

Year 4 Annual Report
New Hampshire Small MS4 General Permit
Reporting Period: July 1, 2021-June 30, 2022

Please DO NOT attach any documents to this form. Instead, attach all requested documents to an email when submitting the form

Unless otherwise noted, all fields are required to be filled out. If a field is left blank, it will be assumed the requirement or task has not been completed. Please ONLY report on activities between July 1, 2021 and June 30, 2022 unless otherwise requested.

Part I: Contact Information

Name of Municipality or Organization:

EPA NPDES Permit Number:

Primary MS4 Program Manager Contact Information

Name: Title:

Street Address Line 1:

Street Address Line 2:

City: State: Zip Code:

Email: Phone Number:

Stormwater Management Program (SWMP) Information

SWMP Location (web address):

Date SWMP was Last Updated:

If the SWMP is not available on the web please provide the physical address:

Part II: Self-Assessment

First, in the box below, select the impairment(s) and/or TMDL(s) that are applicable to your MS4. Make sure you are referring to the most recent EPA approved Section 303(d) Impaired Waters List which can be found here: <https://www.epa.gov/tmdl/region-1-impaired-waters-and-303d-lists-state>

Impairment(s)

Bacteria/Pathogens
 Chloride
 Nitrogen
 Phosphorus
 Solids/ Oil/ Grease (Hydrocarbons)/ Metals

TMDL(s)

Bacteria and Pathogen
 Chloride
 Lake and Pond Phosphorus

Clear Impairments and TMDLs

Next, check off all requirements below that have been completed. **By checking each box you are certifying that you have completed that permit requirement fully.** If you have not completed a requirement leave the box unchecked. Additional information will be requested in later sections.

Year 4 Requirements

- Developed a report assessing current street design and parking lot guidelines and other local requirements within the municipality that affect the creation of impervious cover, made it available as part of the SWMP, and:
- requirements within the municipality that affect the creation of impervious cover, made it available as part of the SWMP, and:
 - No updates were recommended
 - Updates were recommended. The anticipated date or date of completion for updates is/was:

2023

- 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:
- infrastructure practices allowable when appropriate site conditions exist, made it available as part of the SWMP, and:
 - No updates were recommended
 - Updates were recommended. The anticipated date or date of completion for updates is/was:

2023

- Identified a minimum of 5 permittee-owned properties that could potentially be modified or retrofitted with BMPs to reduce impervious cover

Optional: If you would like to describe progress made on any incomplete requirements listed above, provide an update on previous incomplete milestones, or provide any additional details, please use the box below:

- Street design and parking lot guidelines and other local requirements that affect creation of impervious cover assessment was completed in June 2022 as required in Part 2.3.6.c. of the 2017 NH MS4 permit and is included in the updated stormwater management plan.
- Local regulations to determine the feasibility of making green infrastructure practices allowable when appropriate site conditions exist cover assessment was completed in June 2022 as required in Part 2.3.6.d. of the 2017 NH MS4 permit and is included in the updated stormwater management plan.

• Permittee-owned properties that could potentially be modified or retrofitted with BMPs to reduce impervious cover inventory and priority ranking was completed in June 2022 as required in Part 2.3.6.e. of the 2017 NH MS4 permit and is included in the updated stormwater management plan.

Annual Requirements

- Provided an opportunity for public participation in review and implementation of SWMP and complied with State Public Notice requirements
- Kept records relating to the permit available for 5 years and made available to the public
- The SSO inventory has been updated, including the status of mitigation and corrective measures implemented
 - This is not applicable because we do not have sanitary sewer
 - This is not applicable because we did not find any new SSOs
 - The updated SSO inventory is attached to the email submission
 - The updated SSO inventory can be found at the following website:

- Updated system map due in year 2 as necessary
- Provided training to employees involved in IDDE program within the reporting period
- Properly stored and disposed of catch basin cleanings and street sweepings so they did not discharge to receiving waters
- All curbed roadways were swept at least once within the reporting period
- Implemented SWPPPs for all permittee owned or operated maintenance garages, public works yards, transfer stations, and other waste handling facilities
- Enclosed all road salt storage piles or facilities and implemented winter road maintenance procedures to minimize the use of road salt
- Updated inventory of all permittee owned facilities as necessary
- O&M programs for all permittee owned facilities have been completed and updated as necessary
- Implemented all maintenance procedures for permittee owned facilities in accordance with O&M programs
- Implemented program for MS4 infrastructure maintenance to reduce the discharge of pollutants
- Inspected all permittee owned treatment structures (excluding catch basins)

Optional: If you would like to describe progress made on any incomplete requirements listed above or provide any additional details, please use the box below:

The Town uses conventional stormwater conveyances and inspection/maintenance comprises regular (not annual) inspections consistent with parts 2.3.4.7 and 2.3.4.8 of the NH Small MS4 permit and repairs, as necessary, when issues are discovered. If/when stormwater BMPs are installed there will be an associated inspection and maintenance schedule to ensure the functioning of those treatment structures. Privately owned stormwater treatment structures have their own required inspection and maintenance schedules that are not reported in the Town's annual report.

Bacteria/ Pathogens (Combination of Impaired Waters Requirements and TMDL Requirements as Applicable)Annual Requirements*Public Education and Outreach**

- Annual message was distributed encouraging the proper management of pet waste, including noting any existing ordinances where appropriate
- Permittee or its agents disseminated educational material to dog owners at the time of issuance or renewal of dog license, or other appropriate time
- Provided information to owners of septic systems about proper maintenance in any catchment that discharges to a water body impaired for bacteria

** Public education messages can be combined with other public education requirements as applicable (see Appendix H and F for more information)*

Optional: If you would like to describe progress made on any incomplete requirements listed above or provide any additional details, please use the box below:

Optional: Use the box below to provide any additional information you would like to share as part of your self-assessment:

The Town of Plaistow has completed the required self-assessment (MS4 Permit Part 4.4.2.1) and has determined that the municipality is either in compliance with all permit conditions or is actively working toward completing all requirements as described in this report. Plaistow's Stormwater Management Program remains in-progress and includes continuing as well as new stormwater activities during the reporting period. A summary of stormwater related activities during the reporting period follows and includes many proactive stormwater activities not required under the permit:

- Submitted a Year 3 MS4 Annual Report;
- The Town of Plaistow proposed a 2020 Warrant Article to construct a new "Salt Shed" at the new Public Works Garage located at 144 Main Street. This was the third phase of building a new Public Works Facility - including a new Salt Shed and relocating the entire Highway Department from the Old County Road (Landfill site) to a new site and building new infrastructure that is consistent with BMP requirements for storing winter salt. Construction of the salt shed was completed in the winter of 2021 and all new deliveries of road salt are to the new Public Works Facility Salt Shed at 144 Main Street. The new Salt Shed is larger (40 x 60) than the previous salt shed, is enclosed and does not allow any weather or water into the building thereby eliminating any salt discharge. The Highway Department includes annual winter operations training for staff and contractors that include best practices for handling road salt at the loading facility to minimize incidental releases of road salt to the environment. The previously used Salt Shed at Old County Road is no longer used for salt storage and instead is used for non-motorized equipment storage;
- 539 Town-owned catch basins were cleaned in December 2021 and approximately 40 cubic yards of material was removed from the catch basins. Catch basin cleaning is planned again for November 2022;
- The Town conducted IDDE training during a Stormwater Task Force meeting in March 2022

- Removed approximately 60 cubic yards of debris swept from Town streets and parking lots in May 2022;
- A written Winter Road Maintenance training policy has been developed and is implemented annually in the pre-winter operations meeting where procedures including education and staff training, and salt storage best management practices are reviewed. The written policy is reviewed and updated annually to ensure compliance with 2017 NH MS4 permit requirements;
- The New Hampshire Department of Environmental Services (NHDES) approved the Town of Plaistow for a Clean Water State Revolving Fund (CWSRF) loan of \$30,000 with 100% principal forgiveness in the Fall 2019 to develop a stormwater asset management plan. The Town received authority to apply for and spend a CWSRF loan at its 2019 Town Meeting in March 2019. The CWSRF loan and asset management plan project has been placed on hold; however, the Town routinely has discussions to pursue the project. Asset management plan implementation could assist the town with MS4 permit compliance activities and improve the Town's stormwater infrastructure over the long term;
- Completed numerous meetings with the Selectmen, Planning Board and staff regarding stormwater stewardship and regulatory responsibilities;
- Town staff are members of the Lower Merrimack Valley Stormwater Management Coalition and attend periodic meetings;
- The Town continues to utilize a Plaistow Stormwater Task Force to develop and implement the Town's stormwater management program. The Task Force consists of members of the Town Planning Department, Department of Building Safety, Health Department, the Town Manager, the Highway Department, the Conservation Commission, and an outside stormwater consultant, Normandeau Associates, Inc. In 2022, the Plaistow Stormwater Task Force held two meetings, in March and August, to review and implement the Town's stormwater management program;
- The Plaistow Conservation Commission continues to support long-term annual monitoring of stream water quality at twenty-one (21) surface water quality stations with sampling last completed in November 2021 and planned again for November 2022;
- Town was awarded a \$19,995.70 grant in 2013 to update the Town's Source Water Protection Plan, to review/update the Aquifer Protection Ordinance, to review existing groundwater protection rules, and to develop a BMP inspection/survey program for Potential Contamination Sources (PCSs) with the updated Source Water Protection Plan being approved by the NHDES Drinking Water and Groundwater Bureau in January of 2016. This effort has benefited the current stormwater program and is ongoing;
- The Southern New Hampshire Regional Water Interconnection Project is a collaboration between the seven (7) communities and water companies - consisting of Manchester Water Works, Towns of Derry, Windham, Salem, Plaistow, Pennichuck Corporation, and the Hampstead Area Water Company, Inc. (serving Hampstead and Atkinson) to supplement stressed drinking water resources in southern New Hampshire. The water recipients are primarily in need of supplemental drinking water due to MtBE contamination of local wells and to a lesser extent the region's growing population. Construction of the project started in Spring of 2020 with the construction of a 400,000-gallon water tank on Sweet Hill Road. The next step was the construction of the water mainlines, adding to the existing fire suppression system, which is being converted to the municipal potable water system. In summer 2021, the construction of the pump station was started on the Atkinson/Plaistow town line and service connections to individual properties began. On August 30, 2022, water mains construction were completed and initialization of service connections in Plaistow were completed;

- Town staff have actively been involved with organizations that provide education on stormwater and low impact development issues;
- The Town continues to participate in and host Household Hazardous Waste collection events. The Town participated in the Household Hazardous Waste collection day event on October 17, 2021 in Chester and hosted the Plaistow Household Hazardous Waste collection event on April 30, 2022;
- Informational brochures on protection of groundwater and surface water resources are typically handed out at the Household Hazardous Waste collection events; however, this practice was temporarily suspended in 2021 due to Covid 19 social distancing restrictions;
- Plaistow Pride Day was held on April 22, 2022 to remove litter from roadsides, parks, and public spaces;
- The Town continues to distribute public information on stormwater protection in hard copy and electronically (via the Town's website and Facebook page);
- Town officials have collaborated to better define the ongoing decision-making processes that affect the Town's infrastructure and water quality;
- The Board of Selectmen hosted a booth at Old Home Day in June 2022 including flyers and handouts promoting stormwater and septic system maintenance;
- Town Highway Department conducted pre-winter staff meeting in 2021 - discussed salt usage, storage/handling of salt, any other spills and how to handle. Highway Department staff are trained periodically in the Green SnowPro training in Keene, NH;
- Town maintained dog waste collection stations in 2021-2022 – located at the cemetery, the Town Hall, Ingalls Terrace Park, the Town Forest, and at Old County Road PARC facility;
- The Town hosts an annual Arbor Day celebration that includes the Pollard School 5th graders, the Conservation Commission, and the Board of Selectmen. The Conservation Commission picks an Arbor Day theme and then the 5th graders write poems based on the theme. Typically the 5th graders meet with Conservation Commission representatives, BOS representatives, and the Town Manager to plant a tree. Due to COVID-19 the tree planting ceremony was canceled for 2020-2022.

Part III: 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

If yes, describe below, including any relevant impairments or TMDLs:

There were no changes to receiving waters or impairments since the NOI was submitted. However, multiple changes were made to the list of outfalls after completing dry weather investigations in May and June 2021. Changes to the list of outfalls are summarized below:

- BB-OF1 was removed as a listed outfall as it is property of Timberlane Regional School and not maintained by the Town.
- BB-OF2 was removed as a listed outfall due to its new identification as a detention pond.
- KBT1-OF2 was removed as a listed outfall due to its new identification as a culvert.
- KBT1-OF3M was removed as a listed outfall due to its new identification as a culvert.
- LR-OF22 was removed as a listed outfall due to its new identification as an interconnection.
- LR-OF23 was removed as a listed outfall due to its new identification as an interconnection.
- LRT2-OF1 was removed as a listed outfall as it has been removed during stormwater infrastructure work.
- MB-OF3 was removed as a listed outfall as it is not an outfall.
- SB-OF8 was removed as a listed outfall as it is not an outfall.
- SBT3-OF6 was removed as a listed outfall as it is not an outfall.
- SBT3-OF7 was removed as a listed outfall as it is not an outfall.

Part IV: Minimum Control Measures

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

MCM1: Public Education

Number of educational messages completed **during this reporting period:**

Below, report on the educational messages completed **during this reporting period**. For the measurable goal(s) please describe the method/measures used to assess the overall effectiveness of the educational program.

BMP:Informational brochure for dog waste

Message Description and Distribution Method:

Pet waste and water quality brochure - Distributed at Town Clerk's office, distributed to pet owners as part of dog registration, and posted on Town Website (https://www.plaistow.com/sites/g/files/vyhlf1071/f/uploads/plaistow_pet_waste.pdf)

Targeted Audience:

Responsible Department/Parties:

Measurable Goal(s):

Message Date(s):

Message Completed for: Appendix F Requirements Appendix H Requirements

Was this message different than what was proposed in your NOI? Yes No

If yes, describe why the change was made:

BMP:Informational brochure for owner's of septic systems

Message Description and Distribution Method:

NHDES Fact Sheet "You and your septic system A homeowner's guide to septic system maintenance" - Posted on Town website (https://www.plaistow.com/sites/g/files/vyhlf1071/f/uploads/septic_info_nh_des.pdf). Septic system information was also scheduled to be provided to homeowners as part of Old Home Day June 18, 2022.

Targeted Audience:

Responsible Department/Parties:

Measurable Goal(s):

Distribute message to owner's of septic systems about proper maintenance

Message Date(s): 07/01/2019 - 06/30/2022

Message Completed for: Appendix F Requirements Appendix H Requirements Was this message different than what was proposed in your NOI? Yes No

If yes, describe why the change was made:

BMP: Wastewater Discharge from Vehicle Washing Brochure

Message Description and Distribution Method:

NHDES Fact Sheet Wastewater Discharges from Vehicle Washing - posted publicly on Town Website (<https://www.plaistow.com/sites/g/files/vyhlif1071/f/uploads/dwgb-22-10.pdf>)

Targeted Audience: Businesses, institutions and commercial facilities

Responsible Department/Parties: Building Department

Measurable Goal(s):

Distribute at least two educational messages to each targeted audience during the permit term.

Message Date(s): 07/01/2019 - 06/30/2021

Message Completed for: Appendix F Requirements Appendix H Requirements Was this message different than what was proposed in your NOI? Yes No

If yes, describe why the change was made:

BMP: Fueling and Maintenance BMPs for Earthmoving Equipment

Message Description and Distribution Method:

NHDES Fact Sheet Best Management Practices for Fueling and Maintenance of Excavation and Earthmoving Equipment - posted publicly on Town Website (<https://www.plaistow.com/sites/g/files/vyhlif1071/f/uploads/dwgb-22-6.pdf>)

Targeted Audience: Businesses, institutions and commercial facilities

Responsible Department/Parties: Building Department

Measurable Goal(s):

Distribute at least two educational messages to each targeted audience during the permit term.

Message Date(s): 07/01/2019 - 06/30/2021

Message Completed for: Appendix F Requirements Appendix H Requirements Was this message different than what was proposed in your NOI? Yes No

If yes, describe why the change was made:

BMP: Holding Tanks for Floor Drains

Message Description and Distribution Method:

NHDES Fact Sheet Best Management Practices related to Holding Tanks for Floor Drains - posted publicly on Town Website (<https://www.plaistow.com/sites/g/files/vyhlf1071/f/uploads/dwgb-22-8.pdf>)

Targeted Audience: Industrial facilities

Responsible Department/Parties: Building Department

Measurable Goal(s):

Distribute at least two educational messages to each targeted audience during the permit term

Message Date(s): 05/01/2016 - 6/30/2021

Message Completed for: Appendix F Requirements Appendix H Requirements Was this message different than what was proposed in your NOI? Yes No

If yes, describe why the change was made:

BMP: Wastewater Discharges from Vehicle Washing

Message Description and Distribution Method:

NHDES Fact Sheet Best Management Practices related to Wastewater Discharges from Vehicle Washing - posted publicly on Town Website (<https://www.plaistow.com/sites/g/files/vyhlf1071/f/uploads/dwgb-22-10.pdf>).

Targeted Audience: Businesses, institutions and commercial facilities

Responsible Department/Parties: Building Department

Measurable Goal(s):

Distribute at least two educational messages to each targeted audience during the permit term

Message Date(s): 05/01/2016 - 06/30/2021

Message Completed for: Appendix F Requirements Appendix H Requirements Was this message different than what was proposed in your NOI? Yes No

If yes, describe why the change was made:

BMP: Preventing Groundwater Contamination at Gas Stations- What Municipalities and Water Suppliers

Message Description and Distribution Method:

NHDES Fact Sheet Best Management Practices related to Preventing Groundwater Contamination at Gas Stations - posted publicly on Town Website (<https://www.plaistow.com/sites/g/files/vyhlf1071/f/uploads/dwgb-22-20.pdf>).

Targeted Audience: Businesses, institutions and commercial facilities

Responsible Department/Parties: Building Department

Measurable Goal(s):

Distribute at least two educational messages to each targeted audience during the permit term.

Message Date(s): 05/01/2016 - 06/30/2021

Message Completed for: Appendix F Requirements Appendix H Requirements Was this message different than what was proposed in your NOI? Yes No

If yes, describe why the change was made:

BMP: The Solution to Stormwater Pollution

Message Description and Distribution Method:

USEPA Informational Brochure describing ways to prevent stormwater pollution sourced from residential homes - posted publicly on Town Website (https://www.plaistow.com/sites/g/files/vyhlf1071/f/uploads/solutions_to_stormwater_pollution.pdf).

Targeted Audience: Residents

Responsible Department/Parties: Building Department

Measurable Goal(s):

Distribute at least two educational messages to each targeted audience during the permit term.

Message Date(s): 05/01/2016 - 06/30/2021

Message Completed for: Appendix F Requirements Appendix H Requirements Was this message different than what was proposed in your NOI? Yes No

If yes, describe why the change was made:

BMP: Stormwater Best Management Practice - Concrete Washout

Message Description and Distribution Method:

USEPA Brochure related to Stormwater Best Management Practices, specifically Concrete Washout - posted publicly on Town Website (<https://www3.epa.gov/npdes/pubs/concretewashout.pdf>).

Targeted Audience: Developers (construction)

Responsible Department/Parties: Building Department

Measurable Goal(s):

Distribute at least two educational messages to each targeted audience during the permit term.

Message Date(s): 07/01/2020 - 06/30/2021

Message Completed for: Appendix F Requirements Appendix H Requirements Was this message different than what was proposed in your NOI? Yes No

If yes, describe why the change was made:

BMP: Stormwater Best Management Practices - Silt Fences

Message Description and Distribution Method:

USEPA Brochure related to Stormwater Best Management Practices, specifically pertaining to the use of Silt Fences - posted publicly on Town Website (<https://www3.epa.gov/npdes/pubs/siltfences.pdf>).

Targeted Audience: Developers (construction)

Responsible Department/Parties: Building Department

Measurable Goal(s):

Distribute at least two educational messages to each targeted audience during the permit term

Message Date(s): 07/01/2020 - 06/30/2021

Message Completed for: Appendix F Requirements Appendix H Requirements

Was this message different than what was proposed in your NOI? Yes No

If yes, describe why the change was made:

BMP: Protecting Groundwater from Floor Drains and Other Typical Discharges

Message Description and Distribution Method:

NHDES Fact Sheet related to the Protection of Groundwater from Floor Drains and Other Typical Discharges - publicly displayed on Town Website (<https://www.plaistow.com/sites/g/files/vyhlif1071/f/uploads/dwgb-22-9.pdf>).

Targeted Audience: Industrial facilities

Responsible Department/Parties: Building Department

Measurable Goal(s):

Distribute at least two educational messages to each targeted audience during the permit term

Message Date(s): 05/1/2016 - 06/30/2021

Message Completed for: Appendix F Requirements Appendix H Requirements

Was this message different than what was proposed in your NOI? Yes No

If yes, describe why the change was made:

Add an Educational Message

MCM2: Public Participation

Describe the opportunity provided for public involvement in the development of the Stormwater Management Program (SWMP) **during this reporting period:**

The Plaistow Stormwater Management Plan is posted publicly on the Town website (https://www.plaistow.com/sites/g/files/vyhlif1071/f/uploads/ms4_plaistow_stormwater_management_program_06292022.pdf). The activities of the Plaistow Stormwater

Task Force which is responsible for developing and implementing the Town's stormwater management program are reported publicly in the Town's annual report which is available in hard copy at the Town clerk's office and posted on the Town's website (https://www.plaistow.com/sites/g/files/vyhlif1071/f/uploads/104268_plaistow-town_report_2021_final_pdf.pdf). Public comment on the Town's stormwater program is encouraged.

Was this opportunity different than what was proposed in your NOI? Yes No

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

There were public hearings held for multiple Subdivision, New Site Plans, Amended Site Plans, Lot Line Adjustments, Lot Consolidations, and Conditional Use Permit applications submitted to the Plaistow Planning board during the reporting period. Stormwater design under the Town's stormwater management program was discussed at these public hearings.

MCM3: Illicit Discharge Detection and Elimination (IDDE)

Sanitary Sewer Overflows (SSOs)

Check off the box below if the statement is true.

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

*Below, report on the number of SSOs identified in the MS4 system and removed **during this reporting period.***

Number of SSOs identified:

Number of SSOs removed:

MS4 System Mapping

Optional: Provide additional status information regarding your map:

Initial catchment delineations are complete, mapping of open channel conveyances and stormwater treatment structures is an ongoing effort and is planned to be completed in 2022-2023. Attempts are being made to complete an inventory of privately owned stormwater treatment structures as well.

Screening of Outfalls/Interconnections

If conducted, please submit any outfall monitoring results from 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. Please also include the updated inventory and ranking of outfalls/interconnections based on monitoring results.

- No outfalls were inspected
 The outfall screening data is attached to the email submission
 The outfall screening data can be found at the following website:

*Below, report on the number of outfalls/interconnections screened **during this reporting period.***

Number of outfalls screened:

*Below, report on the percent of total outfalls/ interconnections screened **to date**.*

Percent of outfalls screened:

Optional: Provide additional information regarding your outfall/interconnection screening:

All outfalls were initially screened in 2021 and follow up actions were recommended for 11 outfalls and 2 interconnections. There was no evidence of any illicit discharge in any outfall or interconnection. Additional screening was conducted in July 2022 and further screening is planned in 2022/2023. The additional screening information will be reported with the Year 5 Annual Report

Catchment Investigations

If conducted, please submit all data collected during this reporting period as part of the dry and wet weather investigations. Also include the presence or absence of System Vulnerability Factors for each catchment.

- No catchment investigations were conducted
- The catchment investigation data is attached to the email submission
- The catchment investigation data can be found at the following website:

*Below, report on the number of catchment investigations completed **during this reporting period**.*

Number of catchment investigations completed this reporting period:

*Below, report on the percent of catchments investigated **to date**.*

Percent of total catchments investigated:

Optional: Provide any additional information for clarity regarding the catchment investigations below:

All Town-owned/maintained outfalls and interconnections were screened in May 2021 through June 2021. Preliminary catchment investigations were completed for all outfalls/interconnections with documented dry weather flows. Follow up catchment investigations were completed in July 2022 and will be reported in the Year 5 Annual Report. Previously completed catchment investigation information is included in the attached documents.

IDDE Progress

If illicit discharges were found, please submit a document describing work conducted over this reporting period, and cumulative to date, 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.

- No illicit discharges were found
- The illicit discharge removal report is attached to the email submission
- The illicit discharge removal report can be found at the following website:

*Below, report on the number of illicit discharges identified and removed, along with the volume of sewage removed **during this reporting period**.*

Number of illicit discharges identified: Number of illicit discharges removed: Estimated volume of sewage removed: gallons/day

*Below, report on the total number of illicit discharges identified and removed to date. At a minimum, report on the number of illicit discharges identified and removed **since the effective date of the permit (July 1, 2018)**.*

Total number of illicit discharges identified: Total number of illicit discharges removed:

Optional: Provide any additional information for clarity regarding illicit discharges identified, removed, or planned to be removed below:

Ongoing catchment investigations are being completed at outfalls/interconnections where dry weather flows have been documented and the flow source has not been identified. In some instances a piped connection has been made to the MS4 that is not Town infrastructure (i.e. residential drain pipe) and those connections are being further investigated. Field observations and sampling results have not indicated any illicit discharges in the Town's MS4. See attached documentation.

Employee Training

Describe the frequency and type of employee training conducted **during this reporting period:**

IDDE Training was completed in March 2022 as part of the Plaistow Stormwater Task Force spring meeting. The Town's consultant conducted the training which was presented to the stormwater task force that consists of representatives of the Town's Planning, Health, Highway, and Building Safety Departments, the Town Manager's Office, and the Town Conservation Commission. Annual Training will be completed again in the winter/spring meeting of the stormwater task force in 2023.

MCM4: Construction Site Stormwater Runoff Control

*Below, report on the construction site plan reviews, inspections, and enforcement actions completed **during this reporting period**.*

Number of site plan reviews completed: Number of inspections completed: Number of enforcement actions taken:

Optional: Enter any additional information relevant to construction site plan reviews, inspections, and enforcement actions:

Stormwater controls were reviewed as part of multiple Subdivision, New Site Plans, Amended Site Plans, Lot Line Adjustments, Lot Consolidations, and Conditional Use Permit applications reviewed by the Plaistow Planning Board during the reporting period. Projects included:

-North Ave - 14-Lot Standard Subdivision

- 214 Plaistow Rd – 301,000SF Warehouse (New Construction)
- 27 Plaistow Rd – Demolish existing retail and replace with 3,550SF New Construction retail
- 233 Main St – Re-establishment of Salvage Yard use
- 26 Plaistow Rd – Demolish existing retail and replace with 9,887SF Medical (freestanding ER)
- Palmer Woods (Stephen C. Savage Way) – 16-Unit Planned Residential Development

MCM5: Post-Construction Stormwater Management in New Development and Redevelopment

Ordinance or Regulatory Mechanism

Date update was completed (due in year 3):

As-built Drawings

*Below, report on the number of as-built drawings received **during this reporting period.***

Number of as-built drawings received:

Optional: Enter any additional information relevant to the submission of as-built drawings:

Article XVIA (Storm Water – Post Construction) of the Plaistow Zoning Ordinance has requirements for submission of as-built drawings and measures to ensure long term operation and maintenance of completed construction sites. Part 220-117.3. Design Standards requires permanent stormwater management design criteria as part of the development proposal, requires construction drawings including the identification of permanent stormwater/sedimentation control measures, and requires the submission of a stormwater management report including identification of all permanent control measures and responsibility for continued maintenance. Also required is a narrative description of ongoing construction and operational maintenance requirements for water quality measures required by stormwater management and erosion control and sediment control plans after final Planning Board approval to be recorded on the deed.

The Town's Storm water-post construction zoning ordinance was updated in 2022 and will be updated again in 2022/2023 to include additional requirements in Parts 2.3.5.3 and 2.3.6 of the 2017 MS4 Permit.

Retrofit Properties Inventory

Below, list the permittee-owned properties that could be modified or retrofitted with BMPs to mitigate impervious areas (at least 5):

Public Works Facility
 Town Hall
 Town Landfill
 PARC Facility
 Public Safety Building

MCM6: Good Housekeeping

Catch Basin Cleaning

Below, report on the number of catch basins inspected and cleaned, along with the total volume of material removed from the catch basins **during this reporting period**.

Number of catch basins inspected:

Number of catch basins cleaned:

Total volume or mass of material removed from all catch basins:

Below, report on the total number of catch basins in the MS4 system.

Total number of catch basins:

If applicable:

Report on the actions taken if a catch basin sump is more than 50% full during two consecutive routine inspections/cleaning events:

Street Sweeping

Report on the number of miles swept **during this reporting period** below.

Number of miles cleaned:

Report either the volume or weight of street sweeping materials collected **during this reporting period** below.

Volume of material removed:

Weight of material removed:

Stormwater Pollution Prevention Plan (SWPPP)

Below, report on the number of site inspections for facilities that require a SWPPP completed **during this reporting period**.

Number of site inspections completed:

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

Additional Information

Monitoring or Study Results

Results from any other stormwater or receiving water quality monitoring or studies conducted during the reporting period not otherwise mentioned above, where the data is being used to inform permit compliance or permit effectiveness must be attached.

- Not applicable
- The results from additional reports or studies are attached to the email submission
- The results from additional reports or studies can be found at the following website(s):

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 Town of Plaistow and their consultant completed annual surface water sampling at twenty one (21) locations on the impaired reach of Kelly Brook/ Little River and tributaries on November 9, 2021. Each of the sampling locations were previously sampled and determined to contain bacterial concentrations in excess of State standards for surface water. However, exceedances of E. coli, for which there is a TMDL in Kelly Brook, are infrequent and spatially limited based on annual sampling. Sampling results are included in the attached document "Plaistow Conservation Commission 2021 Sampling Results.pdf". The Plaistow Conservation Commission has planned the next round of annual surface water sampling for November 2022.

Additional Information

Optional: Enter any additional information relevant to your stormwater management program implementation during the reporting period. Include any BMP modifications made by the MS4 if not already discussed above:

COVID-19 Impacts

Optional: If any of the above year 4 requirements could not be completed due to the impacts of COVID-19, please identify the requirement that could not be completed, any actions taken to attempt to complete the requirement, and reason the requirement could not be completed below:

Activities Planned for Next Reporting Period

Please confirm that your SWMP has been, or will be, updated to comply with all applicable permit requirements including but not limited to the year 5 requirements summarized below. (Note: impaired waters and TMDL requirements are not listed below)

Yes, I agree

Annual Requirements

- Annual report submitted and available to the public
- Annual opportunity for public participation in review and implementation of SWMP
- Keep records relating to the permit available for 5 years and make available to the public
- Properly store and dispose of catch basin cleanings and street sweepings so they do not discharge to receiving waters
- Annual training to employees involved in IDDE program
- Update inventory of all known locations where SSOs have discharged to the MS4
- Continue public education and outreach program
- Update outfall and interconnection inventory and priority ranking and include data collected in connection with the dry weather screening and other relevant inspections conducted
- Implement IDDE program
- Review site plans of construction sites as part of the construction stormwater runoff control program
- Conduct site inspection of construction sites as necessary
- Inspect and maintain stormwater treatment structures
- Log catch basins cleaned or inspected
- Sweep all curbed streets at least annually
- Continue investigations of catchments associated with Problem Outfalls
- Implemented SWPPPs for all permittee owned or operated maintenance garages, public works yards, transfer stations, and other waste handling facilities
- Review inventory of all permittee owned facilities in the categories of parks and open space, buildings and facilities, and vehicles and equipment; update if necessary
- Review O&M programs for all permittee owned facilities; update if necessary
- Implement all maintenance procedures for permittee owned facilities in accordance with O&M programs
- Implement program for MS4 infrastructure maintenance to reduce the discharge of pollutants
- Enclose all road salt storage piles or facilities and implemented winter road maintenance procedures to minimize the use of road salt
- Review as-built drawings for new and redevelopment to ensure compliance with post construction bylaws, regulations, or regulatory mechanism consistent with permit requirements
- Inspect all permittee owned treatment structures (excluding catch basins)
- Identify additional permittee-owned properties that could potentially be modified or retrofitted with BMPs to reduce impervious areas so that the permittee maintains a minimum of 5 sites in their inventory, until such a time when the permittee has less than 5 sites remaining

Provide any additional details on activities planned for permit year 5 below:

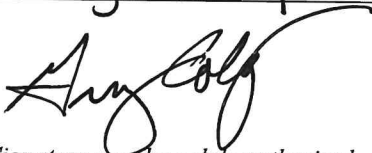
Further updates to the stormwater system mapping as well as updates to the Town's IDDE and stormwater ordinances, and updates to the Town SWMP to include updated operations and maintenance procedures are planned in Year 5.

Part V: Certification of Small MS4 Annual Report 2021

40 CFR 144.32(d) Certification

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 gather and evaluate 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, I certify that 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.

Name: Title:

Signature:  Date:

[Signatory may be a duly authorized representative]

Note: When prompted during signing, save the document under a new file name.

Annual Report Submission

Please submit the form electronically via email to EPA by clicking on one of the links below or using the email address listed below. Please ensure that all required attachments are included in the email and not attached to this PDF.

EPA: stormwater.reports@epa.gov

Paper Signature:

If you did not sign electronically above, you can print the signature page by clicking the button below.

Optional: If you did not sign electronically above, you may lock the form by clicking the "Lock Form" button below which will prompt you to save the locked version of the form. Save this locked version under a new file name.