

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.

Number of catchment investigations **during this reporting period:** Not Applicable.

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 5):** Not Applicable

IDDE Progress

☒ No illicit discharges were found **during this reporting period.**

☐ Illicit discharges were found but not removed **during this reporting period.** Not Applicable

☐ 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:** Not Applicable

Number of illicit discharges removed **during this reporting period:** Not Applicable

Estimated gallons of flow removed **during this reporting period:** Not Applicable

Total number of illicit discharges identified **since the effective date of the permit (July 1, 2018 – June 30, 2023):** Not Applicable

Total number of illicit discharges removed **since the effective date of the permit (July 1, 2018 – June 30, 2023):** Not Applicable

Employee Training

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

The Town of Kingston held an IDDE training session for municipal staff on **May 24, 2023**. In addition, the Town of Kingston 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. Training logs are included in Appendix F of the 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*: 9

Number of inspections completed *during this reporting period*: 0

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

The Town of Kingston 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:

At the time of the filing of this report some of the information above was not available. The Town of Kingston will identify the information and document internally.

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

Ordinance or Regulatory Mechanism

- ☒ Town of Kingston has a regulatory mechanism(s) consistent with permit requirements 2.3.6.a.ii.
Date regulatory mechanism was adopted: Prior to July 1st 2021 – A Post-Construction Ordinance was adopted in 2009 and is still in effect.
- ☐ Town of Kingston has not drafted or adopted a Post-Construction Ordinance.

As-built Drawings

Number of as-built drawings received **during this reporting period**: 0

Street Design and Parking Lots Report

- ☒ **During Year 4**, the Town of Kingston developed a report assessing current street design and parking lot regulations to determine the feasibility of making low impact design options allowable when appropriate site conditions exist and made it available as part of the SWMP.
- ☐ ***during this reporting period***, Town of Kingston developed a report assessing street design and parking lot regulations to determine the feasibility of making low impact design options allowable when appropriate site conditions exist and made it available as part of the SWMP and
- ☐ No updates were recommended to the Assessment Report ***during this reporting period***.
- ☐ Updates were recommended to the Assessment Report ***during this reporting period***. Following are the recommended updates: Not applicable. The anticipated date or date of completion for updates is Not Applicable.
- ☐ No changes 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: Not Applicable. The anticipated date or date of completion for updates is Not Applicable.
- ☒ No updates were made ***during this reporting period*** because all required local regulation changes have been made to make low impact designs allowable as outlined in the Local Regulations Assessment Report.

Green Infrastructure Reports

- ☒ **During Year 4**, the Town of Kingston developed a report assessing local regulations to determine the feasibility of making green infrastructure practices allowable when appropriate site conditions exist and made it available as part of the SWMP.
- ☐ **During this reporting period**, the Town of Kingston developed a report assessing local regulations to determine the feasibility of making green infrastructure practices allowable when appropriate site conditions exist, made it available as part of the SWMP and
- ☐ No progress was made **during this reporting period** towards making green infrastructure practices allowable as outlined in the Local Regulations Assessment Report.
- ☐ Progress was made **during this reporting period** as outlined in the Local Regulations Assessment Report. The Town of Kingston has made progress on Green Roofs, Infiltration Practices, and/or Water Harvesting. Progress includes updating the ordinance, regulation, code.
- ☐ Updates were made to the Local Regulations Assessment Report **during this reporting period** to reflect revision.
- ☒ No updates were made **during this reporting period** because all required local regulation changes have been made to make green infrastructure practices allowable as outlined in the Local Regulations Assessment Report.

Retrofit Properties Inventory

- ☒ Identified permittee-owned properties that could potentially be modified or retrofitted with BMPs to reduce impervious cover in **Year 4**. The following was completed **during the reporting period**:
- ☐ Identified permittee-owned properties that could potentially be modified or retrofitted with BMPs to reduce impervious cover **during this reporting period** because the Town of Kingston did not complete this requirement during Year 4. The following was also completed **during the reporting period**:
- ☒ The Town of Kingston has identified the remaining permittee-owned properties that could be modified or retrofitted with BMPs to mitigate impervious areas and of which are not included in the list below:

List of MS4 Properties:

Treatment Priority	IC (ac)	Street Address	Town Owned Property
1	1.76	12+16 Main St	Highway and Police Departments
2	0.77	2 Library Ln	Library
3	0.72	163 Main St	Town Hall
4	0.51	7 Exeter Rd	Magnusson Fields

Treatment Priority	IC (ac)	Street Address	Town Owned Property
5	0.36	148 Main St	Fire Station
6	0.24	24 Main St	Recreation Center
7	0.22	Off Mill Road and 120 Route 125	Empty Lot
8	0.13	169 Main St	Nicholas Building
9	0.12	10 Beach Dr	Empty Lot
10	0.11	3 Shendoar Dr	Empty Lot
11	0.11	15 A South Rd	Empty Lot
12	0.1	3 Hunt Rd	South Station (Fire Dept.)
13	0.08	165 Main St	Grace Daley Barn
14	0.07	Main St	Plains opposite the Fire Station
15	0.07	Main St	Plains opposite the Town Hall

List of Non-MS4 Properties: Not Applicable

- ☐ The Town of Kingston 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 as part of the permit in Year 4 or Year 5. Following is a list of the properties that were modified or retrofitted **during this reporting period:**

List of MS4 Properties: Not Applicable

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:
 - No actions were taken because no catch basin sumps were more than 50% full during two consecutive routine inspections/cleaning events.

Number of catch basins inspected **during this reporting period:** 246

Number of catch basins cleaned **during this reporting period:** 28

Total volume **or** mass of material removed from **all** catch basins **during this reporting period:** 8 cubic yards

Total number of catch basins within the MS4 system: 66

Street Sweeping

- ☒ The Town of Kingston does not have curbed roadways; therefore, street sweeping is not applicable.
- ☐ 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:** Not Applicable
 - Volume of swept material **during this reporting period:** Not Applicable
 - Mass of swept material **during this reporting period:** Not Applicable

Stormwater Pollution Prevention Plan (SWPPP)

- ☒ Implemented SWPPPs for all permittee owned or operated maintenance garages, public works yards, transfer stations, and other waste handling facilities, that are not currently covered under another NPDES Permit.
 - Number of site inspections completed for **during this reporting period:** 4
 - Number of corrective actions taken **during this reporting period:** 1

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

Leaf debris was removed from the catch basin behind the salt shed, no operational issues or repairs were needed.

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 5.
 - ☒ 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 *during this reporting period* and can be found in submission.

The Municipal Green SnowPro Certification Program bill was passed during the 2021 legislation session. NHDES developed rules and regulations *during this reporting period*. Final approval of the rules and regulations is anticipated in 2023/2024.
 - ☐ Reported amount of salt applied to all municipally-owned and maintained surfaces by completing the New Hampshire DES Annual Salt Usage reporting form and submitting it to NHDES, and can be found in submission. The UNH Technology Transfer Center online tool is non-functional and has been for several years.

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

Not Applicable.

Nitrogen Impairment (Appendix H)

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

Nitrogen Source Identification Report- Update

Structural BMPs

- ☒ The Nitrogen Source Identification Report can be found in submission.

The updates to the Nitrogen Source Identification Report can be found in *Section 2: Potential Structural BMPs Report (Year 5)* and include the following:

 - 1.) Completed the evaluation of all permittee-owned properties identified as presenting retrofit opportunity or areas for structural BMP installation under permit part 2.3.6.d as identified in the Nitrogen Source Identification Report update that are within the drainage area of the impaired water or its tributaries. The report includes the next planned infrastructure, resurfacing, or redevelopment activity planned for the property (if applicable) or planned project; Estimated cost of redevelopment or retrofit BMPs, and; Engineering and regulatory feasibility of redevelopment or retrofit BMPs.
 - 2.) Completed a listing of planned structural BMPs and a plan and schedule for implementation.
 - 3.) Method of tracking and accounting for nitrogen, and metrics associated with individual BMPs.

- ☐ Structural BMPs listed in Attachment 3 to Appendix F already existing or installed in the regulated area by the Town of Kingston or its agents was tracked and the nitrogen removal by the BMP was estimated consistent with Attachment 3 to Appendix F. The BMP type, total area treated by the BMP, the design storage volume of the BMP, and the estimated nitrogen removed in mass per year by the BMP were documented in *Section 2: Potential Structural BMPs Report (Year 5)* of the Nitrogen Source Identification Report. The total estimated nitrogen removed from the installed BMP(s) is Not Applicable.
- ☒ No BMPs were installed **during this reporting period**. The implementation schedule is outlined in *Section 2: Potential Structural BMPs Report (Year 5)* 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:

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 updated during this reporting period and can be found in submission. The updates to the Phosphorus Source Identification Report can be found in *Section 2: Potential Structural BMPs Report (Year 5)* and include the following:
- 1.) Completed the evaluation of all permittee-owned properties identified as presenting retrofit opportunity or areas for structural BMP installation under permit part 2.3.6.d as identified in the Phosphorus Source Identification Report update that are within the drainage area of the impaired water or its tributaries. The report includes the next planned infrastructure, resurfacing, or redevelopment activity planned for the property (if applicable) or planned project; Estimated cost of redevelopment or retrofit BMPs, and; Engineering and regulatory feasibility of redevelopment or retrofit BMPs.
 - 2.) Completed a listing of planned structural BMPs and a plan and schedule for implementation.
 - 3.) Method of tracking and accounting for phosphorus, and metrics associated with individual BMPs.
- ☐ Structural BMPs listed in Attachment 3 to Appendix F already existing or installed in the regulated area by the Town of Kingston or its agents was tracked and the phosphorus removal by the BMP was estimated consistent with Attachment 3 to Appendix F. The BMP type, total area treated by the BMP, the design storage volume of the BMP, and the estimated phosphorus removed in mass per year by the BMP were documented in *Section 2: Potential Structural BMPs Report (Year 5)* of the Phosphorus Source Identification Report. 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)* 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**. The Town of Kingston's street sweeping schedule can be found in submission.

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

The Municipal Green SnowPro Certification Program bill was passed during the 2021 legislation session. NHDES developed rules and regulations **during this reporting period**. Final approval of the rules and regulations is anticipated in 2023/2024.

- ☐ 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. 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.

- ☐ The Town of Kingston completed a written Lake Phosphorus Control Plan **during the reporting period**. The completed plan includes items 1-8 in Appendix F, Table F-3 and can be found in submission. The plan is available to the public at the facility.

- ☒ **During Years 1-4**, the Town of Kingston completed the following items 1-4 of the Lake Phosphorus Control Plan and as outlined in Appendix F, Table F-3: 1.) Legal analysis, 2.) Funding source assessment, 3.) Define LPCP scope (LPCP area), and, 4.) Calculated baseline

phosphorus, allowable phosphorus load and phosphorus reduction requirement. The documents can be found in this submission.

The Town of Kingston is utilizing the resources developed by the New Hampshire Stormwater Coalition. Resources have been developed but the written Lake Phosphorus Control Plan template was not available **during this reporting period**. The New Hampshire Stormwater Coalition is in the process of finalizing the written Lake Phosphorus Control Plan template during the summer of 2023 and offered a workshop on August 21, 2023, for permittees to obtain information on how to fill out the template and associated spreadsheets. **The Town of Kingston representatives participated in the Workshop**. The Town of Kingston will complete a written Lake Phosphorus Control Plan during Year 6 and provide an update on the progress in the Year 6 Annual Report. The Town of Kingston's plan will be available to the public once it is completed.

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

The Town of Kingston is preparing the LCPC in Permit Year 6. Three lakes require plans. Applicable information from the 2021 Country Pond Watershed Management Plan will be referenced and utilized in the LCPC to the extent practical. The focus of the LCPC is identify BMPs to minimize phosphorus impacts.

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:

Not Applicable

Description of Any Changes in Identified BMPs or Measurable Goals

The Town of Kingston 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

The Town of Kingston will continue to implement activities in accordance with the permit and SWMP.