

The following permittees are considered **EXISTING PERMITTEES** and should use this template **OR** the [EPA Year 5 Annual Report Template for Existing Permittees](#) found on the NH MS4 website:

- *Amherst*
- *Atkinson*
- *Auburn*
- *Bedford*
- *Danville*
- *Derry*
- *Dover*
- *Durham*
- *Exeter*
- *Goffstown*
- *Greenland*
- *Hampstead*
- *Hampton*
- *Hollis*
- *Hooksett*
- *Hudson*
- *Kingston*
- *Litchfield*
- *Londonderry*
- *Manchester*
- *Merrimack*
- *Milford*
- *Milton*
- *Nashua*
- *New Castle*
- *Newton*
- *NHDOT*
- *North Hampton*
- *Pelham*
- *Plaistow*
- *Portsmouth*
- *Rochester*
- *Rollinsford*
- *Rye*
- *Salem*
- *Sandown*
- *Seabrook*
- *Somersworth*
- *Strafford County*
- *UNH*
- *Windham*

# Year 5 Annual Report

## New Hampshire Small MS4 General Permit

### **EXISTING PERMITTEES**

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

**City of Somersworth**

EPA NPDES Permit Number NHR041000

### Document Instructions

All **red** text within this template are informational only and contain instructions or important notes to help permittees better understand what is needed for each requirement. All instructions and important notes can be removed from the template before submission to EPA. The text boxes located around the instructions and important notes should be removed as well.

Permittees **should not** delete any sections from the template even if the section is not applicable to their community or non-traditional. Use the supplied check boxes within each section to indicate that the section is not applicable rather than deleting the section.

All wording highlighted in **yellow** indicates areas where the permittee needs to fill in information specific to their community or non-traditional.

## Certification of Small MS4 Year 5 Annual Report

**Instructions:** All reports, including SWPPPs, inspection reports, annual reports, monitoring reports, reports on training, Nitrogen and Phosphorus Source Identification Reports for Year 5, and other information required by this permit must be signed by a person described in Appendix B, Subsection 11.A or by a duly authorized representative of that person in accordance with Appendix B, Subsection 11.B. If there is an authorized representative to sign MS4 reports, there must be a signed and dated written authorization. Use the following language if your municipality wishes to file using an authorized representative.

“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: Robert M. Belmore

Title: City Manager

Signature:



Date:

09-19-2023

**Instructions:** If a Duly Authorized Representative is signing as described in Appendix B, then use the above language and note where the authorization letter is located by checking one of the boxes below.

**Authorized Representative:**

The authorization letter is:

Attached to this document (document name listed below):

Publicly available at the website:

**Primary MS4 Program Manager Contact Information:**

Name: Robert M. Belmore	Title/Position: City Manager	
Department: City Manager's Office		
Street Address: One Government Way		
City: Somersworth	State: New Hampshire	Zip Code: 03878
Email: <a href="mailto:bbelmore@somersworthnh.gov">bbelmore@somersworthnh.gov</a>	Phone Number: 603-692-9503	

# 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 City of Somersworth'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:

***Instructions: Attachments required for all permittees.***

SWMP: Located in City Hall, City Engineer's Office
Date SWMP was Last Updated: 7/31/2023
IDDE Program Plan: See Attached. Located in City Hall, City Engineer's Office
Updated System Map <a href="https://axisgis.com">Somersworth, NH (axisgis.com)</a> , Utility maps located in City Hall, City Engineer's Office
Progress on Completion of System Map <a href="https://axisgis.com">Somersworth, NH (axisgis.com)</a> , Utility maps located in City Hall, City Engineer's Office
Updated SSO Inventory: See Attached. Located in City Hall, City Engineer's Office
Updated Inventory and Ranking of Outfalls/Interconnections: See Attached. Located in City Hall, City Engineer's Office
Dry Weather Screening Data: See Attached. Located in City Hall, City Engineer's Office
Wet Weather Screening Data: Not applicable, none completed to date.
Catchment Investigation Data: Not applicable, none completed to date.
Illicit Discharge Removal Report: See Attached. Located in City Hall, City Engineer's Office
Results from additional stormwater or receiving water quality monitoring reports or studies: See attached.

***Instructions: Attachments required as applicable and as determined in Appendix H.***

*If your community or non-traditional does not have an impairment listed below, write "Not applicable".*

*The following lists of permittees with impaired waterbodies are based on the New Hampshire 2020/2022 EPA approved 303(d) list and the 305(b) report, but may not be the most up-to-date list of permittees with impaired waterbodies as identified by NHDES. Although this list is based on the New Hampshire 2020/2022 EPA approved*

303(d) list and the 305(b) report, it was generated for informational purposes only, and permittees should review the lists to determine if the impaired waterbodies are within their NH MS4 regulated area. The lists of permittees with impaired waterbodies were not produced with or approved by EPA. The MS4 permit was issued by and is administered by EPA, and they alone have jurisdiction over permit requirements. This list was generated through a GIS analysis by spatially intersecting NH MS4 regulated areas with impaired waterbodies. Although NHDES has confidence in the results, the analysis has the potential to miss waterbodies due to inherent spatial complexities.

**Existing Permittees with chloride impairments include:**

- Bedford*
- Derry*
- Dover*
- Durham*
- Exeter*
- Goffstown*
- Greenland*
- Hooksett*
- Londonerry*
- Manchester*
- Nashua*
- Portsmouth*
- Rye*
- Salem*
- Seabrook*
- Windham*

Salt Reduction Plan: Not applicable

Annual Salt Usage Report: Not applicable

**Important Note:** There have been no changes to the list of permittees who have total nitrogen impairments or who drain to total nitrogen impaired waters supplied by EPA in the NH MS4 permit. Permittees should continue to use the original list of nitrogen impaired waterbodies found on pages 21 and 22 of the NH MS4 permit.

**Existing Permittees with nitrogen impairments include:**

- Danville*
- Dover*
- Durham*
- Exeter*
- Greenland*
- Hampstead*
- Hampton*
- Kingston*
- Milton*
- New Castle*
- North Hampton*
- Portsmouth*
- Rochester*
- Rollinsford*
- Rye*
- Sandown*
- Somersworth*

Updated Nitrogen Source Identification Report: See attached.

**Please note that there have been no changes to the list of permittees who have total phosphorus impairments or who drain to total phosphorus impaired waters supplied by EPA in the NH MS4 permit. NHDES has not provided an update to this part of the analysis because the listing methodology employed by NHDES does not include TP-related impairments. Unless directed differently by EPA, permittees should continue to refer to the original list of phosphorus impaired waterbodies provided in the NH MS4 permit on pages 22 through 23.**

**Existing Permittees with phosphorus impairments include:**

- Atkinson*
- Derry*
- Dover*
- Goffstown*
- Hampstead*
- Kingston*
- Litchfield*
- Manchester*
- Newton*
- Pelham*
- Rollinsford*
- Salem*
- Sandown*
- Somersworth*
- Windham*

Updated Phosphorus Source Identification Report: See attached.

*Existing Permittees with solids, oil and grease (hydrocarbons), or metals impairments:*

<input type="radio"/> <i>Bedford</i>	<input type="radio"/> <i>Hampton</i>	<input type="radio"/> <i>Rochester</i>
<input type="radio"/> <i>Derry</i>	<input type="radio"/> <i>Londonderry</i>	<input type="radio"/> <i>Salem</i>
<input type="radio"/> <i>Dover</i>	<input type="radio"/> <i>Manchester</i>	<input type="radio"/> <i>Seabrook</i>
<input type="radio"/> <i>Exeter</i>	<input type="radio"/> <i>Merrimack</i>	<input type="radio"/> <i>Windham</i>
<input type="radio"/> <i>Goffstown</i>	<input type="radio"/> <i>Nashua</i>	
<input type="radio"/> <i>Greenland</i>	<input type="radio"/> <i>Portsmouth</i>	

Street Sweeping Schedule: Not applicable.

*Instructions: Attachments required as applicable and as determined in Appendix F.*

*If your community or non-traditional does not have a TMDL listed below, write "Not applicable".*

*Existing Permittees with chloride TMDLs include:*

- Derry*
- Londonderry*
- Salem*
- Windham*

Chloride Reduction Plan: Not applicable

Annual Salt Usage Report Not applicable

*Existing Permittees with lake and pond phosphorus TMDLs:*

<input type="radio"/> <i>Amherst</i>	<input type="radio"/> <i>Hudson</i>	<input type="radio"/> <i>Newton</i>
<input type="radio"/> <i>Bedford</i>	<input type="radio"/> <i>Kingston</i>	<input type="radio"/> <i>Sandown</i>
<input type="radio"/> <i>Derry</i>	<input type="radio"/> <i>Manchester</i>	
<input type="radio"/> <i>Hollis</i>	<input type="radio"/> <i>Merrimack</i>	

Lake Phosphorus Control Plan (*for additional information, see the Lake Phosphorus Control Plan section on page 37 of this template*): Not applicable

Lake Phosphorus Control Plan (Items 1-4) (*for additional information, see the Lake Phosphorus Control Plan section on page 37 of this template*): Not applicable

**Instructions:** Check off all requirements that have been completed, either **PARTIALLY** or **FULLY**. By checking each of the boxes, you are certifying that you have completed (partially or fully) that permit requirement.

**Important Note:** If you have not fully completed a requirement, provide narrative explaining why the requirement was not completed, progress made during reporting period, anticipated date of completion, and any other pertinent information relative to the requirement. This narrative should be included in the text boxes noted after each reporting section. The text boxes also provide the permittee an opportunity to include any additional details on the requirements.

Throughout this template, and as required by the permit, there are sections that require the permittee to supply documents either by attaching them to their annual report email submission or supplying the direct website link where they can be found. The New Hampshire Stormwater Coalitions are recommending that permittees do both by attaching the documents to their annual report email submission AND supplying the direct website link. This ensures that EPA receives all required documents.

## 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.

**Instructions:** Check all that apply.

### 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 type="checkbox"/> Bacteria and Pathogens	<input type="checkbox"/> Chloride	<input type="checkbox"/> Lake and Pond Phosphorus
---	-----------------------------------	---

# Receiving Waters/Impaired Waters/TMDL

**Instructions:** For reference, use the 2020/2022 303(d) Water Quality Impairments spreadsheet found on the permittee's [Permittee-Specific Resources](#) webpage on the NH MS4 website.

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

*The municipality should choose one of the following statements:*

Yes

City of Somersworth's 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:

TMDL:

*Or*

No

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

**Instructions:** If any of the requirements above were incomplete or if you would like to provide any additional relevant details about any of the requirements, use the space below.

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

**Instructions:** Please fill out all the metrics below. If applicable, include in the description who completed the task if completed by a third party.

The following describes **SSC or NHLMV Education & Outreach decisions made collectively and available on the MCM #1 webpage** on the NH MS4 website. This language should also be included in your SWMP.

## MCM 1: Public Education

Total number of all MS4 related educational efforts completed **during this reporting period:** 16

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

No

Yes. City of Somersworth made changes due to ##Reason changes were made.

### 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:

*The municipality should choose a minimum of one of the following statements:*

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.

*And/Or*

City of Somersworth Campaign (The Green Grass Clear Water flyers were made available at City Hall in the Development Services office. The flyer was modified to be distributed as part of the City Manager’s monthly newsletter.)

#### Targeted Audience:

Residential **and/or** Business and Institutions

#### Responsible Department/Parties:

Department of Public Works

#### Measurable Goal(s):

*The municipality should choose a minimum of one of the following statements:*

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 5 = 50 of flyers

Year 5 = 0 of mailers

Year 5 = 0 of postcards

*And/Or*

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

Year 5 = 0 of impressions

*And/Or*

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

Year 5 = 0 of views

*And/Or*

City of Somersworth Campaign Metrics: the City Manager's newsletter is sent electronically to approximately 2,500 residents; 61% of those who received the email opened and read the message, meaning approximately 1,500 residents read the message ***during this reporting period.***

**Goal was achieved.**

**Message Date:** July 2022

## **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:**

*The municipality should choose a minimum of one of the following statements:*

Distribution and promotion of "Every Drop" **and/or** municipally created flyers, mailers, postcards, brochures, **and/or** videos 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.

*And/Or*

City of Somersworth Campaign (The pet waste flyers were made available at City Hall in the Development Services office, and at the Public Works building. They were also placed in the City Clerk/Tax office as a reminder for citizens when registering their dogs. The flyer was modified to be distributed as part of the City Manager's monthly newsletter.)

**Targeted Audience:**

Residents - Pet Owners

**Responsible Department/Parties:**

Department of Public Works

**Measurable Goal(s):**

*The municipality should choose a minimum of one of the following statements:*

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 = 0

*And/Or*

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

Year 5 = 0 of flyers

Year 5 = 0 of mailers

Year 5 = 0 of postcards

Year 5 = 50 of brochures

*And/Or*

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

Year 5 = 0 of views

*And/Or*

City of Somersworth Campaign Metrics: the City Manager's newsletter is sent electronically to approximately 2,500 residents; 61% of those who received the email opened and read the

message, meaning approximately 1,500 residents read the message ***during this reporting period.***

**Goal was achieved.**

**Message Date:** Summer, Fall, Spring

## **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:**

*The municipality should choose a minimum of one of the following statements:*

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.

*And/Or*

City of Somersworth has implemented a composting effort/program allowing the public to drop off compostable materials at the Malley Farm, a municipally-owned property that accepts brush and leaves which are used for composting material and/or providing educational materials on the water quality benefits of composting, etc.

*And/Or*

City of Somersworth Campaign (The leaf and grass clipping disposal flyers were made available at City Hall in the Development Services office and at the Public Works building. The flyer was modified to be distributed as part of the City Manager's monthly newsletter.)

**Targeted Audience:**

Residential ***and/or*** Business and Institutions

**Responsible Department/Parties:**

Department of Public Works

**Measurable Goal(s):**

*The municipality should choose one of the following statement(s) as appropriate:*

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 = 0 of flyers

Year 5 = 0 of brochures

Year 5 = 0 of door hangers

*And/Or*

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

Year 5 = 0 of residents

*And/Or*

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

Year 5 = 0 of views

*And/Or*

City of Somersworth Composting Campaign Metrics (The City provides one (1) 50 gallon container for the public to use at the Public Works Facility to dispose of food waste for composting. The bin is serviced weekly based on demand) ***during this reporting period.***

*And/Or*

City of Somersworth Campaign Metrics: the City Manager's newsletter is sent electronically to approximately 2,500 residents; 61% of those who received the email opened and read the message, meaning approximately 1,500 residents read the message ***during this reporting period.***

**Goal was achieved.**

**Message Date:** 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:**

*The municipality should choose a minimum of one of the following statements:*

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 New Hampshire Department of Environmental Services (NHDES).

*And/Or*

City of Somersworth Campaign Metrics ((The septic system maintenance flyers were made available at City Hall in the Development Services office and at the Public Works building. The flyer was modified to be distributed as part of the City Manager's monthly newsletter.)

**Targeted Audience:**

Septic System Owners

**Responsible Department/Parties:**

Department of Public Works

**Measurable Goal(s):**

*The municipality should choose the following statement(s) as appropriate:*

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 = 50 of brochures

Year 5 = 0 of letters

*And/Or*

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

Year 5 = 0 of impressions

*And/Or*

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

Year 5 = 0 of views

*And/Or*

City of Somersworth Campaign Metrics: the City Manager's newsletter is sent electronically to approximately 2,500 residents; 61% of those who received the email opened and read the message, meaning approximately 1,500 residents read the message ***during this reporting period.***

**Goal was achieved.**

**Message Date:** Spring, Fall

## **BMP: Industrial Outreach**

**Outreach Resources:**

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

**Description:**

*The municipality should choose one of the following statements:*

City of Somersworth 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 City of Somersworth'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.

*Or*

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 (and outside of 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 and outside of the NH MS4 regulated area.

**Responsible Department/Parties:**

Department of Public Works

**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 = 14 of letters

Year 5 = 14 of fact sheets

**Goal was achieved.**

**Message Date:** February 2023

**Instructions:** If any of the requirements in MCM #1 were incomplete or if you would like to provide any additional relevant details about any of the requirements, use the space below.

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 City of Somersworth 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 City of Somersworth to enter information on how the SWMP was made available to the public. Documents and records relating to the permit are retained and available for 5 years to the public at City Hall in the City Engineer's Office.

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

No

Yes. City of Somersworth made the following changes: ##Changes made.

**Measurable Goal(s):**

Input was received and records are maintained. **Goal was achieved.**

*Reporting the following is optional:*

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

*The municipality should choose a minimum of one of the following statements:*

Public involvement or participation opportunities are ancillary to daily operations.

*And/Or*

City of Somersworth has conducted the following public involvement or participation opportunities at The Children's Festival, Pumpkin Festival, National Night Out, Household Hazardous Waste Collection Day.

**Instructions:** If any of the requirements in MCM #2 were incomplete or if you would like to provide any additional relevant details about any of the requirements, use the space below.

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)

**Instructions:** All MCM #3 resources can be found on the [MCM #3 webpage](#) on the NH MS4 website. The information for the requested requirements in the MCM #3 Section of this report can/should be found in your municipal IDDE Program Plan.

### Sanitary Sewer Overflows (SSOs)

**Instructions:** The information below can/should be found in your municipal IDDE Program Plan. For reference, the Seacoast Stormwater Coalition created the [IDDE Program Plan Template](#), and, the New Hampshire Lower Merrimack Valley created the [IDDE Program Plan Template](#) which can be found on the [MCM #3 webpage](#) on the NH MS4 website.

*The municipality should choose one of the following statements:*

This SSO section is NOT applicable because we DO NOT have sanitary sewer.

*Or*

This SSO section is NOT applicable because we DID NOT find any new SSOs.

*Or*

The SSO inventory has been updated, including the status of mitigation and corrective measures implemented or was addressed and can be found in submission.

*The municipality must report on the following metrics:*

*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 system map due in Year 2 as necessary:

Provide additional status information regarding your map:

*The municipality should choose one of the following statements:*

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

*Or*

~~Map of storm sewer system and associated outfalls was updated in Year(s) ##Year Number and there were no updates in Year 5.~~

*Or*

~~Map of storm sewer system and associated outfalls was updated in Year(s) ##Year 2 and/or Year 3 and there were updates in Year 5.~~

*Or*

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

## Screening of Outfalls/Interconnections

**Instructions:** Submit any outfall monitoring results (dry and/or wet weather) collected during this reporting period. Outfall monitoring results should include the date, outfall/interconnection identifier, location, weather conditions at time of sampling, precipitation in previous 48 hours, field screening parameter results, and results from all analyses.

The information below can/should be found in your municipal IDDE Program Plan. For reference, the Seacoast Stormwater Coalition created the [IDDE Program Plan Template](#), and, the New Hampshire Lower Merrimack Valley created the [IDDE Program Plan Template](#) which can be found on the [MCM #3 webpage](#) on the NH MS4 website.

### Dry Weather Screening

*The municipality should choose one of the following statements:*

No outfalls were inspected for dry weather screening **during this report period**.

*Or*

Outfalls were inspected for dry weather screening **during this report period** and data can be found in submission **and/or** at the following website ##website link.

*The municipality must report on the following metrics:*

*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 5)**:

100

**Instructions:** The [Inventory and Ranking Outfalls/Interconnections spreadsheet](#) must be updated based on monitoring results and be submitted with your annual report..

The information below can/should be found in Appendix C of your municipal IDDE Program Plan. For reference, the Seacoast Stormwater Coalition created the [IDDE Program Plan Template](#), and, the New Hampshire Lower Merrimack Valley created the [IDDE Program Plan Template](#) which can be found on the [MCM #3 webpage](#) on the NH MS4 website.

*The municipality should choose one of the following statements:*

The inventory and ranking of outfalls/interconnections was not updated during Year 5 because outfalls/interconnections were not inspected.

*Or*

~~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 and/or at the following website ##website link.~~

## Wet Weather Screening

**Instructions:** Wet weather testing was not required in Year 5 and is not due until Year 7 (for Problem Outfalls and outfalls/interconnections that identify sewer input) and Year 10 (for High and Low Priority ranked outfalls).

However, all wet weather data collected during this reporting period must be submitted with your annual report.

*The municipality should choose one of the following statements:*

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

*Or*

Wet weather outfall/interconnection screening data can be found in submission **and/or** at the following website ##website link.

*The municipality must report on the following metrics:*

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

**Percent** of total known outfalls/interconnections screened **to date (Year 1 – Year 5):**  
0

## Catchment Investigations

**Instructions:** All data collected during this reporting period for dry and/or wet weather investigations for Problem Outfalls and/or SVFs must be submitted with your annual report.

The information below can/should be found in your municipal IDDE Program Plan. For reference, the Seacoast Stormwater Coalition created the [IDDE Program Plan Template](#), and, the New Hampshire Lower Merrimack Valley created the [IDDE Program Plan Template](#) which can be found on the [MCM #3 webpage](#) on the NH MS4 website.

*The municipality should choose one of the following statements:*

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.

*Or*

Catchment investigations were conducted and data can be found in submission **and/or** at the following website ##website link.

*The municipality must report on the following metrics:*

**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 5)***: 0 *(divide the total catchments by total number of catchments investigated to date. Important Note: Reference the City of Somersworth Inventory and Ranking of Outfalls/Interconnections Spreadsheet.*

## IDDE Progress

**Instructions:** *If illicit discharges were found, please submit a document describing work conducted during this reporting period, and cumulative to date (Years 1 – 5), including location source; description of the discharge; method of discovery; date of discovery; and date of elimination, mitigation, or enforcement OR planned corrective measures and schedule of removal.*

*The municipality should choose one of the following statements:*

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

*Or*

Illicit discharges were found but not removed ***during this reporting period***. ##Schedule for illicit discharge removal or explanation.

*Or*

Illicit discharges were removed ***during this reporting period*** and the illicit discharges removal report can be found in submission.

*The municipality must report on the following metrics:*

Number of illicit discharges identified ***during this reporting period***: 1

Number of illicit discharges removed ***during this reporting period***: 1

Estimated gallons of flow removed ***during this reporting period***: 5 gallons/day

Total number of illicit discharges identified ***since the effective date of the permit (July 1, 2018 – June 30, 2023)***: 2

Total number of illicit discharges removed ***since the effective date of the permit (July 1, 2018 – June 30, 2023)***: 2

## Employee Training

**Instructions:** *The information below can/should be found in your municipal IDDE Program Plan. For reference, the Seacoast Stormwater Coalition created the [IDDE Program Plan Template](#), and, the New Hampshire Lower Merrimack Valley created the [IDDE Program Plan Template](#) which can be found on the [MCM #3 webpage](#) on the NH MS4 website.*

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

***The municipality should choose one of the following statements:***

City of Somersworth 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, City of Somersworth 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.

***Or***

~~City of Somersworth held an IDDE training session for municipal staff on ##Date. In addition, City of Somersworth 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.~~

***Instructions: If any of the requirements in MCM #3 were incomplete or if you would like to provide any additional relevant details about any of the requirements, use the space below.***

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:

*The municipality must report on the following metrics:*

Number of site plan reviews completed ***during this reporting period:*** 20

Number of inspections completed ***during this reporting period:*** 56

Number of enforcement actions taken ***during this reporting period:*** 1

*Reporting the following is optional:*

City of Somersworth works closely with contractors to address environmental concerns for the least environmental impact.

***Instructions: If any of the requirements in MCM #4 were incomplete or if you would like to provide any additional relevant details about construction site plan reviews, inspections, enforcement actions, or any of the requirements for MCM #4, use the space below.***

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

**Important Note:** The permittee shall develop or modify, as appropriate, an ordinance or other regulatory mechanism due in Year 3. Provide the status for this reporting period.

**Instructions:** For reference, you can use the [Post Construction Stormwater Management Standards for Site Plan Review Regulations](#) created by the Southeast Watershed Alliance (SWA), or, the [MCM #4 Proposed Modifications Template](#) created by the NH Stormwater Coalition. Both resources can be found on the [NH MS4 website](#).

The municipality should choose one of the following statements:

City of Somersworth has a regulatory mechanism(s) consistent with permit requirements  
2.3.6.a.ii.

Date regulatory mechanism was adopted: Prior to July 1<sup>st</sup> 2021. The regulatory document can be found at:

[https://www.somersworthnh.gov/sites/g/files/vyhlif1226/f/uploads/site\\_plan\\_regs\\_05-17-2023\\_revision.pdf](https://www.somersworthnh.gov/sites/g/files/vyhlif1226/f/uploads/site_plan_regs_05-17-2023_revision.pdf)

Or

City of Somersworth has not drafted or adopted a Post-Construction Ordinance. ##Update of ordinance progress.

## As-built Drawings

Number of as-built drawings received **during this reporting period:** 4

## Street Design and Parking Lots Report

**Instructions:** For reference, use the [Local Regulations Assessment Report](#) located on the [MCM #5 webpage](#) on the NH MS4 website. The Assessment Report was due in Year 4 and starting in Year 5, the permittee shall report in each annual report on the status of the assessment report including any planned or completed changes to local regulations and guidelines.

**Important Note:** The permittee was required to develop a Local Regulation Assessment Report in Year 4. This is an opportunity for permittees to confirm that this requirement was completed.

The municipality should choose one of the following statements: There are two choices dependant on if you completed the initial requirements in Year 4, or, completed the requirement during this reporting period (Year 5).

**During Year 4**, City of Somersworth 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.

*Or*

**During this reporting period**, City of Somersworth 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

*The following are Year 5 requirements. The municipality should choose one of the following statements:*

No updates were recommended to the Assessment Report **during this reporting period**.

*Or*

Updates were recommended to the Assessment Report **during this reporting period**. Following are the recommended updates: City of Somersworth to note recommended or planned changes here. The anticipated date or date of completion for updates is ##date outlined in the report.

*Or*

No changes were made or planned to be made to local regulations and/or guidelines **during this reporting period**.

*Or*

Updates were recommended and/or planned to be made to local regulations and/or guidelines **during this reporting period**. Following are the recommended updates: City of Somersworth to note recommended or planned changes here. The anticipated date or date of completion for updates is ##date outlined in the report.

*Or*

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

*Instructions: For reference, use the [Local Regulations Assessment Report](#) located on the [MCM #5 webpage](#) on the NH MS4 website. The Assessment Report was due in Year 4 and starting in Year 5 the permittee shall report in each annual report any findings and progress made towards making green infrastructure practices allowable based on the Local Regulations Assessment Report.*

*Important Note: The permittee was required to develop a Local Regulations Assessment Report in Year 4. This is an opportunity for permittees to confirm that this requirement was completed.*

*The municipality should choose one of the following statements: There are two choices dependant on if you completed the initial requirements in Year 4, or, completed the requirement during this reporting period (Year 5).*

**During Year 4**, City of Somersworth 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.

*Or*

**During this reporting period**, City of Somersworth 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

*The following are Year 5 requirements. The municipality should choose one of the following statements:*

No progress was made **during this reporting period** towards making green infrastructure practices allowable as outlined in the Local Regulations Assessment Report.

*Or*

Progress was made **during this reporting period** as outlined in the Local Regulations Assessment Report. City of Somersworth has made progress on Green Roofs, Infiltration Practices, **and/or** Water Harvesting. Progress includes updating the ordinance, regulation, code.

*Or*

Updates were made to the Local Regulations Assessment Report **during this reporting period** to reflect ##revision.

*Or*

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

**Instructions:** For reference, use the Priority Ranked Parcel Summary Report found on the permittee's [Permittee-Specific Resources](#) page on the NH MS4 website.

**Important Note:** The EPA Year 5 Annual Report has required a minimum of 5 permittee-owned sites. However, this is not a requirement in the NH MS4 Permit.

**Important Note:** The permittee was required to develop a Priority Ranked Parcel Summary Report in Year 4. This is an opportunity for permittees to confirm that this requirement was completed.

*The municipality should choose one of the following statements: There are two choices dependant on if you completed the initial requirements in Year 4, or, completed the requirement during this reporting period (Year 5).*

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***:

*Or*

Identified permittee-owned properties that could potentially be modified or retrofitted with BMPs to reduce impervious cover ***during this reporting period*** because City of Somersworth did not complete this requirement during Year 4. The following was also completed ***during the reporting period***:

*The following are Year 5 requirements The municipality must report on the following metrics:*

City of Somersworth 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: 0, see NSIR and PSIR for properties identified to modify/retrofit

List of Non-MS4 Properties: 0

City of Somersworth 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: ##List of permittee-owned properties within the MS4 regulated area.

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

***Instructions: If any of the requirements in MCM #5 were incomplete or if you would like to provide any additional relevant details about any of the requirements, use the space below.***

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

**Instructions:** The information below can/should be found in your municipal Good Housekeeping and Pollution Prevention for Permittee-Owned Operations and Procedures. For reference, the New Hampshire Stormwater Coalition created the [MCM #6 Good Housekeeping and Pollution Prevention Template](#) that can be found on the [MCM #6 webpage](#) on the NH MS4 website.

- 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:

*The municipality should choose one of the following statements:*

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

*Or*

~~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.~~

*The municipality must report on the following metrics:*

Number of catch basins inspected **during this reporting period:** 80

Number of catch basins cleaned **during this reporting period:** 33 (Sunningdale), 31 (road resurfacing), 47 cleaned by DPW

Total volume **or** mass of material removed from **all** catch basins **during this reporting period:** 100 cubic yards *(Make sure to include units)*

Total number of catch basins within the MS4 system: 1,250 (1,100 public system, 150 private system)

## Street Sweeping

**Instructions:** The information below can/should be found in your municipal Good Housekeeping and Pollution Prevention for Permittee-Owned Operations and Procedures. For reference, the New Hampshire Stormwater Coalition created the [MCM #6 Good Housekeeping and Pollution Prevention Template](#) that can be found on the [MCM #6 webpage](#) on the NH MS4 website.

- 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.

*The municipality must report on the following metric:*

Number of (lane) miles swept **during this reporting period:** 300

*The municipality must report on the following metric (choose volume or mass):*

Volume of swept material **during this reporting period**: 320 cubic yards (*Make sure to include units – cubic feet, cubic yards, cubic meters*)

*Or*

~~Mass of swept material~~ **during this reporting period**: ~~##Number Units~~ (*Make sure to include units – tons, pounds, kilograms*)

## Stormwater Pollution Prevention Plan (SWPPP)

**Instructions:** For reference, use the [Written SWPPP for Municipal Facilities Template](#) that can be found on the [MCM #6 webpage](#) on the NH MS4 website.

- 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**: 8

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

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

*The municipality should choose one of the following statements:*

No corrective actions necessary.

*Or*

~~##Corrective actions taken and note the facility or facilities.~~

## Operations and Maintenance (O & M) Programs

**Instructions:** For reference, use the [MCM #6 Good Housekeeping and Pollution Prevention Template Year 1 & 2](#) that can be found on the [MCM #6 webpage](#) on the NH MS4 website.

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

*The municipality should choose all statements that apply:*

Implemented all maintenance procedures for permittee owned facilities in accordance with O&M programs.

Updated inventory of all permittee owned facilities as necessary.

*The municipality should choose one of the following statements:*

All permittee owned facilities, including an inventory, are included in our SWMP. There were no changes to report during Year 5.

*Or*

~~A review of all permittee owned facilities was completed and the inventory has been updated. The SWMP has been updated to reflect this and includes the following additional facilities: ##list of new facilities.~~

- 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.

***Instructions: If any of the requirements in MCM #6 were incomplete or if you would like to provide any additional relevant details about any of the requirements, use the space below.***

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

The FY2024 Catch basin cleaning project normally would occur in May-June 2023, however this project was delayed and is currently in progress through September and October 2023.

Also when conditions allow, Public Works personnel sweep downtown and selected streets following high wind and rain events to clear catch basins, etc.

## Appendix F and H: Water Quality Limited Waters & TMDLs

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

**Instructions:** All permittees should complete the requirements below. This is due to the New Hampshire Stormwater Coalition deciding that since almost all the waterbodies in New Hampshire have bacteria/ pathogen impairments, all permittees would complete the bacteria/ pathogens requirements in Appendix H to reduce confusion.

Only complete if you have a bacteria/pathogens impairment AND/OR TMDL.

- 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**.

**Instructions:** If any of the Bacteria/ Pathogens Impairment (Appendix H) AND TMDL (Appendix F) requirements were incomplete or if you would like to provide any additional relevant details about any of the requirements, use the space below.

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)

**Instructions:** Only complete the chloride impairments section below if you have a chloride impairment. If you do not have a chloride impairment, check off "Permittee does not have a chloride impairment".

The information below can/should be found in your Salt Reduction Plan (Due Year 3). For reference, the New Hampshire Stormwater Coalition created the [Salt Reduction Plan Template](#) that can be found on the [Winter Maintenance webpage](#) on the NH MS4 website.

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

Or

Permittee **has** a chloride impairment.

*The municipality should choose all statements that apply:*

Fully implemented Salt Reduction Plan **during this reporting period** and can be found in submission **and/or** at the following website ##website link.

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 **and/or** at the following website ##website link. The UNH Technology Transfer Center online tool is non-functional and has been for several years.

**Instructions:** If any of the Chloride Impairment (Appendix H) requirements were incomplete or if you would like to provide any additional relevant details about any of the requirements, use the space below.

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)

**Instructions:** Only complete the Nitrogen Impairment (Appendix H) section below if you have a nitrogen impairment. If you do not have a nitrogen impairment, check off "Permittee does not have a nitrogen impairment".

Permittee **does not** have a nitrogen impairment.

Or

Permittee **has** a nitrogen impairment.

*The municipality should choose all statements that apply, including Nitrogen Source Identification Report Update section:*

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.***

*The municipality should choose one of the following statements:*

- 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.***

*Or*

- 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

*Instructions: The information below can/should be found in your Nitrogen Source Identification Report (NSIR). For reference, the New Hampshire Stormwater Coalition created the [Nitrogen Source Identification Report Template \(updated May 2023\)](#) that can be found on the [Appendix H webpage](#) on the NH MS4 website.*

### 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.

*The municipality should choose one of the following statements:*

- Structural BMPs listed in Attachment 3 to Appendix F already existing or installed in the regulated area by City of Somersworth 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 ##lbs/year.

*Or*

- 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 0.8lbs/year.

***Instructions: If any of the Nitrogen Impairment (Appendix H) requirements were incomplete or if you would like to provide any additional relevant details about any of the requirements, use the space below.***

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)

***Instructions: Only complete the Phosphorus Impairment (Appendix H) section below if you have a phosphorus impairment. If you do not have a phosphorus impairment, check off "Permittee does not have a phosphorus impairment".***

- Permittee **does not** have a phosphorus impairment.

*Or*

- Permittee **has** a phosphorus impairment.

***The municipality should choose all statements that apply including the Phosphorus Source Identification Report Update section:***

- 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***.

***The municipality should choose one of the following statements:***

- 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***.

Or

- 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

*Instructions: The information below can/should be found in your Phosphorus Source Identification Report (PSIR). For reference, the New Hampshire Stormwater Coalition created the [Phosphorus Source Identification Report Template](#) (updated May 2023) that can be found on the [Appendix H webpage](#) on the NH MS4 website.*

### 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.

*The municipality should choose one of the following statements:*

- Structural BMPs listed in Attachment 3 to Appendix F already existing or installed in the regulated area by City of Somersworth 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 ##lbs/year.

Or

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 0.5 lbs/year.

**Instructions:** If any of the Phosphorus Impairment (Appendix H) requirements were incomplete or if you would like to provide any additional relevant details about any of the requirements, use the space below.

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)

**Instructions:** Only complete the Solids, Oil and Grease (Hydrocarbons), or Metals Impairment(s) (Appendix H) section below if you have a solids, oil and grease, or metals impairment(s). If you do not have a solids, oil and grease, or metals impairment(s), check off "Permittee does not have a solids, oil and grease, or metals impairment(s)".

Permittee **does not** have a solids, oil and grease, or metals impairment(s).

Or

Permittee **has** a solids, oil and grease, or metals impairment(s).

*The municipality should choose all statements that apply:*

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***. City of Somersworth street sweeping schedule can be found in submission **and/or** at ##website.

**Instructions:** If any of the Solids, Oil and Grease (Hydrocarbons), or Metals Impairment(s) (Appendix H) requirements were incomplete or if you would like to provide any additional relevant details about any of the requirements, use the space below.

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)

**Instructions:** Only complete the Chloride TMDL (Appendix F) section below if you have a chloride TMDL. If you do not have a chloride TMDL, check off "Permittee does not have a chloride TMDL".

The information below can/should be found in your Chloride Reduction Plan (Due Year 3). As a reminder for the permit requirements refer to the resources on the [Winter Maintenance webpage](#) on the NH MS4 website.

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

Or

Permittee **has** a chloride TMDL.

*The municipality should choose all statements that apply:*

Fully implemented Chloride Reduction Plan **during this reporting period** and can be found in submission **and/or** at the following website ##website link.

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 **and/or** at the following website ##website link. The UNH Technology Transfer Center online tool is non-functional and has been for several years.

**Instructions:** If any of the Chloride TMDL (Appendix F) requirements were incomplete or if you would like to provide any additional relevant details about any of the requirements, use the space below.

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)

**Instructions:** Only complete the Lake and Pond Phosphorus TMDL (Appendix F) section below if you have a Lake and Pond Phosphorus TMDL. If you do not have a lake and pond phosphorus TMDL, check off "Permittee does not have a lake and pond phosphorus TMDL".

For reference, use the Hot Spot Mapping Data resources on the permittee's [Permittee-Specific Resources](#) page on the NH MS4 website.

Permittee **does not** have a lake and pond phosphorus TMDL.

Or

Permittee **has** a lake and pond phosphorus TMDL.

*The municipality should choose one of the following statements:*

City of Somersworth 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 **and/or** at the following website ##website link. The plan is available to the public at ##website and/or facility and physical location.

*Or*

**During Years 1-4**, City of Somersworth 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 submission **and/or** at the following website ##website link.

City of Somersworth 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 is offering a workshop on August 21, 2023, for permittees to obtain information on how to fill out the template and associated spreadsheets. City of Somersworth will complete a written Lake Phosphorus Control Plan during Year 6 and provide an update on the progress in the Year 6 Annual Report. City of Somersworth 's plan will be available to the public once it is completed at following website ##website link **and/or** facility and physical location.

**Instructions:** If any of the Lake and Pond Phosphorus TMDL (Appendix F) requirements were incomplete or if you would like to provide any additional relevant details about any of the requirements, use the space below.

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

Not Applicable.

# Additional Required Information

## Monitoring or Study Results

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

- Not applicable.
- The results from additional reports or studies are in submission **and** at the following website <http://data.prepestuaries.org/data-explorer/>.

*If applicable:*

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:

The City pays FB Environmental in partnership with South Berwick, Berwick, and Rollinsford for additional testing and monitoring of the Salmon Falls River TMDL Work Plan. The report is attached. The City pays PREP for their efforts in monitoring and sampling of the Great Bay Estuary. The website with the data they have collected is listed above. This effort is for compliance related to the Great Bay Total Nitrogen permit.

## Description of Any Changes in Identified BMPs or Measurable Goals

*The municipality should choose one of the following statements:*

City of Somersworth has implemented activities in accordance with the permit and outlined in the SWMP. All BMPs and measurable goals outlined in the SWMP are appropriate.

*Or*

~~City of Somersworth made changes as noted below to the following BMPs and/or measurable goals that were outlined in the permit and identified in the SWMP.~~

~~##List the BMPs and/or measurable goals~~

## Activities Planned for Next Reporting Period

City of Somersworth will continue to implement activities in accordance with the permit and SWMP.

# Annual Report Submission

Your completed Annual Report and all associated documents must be sent to EPA by September 28, 2023. It is optional to send your completed Annual Report to NHDES as well.

Your Annual Report can be submitted either by email or mail:

Submittal Method	EPA	NHDES (Optional)
Email (preferably in pdf with all attachments as separate documents)	<a href="mailto:stormwater.reports@epa.gov">stormwater.reports@epa.gov</a>	<a href="mailto:Deborah.Loiselle@des.nh.gov">Deborah.Loiselle@des.nh.gov</a>
Mail (postage)	Newton Tedder US EPA- 06-4 5 Post Office Square, Suite 100 Boston, MA 02109	Deborah Loiselle Watershed Management Bureau 29 Hazen Drive; PO Box 95 Concord, NH 03302-0095