

Year 5 Annual Report

New Hampshire Small MS4 General Permit

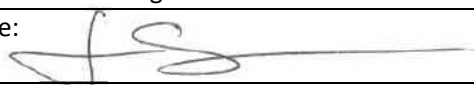
Reporting Period: July 1, 2022 - June 30, 2023

Hampton, NH

EPA NPDES Permit Number NHR041038

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: James B. Sullivan	
Title: Town Manager	
Signature: 	Date: September 28, 2023

Primary MS4 Program Manager Contact Information:

Name: Joseph Lynch	Title/Position: Deputy Director of Public Works		
Department: Department of Public Works			
Street Address: 100 Winnacunnet Road			
City: Hampton	State: New Hampshire	Zip Code: 03842	
Email: jlynch@hamptonnh.gov	Phone Number: 603-929-5925		

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 Hampton, NH 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.hamptonnh.gov/DocumentCenter/View/5835/Stormwater-Management-Plan-SWMP_01-07-22?bidId= . The SWMP can also be found on the Hampton Network @ H:/Stormwater Clean/Stormwater Management Plan (SWMP)/Stormwater Management Plan (SWMO)_1-07-22

Date SWMP was Last Updated: January 7, 2022

IDDE Program Plan: The IDDE Plan can also be found on the Hampton Network @ H:/Stormwater Clean/Illicit Discharge Detection & Elimination (IDDE)/IDDE Plan_06-30-20. The plan was reviewed during Permit Year 5 and no revisions (other than tabular updates) were necessary.

Updated System Map: Hampton maintains a real-time map of all its' assets, including stormwater, on a web-based software product called PeopleGIS. * The link to the map is...

<https://www.mapsonline.net/hamptonnh/ga.html?#x=-7885227.105279,5300441.140312,-7881691.892722,5302232.633162>

* (PeopleGIS, and all its suites, are web-based GIS asset management solutions. Access and use of these applications is a secure password protected application. Any person who wishes to review any map or information in the PeopleGIS platform may do so by contacting the Hampton DPW to schedule an appointment to work with a staff member that has sufficient credentials to assist and fulfill the request.)

Progress on Completion of System Map: Hampton's stormwater asset inventory map is 100% complete and is maintained on a real-time basis. All assets approved by the Planning Board and intended to be under municipal domain are inventoried as DRAFT in the system map. Once the subdivision attains acceptance at a Town Meeting the asset is converted from DRAFT to FINAL.

Updated SSO Inventory: There was no need to update our SSO Inventory as there were no new SSO's identified within our system.

Updated Inventory and Ranking of Outfalls/Interconnections: All outfalls in Hampton have been inventoried. All outfalls located within Town, but located in areas of Town that are unregulated under the MS4 have been Ranked as "EXCLUDED". All outfalls located within the regulated MS4 area have been ranked in accordance with the permit. Each regulated outfall has been ranked as "High Priority", "Low Priority", OR "Problem". All outfalls, along with all of their attributes (including ranking) are found in PeopleGIS PeopleFORM swDischargePoints*, which can be found at <https://www.mapsonline.net/hamptonnh/forms/tablet.html.php?id=485646723&sid=e9d6450dcbca1600e58293f882d4594f> .

* (PeopleGIS, and all its suites, are web-based GIS asset management solutions. Access and use of these applications is a secure password protected application. Any person who wishes to review any map or information in the PeopleGIS platform may do so by contacting the Hampton DPW to schedule an appointment to work with a staff member that has sufficient credentials to assist and fulfill the request.)

Dry Weather Screening Data: All Screening and Sampling Results are logged within PeopleGIS swDischargePointInspections software form. * The report for these activities undertaken during Permit Year 5 can be found on the Hampton network @ H:/Stormwater Clean/EPA MS4/Annual Reports/2022 to 2023 (Year 5)/Attachments to submission/Outfall Inspections and Sampling Wet & Dry.

* (PeopleGIS, and all its suites, are web-based GIS asset management solutions. Access and use of these applications is a secure password protected application. Any person who wishes to review any map or information in the PeopleGIS platform may do so by contacting the Hampton DPW to schedule an appointment to work with a staff member that has sufficient credentials to assist and fulfill the request.)

Wet Weather Screening Data: All Screening and Sampling Results are logged within PeopleGIS swDischargePointInspections software form *. The report for these activities undertaken during Permit Year 5 can be found on the Hampton network @ H:/Stormwater Clean/EPA MS4/Annual Reports/2022 to 2023 (Year 5)/Attachments to submission/Outfall Inspections and Sampling Wet & Dry.

* (PeopleGIS, and all its suites, are web-based GIS asset management solutions. Access and use of these applications is a secure password protected application. Any person who wishes to review any map or information in the PeopleGIS platform may do so by contacting the Hampton DPW to schedule an appointment to work with a staff member that has sufficient credentials to assist and fulfill the request.)

Catchment Investigation Data: All catchment investigation data in Hampton has been collected and logged. All catchments are recorded as an attribute and are found in PeopleGIS PeopleFORM swDischargePoints *, which can be found at...

<https://www.mapsonline.net/hamptonnh/forms/tablet.html.php?id=485646723&sid=e9d6450dcbca1600e58293f882d4594f>

And PeopleGIS PeopleFORM*, which can be found at ...

<https://www.mapsonline.net/hamptonnh/forms/tablet.html.php?id=783532059&sid=e9d6450dcbca1600e58293f882d4594f>

* (PeopleGIS, and all its suites, are web-based GIS asset management solutions. Access and use of these applications is a secure password protected application. Any person who wishes to review any map or information in the PeopleGIS platform may do so by contacting the Hampton DPW to schedule an appointment to work with a staff member that has sufficient credentials to assist and fulfill the request.)

Illicit Discharge Removal Report: Stormwater Outfall 147 is located within the DPW campus and falls under a Multi-Sector General Permit. As such, this outfall is subject to inspection and sampling on a quarterly basis. Samples from this outfall indicated a presence of bacteria. See MCM 3 section of this report for the narrative relative to this IDDE investigation. The report can be found as an attachment to the transmittal email to EPA for this annual report.

Results from additional stormwater or receiving water quality monitoring reports or studies:

Stormwater Outfall 147 is located within the DPW campus and fall under a Multi-Sector General Permit. As such, these outfalls are subjected to inspection and sampling on a quarterly basis. Reports for these activities undertaken during Permit Year 5 can be found on the Hampton network @ H:/Stormwater Clean/EPA MS4/Annual Reports/2022 to 2023 (Year 5)/Attachments to submission/MSGP Outfall Inspections and Sampling Wet & Dry.

The Town has not received and is not aware of any receiving water quality monitoring reports or studies conducted relative to the water quality of any receiving water within the Hampton MS4.

Salt Reduction Plan: This permit requirement is not applicable to the Town of Hampton.

Annual Salt Usage Report: N/A

Updated Nitrogen Source Identification Report: The Nitrogen Source Identification Report was updated in June 2023. The report can be found as an attachment to the transmittal with the Annual Report.

Updated Phosphorus Source Identification Report: This permit requirement is not applicable to the Town of Hampton.

Street Sweeping Schedule: Every Town owned street is swept 2X per year (spring & fall). Every Beach Street from Seabrook to Ashworth Avenue, the lettered streets excluding the marsh side of Ashworth is swept every day (7 days a week) from mid-May through mid-September. High traffic roadways: Lafayette, Winnacunnet, High, Exeter and Mill get swept 4X per year (twice each spring and fall).

Chloride Reduction Plan: This permit requirement is not applicable to the Town of Hampton.

Annual Salt Usage Report: N/A

Lake Phosphorus Control Plan: This permit requirement is not applicable to the Town of Hampton.

Lake Phosphorus Control Plan (Items 1-4): N/A

Self-Assessment

Select the impairment(s) and/or TMDL(s) that are applicable to your MS4. Make sure you are referring to the 2020/2022 EPA approved Section 303(d) Impaired Waters List which was used for the Year 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 type="checkbox"/> Nitrogen |
| <input type="checkbox"/> Phosphorus | <input checked="" type="checkbox"/> Solids/Oil/Grease (Hydrocarbons)/Metals | |

TMDL(s)

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

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

No

The Town of Hampton has not made changes to the list of receiving waters, outfalls, or impairments since the NOI submission as none was necessary.

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

See MCM 1 for detailed information relative to progress made on bacteria and nitrogen Public Education. See MCM 3 for detailed information relative to progress made on bacteria reduction through IDDE program. See MCM 6 for detailed information relative to progress made on bacteria and Solids/Oil/Grease (Hydrocarbons)/Metals impairment BMPs.

Minimum Control Measures

MCM 1: Public Education

Total number of all MS4 related educational efforts completed *during this reporting period*: Hampton undertook 13 separate efforts to educate the public of the importance of various aspects of stormwater management and quality. These educational measures are described in more detail below. A log of all Public Education Programs used by Hampton during Permit Year 5 can be found as an ATTACHMENT A to the report transmittal.

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

No

Yes. Hampton made no changes to the Public Education program.

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 flyer of “Green Grass and Clean Water”, which was based on the NHSSWC flyer and modified by Hampton to represent Hampton’s needs. These flyers were posted on social media, made available at Town Hall Information Desk, and distributed at the twice-yearly Household Hazardous Waste Collection events. “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. A copy of this flyer can be found as ATTACHMENT B to the transmittal email for this Annual Report.

Targeted Audience: Residents
(Social media posting Town website on 4/1/2023 hit 793 subscribers)

Responsible Department/Parties: Hampton Department of Public Works

Measurable Goal(s):

Residents that are lawn care enthusiasts understand the potential water quality impacts from fertilizer and improper disposal of grass clippings and are made 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 = 10 flyers to Town Hall on 9/6/2022
- Year 5 = 50 flyers handed out at Household Hazardous Waste Collection event held on 6/1/2023
- Year 5 = Flyer loaded to Town’s website on 4/1/2023 where it hit 793 subscribers.

Goal was achieved. Yes

Message Date: See above.

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:

To minimize bacteria impacts to water quality we educated the public about best practices for pick-up and proper disposal of pet waste. This included the distribution and promotion of "Every Drop" flyers with information about proper pet waste management, impacts caused by improper management, pet waste ordinance, and disposal requirements messaging. These flyers were made available during dog registration and other events. "Every Drop" is a collaborative education effort with PREP, NHDES and other partners. A copy of this flyer which was modified to represent the needs for the Town of Hampton, can be found as ATTACHMENT C to the transmittal email for this Annual Report.

Every Drop is a collaborative education effort with PREP, NHDES and other partners. Hampton modified this flyer to lend a local feel to it.

Targeted Audience:

Residents - Pet Owners

Responsible Department/Parties: Hampton Department of Public Works / Town Clerk

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 = There were no new pledges received

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

Year 5 = 9/6/2022 (30) flyers delivered to Town Clerk to give to pet owners at time of in-person licensing throughout the year. (Most pet licensing is done online in the spring.)

Year 5 = 4/26/2023 Flyer was electronically attached to email pet license renewal

Goal was achieved. Yes

Message Date: See Above

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 and brochures (Rake it or Leave it) about impacts from yard waste to waterbodies, alternatives to dumping yard waste, and laws against dumping yard waste near or in waterbodies.

Although the Town of Hampton is not a municipality with nitrogen or phosphorus impairments, nor TMDL's, the Town has elected to publish the flyer to the public as a matter of promoting the Town's successful yard waste recycling program and to educate residents of the potential for negative water quality impacts that may result from improper management of yard waste. A copy of this flyer can be found as ATTACHMENT D to the transmittal email for this Annual Report.

Targeted Audience: Residents

Responsible Department/Parties: Hampton Department of Public Works

Measurable Goal(s):

Residents are aware of the water quality impacts of yard waste dumping near or in water bodies and safe alternatives for yard waste disposal. Educate residents as to the benefits of mulching and composting, and the potential water quality impacts if these practices are not done correctly.

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

- Year 5 = 50 flyers handed out at Household Hazardous Waste Collection event held on 9/17/2022
- Year 5 = Flyer loaded to Town’s website on 10/15/2022 where it hit 587 subscribers.
- Year 5 = 50 flyers to Town Hall on 3/1/2023.
- Year 5 = Flyer loaded to Town’s website on 6/15/2023 where it hit 829 subscribers.

Goal was achieved. Yes

Message Date: See above.

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 Town of Hampton Observed Septic Smart Week during September 19 – 23, 2022 by publishing two flyers. “Flushables” was published on September 21st and “Protect & Inspect” was published on September 30th. Publication was made to the Town’s website, which links to the Town’s FACEBOOK page. At the time of publication there were 596 followers to the DPW page, 723 subscribers to NEWS, and more than 3,000 followers to FACEBOOK. These same two brochures were republished and “Shield Your Field” brochure was issued in printed media and 30 copies each were set out at the Town’s information kiosk.

Septic Week Announcement is ATTACHMENT E to the email mail transmittal for this Annual Report.

“Don’t Load the Commode” was published on March 1st. Publication was made to the Town’s website, which links to the Town’s FACEBOOK page. At the time of publication there were 601 followers to the DPW page, 727 subscribers to NEWS, and more than 3,000 followers to FACEBOOK. The same message was republished in the same manner on May 1st.

“Flushables” is ATTACHMENT G to the email mail transmittal for this Annual Report.

“Don’t Overload the Commode” is ATTACHMENT G to the email mail transmittal for this Annual Report.

Targeted Audience:

Septic System Owners

Responsible Department/Parties: Hampton Department of Public Works

Measurable Goal(s):

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

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

Year 5 = See above

BMP: Industrial Outreach

Outreach Resources:

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

Description:

- 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. A Sample copy of the letter sent, and a listing of target industrial users located in Hampton can be found as attachments to the email transmission for this report.

Targeted Audience:

Industrial facilities regulated under the Multi-Sector General Permit located within the regulated NH MS4 area. A listing of Industrial facilities targeted under this campaign can be found as ATTACHMENT H to the email transmittal for this Annual Report. The letter sent to industrial users under this campaign can be found as ATTACHMENT I to the email transmittal for this Annual Report. And the Industrial Fact Sheet sent under this campaign can be found as ATTACHMENT J to the email transmittal for this Annual Report.

Responsible Department/Parties: Hampton 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 = 4 of letters

Year 5 = 4 of fact sheets

Goal was achieved.

Message Date: June 1, 2023.

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

All Complete.

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 Hampton 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 the Town of Hampton and is available to the public. Hampton has maintained records and promoted the existence of the Stormwater Management Program and invited comments / suggestions. The Stormwater Management Program is publicly available to be reviewed at Hampton Public Works office. Documents and records relating to the permit are retained and available for not less than 5 years to the public on the Towns network @ H:/Stormwater Clean/ Stormwater Management Plan (SWMP). The SWMP is also available by link on the Town's website at https://www.hamptonnh.gov/DocumentCenter/View/5835/Stormwater-Management-Plan-SWMP_01-07-22?bidId=

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

- No
- Yes. Hampton made the following changes: None.

Measurable Goal(s):

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

Public involvement or participation opportunities are ancillary to daily operations.

The plan has also been available for review at public events like the Town's Household Hazardous Waste Collection events held in September 2022 and May 2023.

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

Completed. Will continue to maintain the current version of the SWMP to the current requirement and to make the SWMP available for review and comment. Hampton will conduct a public meeting should any substantive changes be made to the plan.

MCM 3: Illicit Discharge Detection and Elimination (IDDE)

Sanitary Sewer Overflows (SSOs)

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

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

Number of SSOs identified during this reporting period: None / 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

Inventory and Ranking of Outfalls/Interconnections

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

There are a total of 187 outfalls in all of Hampton. 27 outfalls fall within the (MS4) unregulated parts of town. 160 outfalls fall within the MS4 regulated area. Of those, 63 are ranked LOW PRIORITY, 32 are ranked HIGH PRIORITY, and 1 is ranked as PROBLEM.

The revised inventory and ranking of outfalls/interconnections can be found as an ATTACHMENT K to the email transmittal to this Annual Report.

Screening of Outfalls

All (167 (100%)) of the outfalls located within the MS4 Regulated Area were screened during Permit Year 5.

A listing of outfall screening conducted in Permit Year 5 can be found as an ATTACHMENT L to the email transmittal to this Annual Report.

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 as an attachment to the email transmittal to this Annual Report.

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

Number of outfalls/interconnections screened *during this reporting period*: 108

Percent of total known outfalls/interconnections screened *to date (Year 1 – Year 5)*: 100%

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 as an attachment to the email transmittal to this Annual Report.

Number of outfalls screened under *Wet Weather criterion during this reporting period*: 59

Percent of total known outfalls/interconnections screened *to date (Year 1 – Year 5)*: 100%

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 as an ATTACHMENT M to the email transmittal for this Annual Report.

Number of catchment investigations during this reporting period: One catchment Investigation was conducted as outlined in Part [2.3.4.8](#). of the permit and include investigations associated with Problem/High Priority Outfalls SWOF 147 and its interconnections. ea.

Percentage of total catchments investigated to date (Year 1 - Year 5): 100% of Problem Outfall Catchment Areas have been investigated. 72% of High Priority Outfall Catchment Areas have been investigated.

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 **and/or** at the following website.

Number of illicit discharges identified during this reporting period: 0 None existed.

Number of illicit discharges removed during this reporting period: 0 None existed.

Estimated gallons of flow removed during this reporting period: Not Applicable gallons/day.

Total number of illicit discharges identified since the effective date of the permit (July 1, 2018 – June 30, 2023): 0 None found to exist.

Total number of illicit discharges removed since the effective date of the permit (July 1, 2018 – June 30, 2023): 0 None found to exist.

100% of Problem Outfall Catchment Areas have been investigated. Although elevated bacteria levels were periodically found to exist in water samples from SWOF-147, investigation has concluded that the sources are not from any illicit discharge. Elevated bacteria levels appear to be from non-sewage sources, and perhaps attributed to natural sources. The investigation will continue through Permit Year 6. The NPDES Permit requires that all Problem Outfalls be investigate by Permit Year 7. Hampton will achieve this goal. A Summary Report of the investigation for SWOF-147 can be found as an ATTACHMENT M to the email transmittal to this Annual Report.

Employee Training

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

Hampton administrative staff held IDDE training sessions for field staff at the commencement of annual catch basin cleaning operations for the summer of 2022. These trainings were conducted in the field on July 6th and 7th 2022. In addition, Hampton administrative staff 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 (and are recorded with the IDDE Plan). A copy of the Training Log/Dates can be found as an ATTACHMENT N to the email transmittal to this Annual Report.

Date	Type of Training	Participants
7/6/22	On the Ground Training while crews were conducting Catch Basin and Manhole cleaning operations. Instructed crews to be aware, both visually, and olfactorily, before commencing cleaning operations on each structure. Look for solids (human feces, toilet paper, feminine products, grease or cooking oils, sheens or other signs of chemical release, and pet waste, etc.). Be aware of unexpected odors (sewerage, chemicals, oils, or grease, etc.). Make note of any suspicious observations found within PeopleGIS PeopleFORM. Report finding to supervisor, then MS4 manager. Write Work Order if condition warrants additional investigation.	Sewer & Drain Crew – Tobey Spainhower, Brian Kelly, Mark Wilbur, Joshua Tymann, Ryan Sharpe
7/7/22	PeopleGIS Training. Trained staff on the use of Quick Asset, PeopleFORM (swDischargePoints, swDischargePointInspection, swManholes, swManholeInspections, swInlets, swInletInspections, and swInletCleanings). The crew was taught what information to look for, and where to enter it in the appropriate form. The crew was also taught how to report any issue found, both in person and on the PeopleFORM, and how to initiate a Work Order so that any remedial work can be entered, tracked, and logged for the permanent record.	Sewer & Drain Crew – Tobey Spainhower, Brian Kelly, Mark Wilbur, Joshua Tymann, Ryan Sharpe

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 <i>during this reporting period:</i>	7
Number of inspections completed <i>during this reporting period:</i>	14
Number of enforcement actions taken <i>during this reporting period:</i>	0 (None were necessary)

The Town of Hampton works closely with contractors to address environmental concerns for the least environmental impact. The Town uses a Plan Review Committee process where all Town Departments have an active role in identifying and addressing any development concerns before any application is heard before the Planning Board or Zoning Board of Adjustment. It is at this very early stage of site planning that the Town first rolls out the importance and requirements of responsible construction site stormwater runoff control. The message then holds true through every project's ultimate approval and becomes part of the project's conditions of approval and its inspection process.

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

- Hampton has a regulatory mechanism(s) consistent with permit requirements 2.3.6.a.ii.
Date regulatory mechanism was adopted: Prior to July 1st 2021.

As-built Drawings

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

Street Design and Parking Lots Report

- During Year 4, Hampton 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*, Hampton 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: ##MUNICIPALITY to note recommended or planned changes here. The anticipated date or date of completion for updates is....
- No updates were made *during this reporting period* because all required updates have been made to make low impact designs allowable as outlined in the Assessment Report.
- No updates were made or planned to be made to local regulations and/or guidelines *during this reporting period*.
- Updates were recommended and/or planned to be made to local regulations and/or guidelines *during this reporting period*. Following are the recommended updates: Hampton to note recommended or planned updates here. The anticipated date or date of completion for updates is ...
- No updates were made *during this reporting period* because all required local regulation and/or guideline updates have been made to make low impact designs allowable as outlined in the Local Regulations Assessment Report.

Green Infrastructure Reports

- During Year 4, Hampton 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*, Hampton 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.
- No progress was made *during this reporting period* towards making green infrastructure practices allowable as outlined in the Assessment Report.
- Progress was made *during this reporting period* as outlined in the Assessment Report. Hampton has made progress on Green Roofs, Infiltration Practices, and/or Water Harvesting. Progress includes updating the ordinance, regulation, code.
- No updates were made *during this reporting period* because all required updates have been made to make green infrastructure practices allowable as outlined in the Assessment Report.
- No updates were made or planned to be made to local regulations *during this reporting period*.
- Updates were made to the local regulations *during this reporting period* to reflect the number of revisions.
- No updates were made *during this reporting period* because all required local regulation updates have been made to make green infrastructure practices allowable as outlined in the Assessment Report.

Retrofit Properties Inventory

- 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 Hampton did not complete this requirement during Year 4. The following was also completed *during the reporting period*:
- Hampton 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: There are fourteen permittee-owned properties within the MS4 regulated area.

List of Non-MS4 Properties: There are no permittee-owned properties (other than roadway right of way layout) outside the MS4 regulated area.

- Hampton has modified or retrofitted the following MS4 and/or Non-MS4 properties with BMPs to mitigate impervious areas 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.

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

Hampton has identified, delineated, and prioritized a listing of municipally owned properties that might be considered for either reduction of impervious surface or implementation of structural BMP's to potentially improve water quality. Hampton has selected one site, the DPW campus, where structural BMP's may potentially improve water quality at those outfalls (including Problem Outfall SWOF 147). Hampton will develop feasibility and designs for BMPs at that location and seek funding at Town Meeting for implementation of those BMP's. Hampton will use the same list when each of those properties may be considered for any sort of construction and will try to include pavement retrofit opportunities into any such project.

MCM 6: Good Housekeeping

Catch Basin Cleaning

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

A schedule for catch basin cleaning has been established with the goal of ensuring that a catch basin should not be more than 50% full. (For MS4 purposes, Hampton has established that the fullness of a catch basin is represented as the depth of sediment from bottom of sump to the top of sediment as compared to the bottom of sump to the lowest pipe invert.)

From the outset of the formal MS4 program, Hampton has generally tried to follow a schedule that cleans 20% of the total basins each year, or every basin once every five years.

The intent of MCM6 is to assure that there is adequate debris storage capacity in most basins most of the time so to minimize downstream water quality impacts. In Hampton, some basins are located in areas where conditions warrant more frequent cleaning, however the majority of other basins are in areas less vulnerable and therefore can tolerate less frequent (or longer times between) cleaning. Hampton's Catch Basin Cleaning program includes:

- Focus on inspecting basins regularly and cleaning those basins that are greater than 50% full.
 - Those basins that were 50% full the prior year, get reinspected in the current year to determine an appropriate frequency for cleaning intervals that meets the optimum target for debris storage. Identifying those basins that are less than 25% full and then defer cleaning frequency to more than every 5 years. Also included is an inspection on an annual basis to verify the extended cleaning intervals are valid and effective.

The Town's approach has allowed the town to direct its' limited municipal resources towards the most vulnerable catch basins, while not causing any detriment to other, less vulnerable, parts of the MS4 system. This approach meets the intent of this MCM6 Good Housekeeping BMP.

The number of catch basins that were inspected *during this reporting period*: 276 Catch Basins

35 Basins were inspected and found to not need cleaning (>5% full).

The number of catch basins that were cleaned and inspected *during this reporting period*: 276 Catch Basins

A total of 308 catch basins were cleaned during this permit year. Thirty catch basins of the total were cleaned twice, and one catch basin was cleaned three times; All because of vulnerability due to proximity of coastal influences. Effectively, 276 basins were cleaned at least once during Permit Year 5, representing 19% of the total.

Of the 276 basins cleaned 89 were 10% full or less, 67 were between 10% and 25% full, 78 were between 25% and 50% full, 31 were between 50% and 75% full, and 43 were more than 75% full.

74 catch basins were more than 50% full.

A copy of the Catch Basin Cleaning Report can be found as an ATTACHMENT O to the email transmittal to this Annual Report.

Total volume of material removed from all catch basins *during this reporting period*: 142 Cubic Yards of material were removed from catch basins during Permit Year 5.

Total number of catch basins within the MS4 system: 1,515 Basins within the MS4.

The Permit Year 5 GOAL for MCM6 for Catch Basin Cleaning was met.

Street Sweeping

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

Number of (lane) miles swept *during this reporting period*: Hampton DPW swept a total of 970 lane miles of roadway during Permit Year 5.

Volume of swept material *during this reporting period*: Hampton removed approximately 47 cubic yards of material during Permit Year 5 sweeping operations. *(Please note that due to a typographical arithmetic error, the volume removed during Permit Year 4 was reported to be 410 cubic yards; It should have been 41.0 cubic yards.)*

A copy of the Street Sweeping Report can be found as an ATTACHMENT P to the email transmittal to this Annual Report.

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 *during this reporting period*: 798.

- SWPPP inspections were conducted (X) times at...
 - (20) various areas of the DPW Campus.
 - (1) Town Hall
 - (1) Police Department
 - (2) Fire Department
 - (5) municipal parking lots
 - (756) at all the Town Pump Stations

Number of corrective actions taken during this reporting period: 0 (None were necessary)

Describe any corrective actions taken at a facility with a SWPPP: No corrective actions necessary.

Operations and Maintenance (O & M) Programs

- O&M programs for all permittee owned facilities have been completed and/or updated as noted below:
 - Implemented all maintenance procedures for permittee owned facilities in accordance with O&M programs.
 - Updated inventory of all permittee-owned facilities as necessary.
All permittee owned facilities, including an inventory, are included in our SWMP. There were no changes to report during Year 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)

- An 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.

Nitrogen Impairment (Appendix H)

Hampton has several brooks that flow north into North Hampton. Areas in the northeaster sector of Hampton flow to North Hampton waterbodies that have no nitrogen impairment. Those waterbodies ultimately discharge to the ocean through Rye, and these tributaries never encounter any other nitrogen impaired water body along the way. Very small areas in Hampton along the North Hampton border, and east and west of Interstate 95, flow into North Hampton waterbodies that have also have no nitrogen impairment. Most of that area is not regulated under our MS4.

However, a very small part of those waterbodies ultimately flows into Winnicut River and into Great Bay, which has a nitrogen impairment. Therefore, Hampton is subject to Part 2.2.2.a.i. of the permit and is required to meet additional requirements to address nitrogen in our stormwater discharges.

Hampton has several brooks that flow north into North Hampton. Areas in the northeaster sector of Hampton flow to North Hampton waterbodies that have no nitrogen impairment. Those waterbodies ultimately discharge to the ocean, and they never encounter any other nitrogen impaired water body along the way. Very small areas in Hampton along the North Hampton border, and east and west of Interstate 95, flow into North Hampton waterbodies that have also have no nitrogen impairment. Most of that area is not regulated under our MS4. However, a very small part of those waterbodies ultimately flows to Great Bay, which has a nitrogen impairment. Therefore, Hampton has been designated under the NPDES General Permit as being subject to Part 2.2.2.a.i. of the permit and is required to meet additional requirements to address nitrogen in our stormwater discharges. Coincidentally, there is no data recorded for the Winnicut River itself within the Great Bay Total Nitrogen Impairment 2018 or 2020 303(d) list.

The only land area located within the MS4 regulated area of Hampton, which flows into the Winnicut tributary, is an approximately an 11-acre tract of land. That 11-acre tract of land is 100% undeveloped and not capable of supporting any future development whatsoever. There are a total of four outfalls located within the general vicinity of that 11-acre tract of land. Every one of those outfalls flows into a brook which then flows south towards several tributary brooks which flow to Taylor River. 100% of Hampton's MS4 is in a separate watershed than that of the Winnicut. Therefore, Hampton intends to formally request that US-EPA remove Hampton from the Nitrogen Impairment listing.

In the past, and in the meantime Hampton, as a matter of good faith and true stewardship of improved water quality, Hampton has elected to meet, to the greatest extent practicable, Appendix H requirements of Permit.

- 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

A copy of the Nitrogen Source Identification Report can be found as an ATTACHMENT Q to the email transmittal to this Annual Report.

Structural BMPs

- The Nitrogen Source Identification Report can be found as an attachment to the email transmittal for this Annual Report. Hampton maintains a copy of this report at H:/Stormwater Clean/EPMS4/Annual Reports/2022 to 2023 Annual Report (Year 5)/Attachments to 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 Hampton 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 ...

- 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:

Hampton has identified, delineated, and prioritized a listing of municipally owned properties that potentially contain catchments with high nitrogen loading. Of that listing none are located within the catchment areas to tributaries feeding nitrogen impaired waterbodies. However, of the prioritized list Hampton has selected one site, the DPW campus, where structural BMP's may potentially improve water quality at those outfalls. Hampton will develop feasibility and designs for BMPs at that location and seek funding at Town Meeting for implementation of those BMP's.

Phosphorus Impairment (Appendix H)

- Permittee does not have a phosphorus impairment.

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

- 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*. Hampton's street sweeping schedule can be found as an attachment to the email submittal for the Annual Report.

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.

Lake and Pond Phosphorus TMDL (Appendix F)

Permittee does not have a lake and pond phosphorus TMDL.

Additional Required Information

Monitoring or Study Results

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

- Not applicable.
- The results from additional reports or studies are in submission and/or at the following website.

The Town has not received and is not aware of any receiving water quality monitoring reports or studies conducted relative to any receiving water within the Hampton MS4.

Description of Any Changes in Identified BMPs or Measurable Goals

The Town of Hampton has implemented activities in accordance with the permit and as outlined in the SWMP. All BMPs and measurable goals outlined in the SWMP are appropriate.

Activities Planned for Next Reporting Period

The Town of Hampton 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)	stormwater.reports@epa.gov	Deborah.Loiselle@des.nh.gov
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