

Year 3 Annual Report

Massachusetts Small MS4 General Permit

Reporting Period: July 1, 2020-June 30, 2021

****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, 2020 and June 30, 2021 unless otherwise requested.

Part I: Contact Information

Name of Municipality or Organization: Town of Hanover

EPA NPDES Permit Number: MAR041036

Primary MS4 Program Manager Contact Information

Name: Victor Diniak

Title: Director of Public Works

Street Address Line 1: 40 Pond Street

Street Address Line 2:

City: Hanover

State: MA

Zip Code: 02339

Email: vdiniak@hanoverdpw.org

Phone Number: (781) 826-3189

Stormwater Management Program (SWMP) Information

SWMP Location (web address): <https://www.hanover-ma.gov/stormwater-management/pages/stormwater-management-plan-and-reports>

Date SWMP was Last Updated: Jun 28, 2021

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

N/A

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)

- In State:**
☐ Assabet River Phosphorus
 ☒ Bacteria and Pathogen
 ☐ Cape Cod Nitrogen
☐ Charles River Watershed Phosphorus
 ☐ Lake and Pond Phosphorus
Out of State:
☐ Bacteria/Pathogens
 ☐ Metals
 ☐ Nitrogen
 ☐ 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 3 Requirements

- ☒ Inspected and screened all outfalls/interconnections (excluding Problem and Excluded outfalls)
☒ Updated outfall/interconnection priority ranking based on the information collected during the dry weather inspections as necessary
☒ Post-construction bylaw, ordinance, or other regulatory mechanism was updated and adopted consistent with permit requirements

Optional: If you would like to describe progress made on any incomplete requirements listed above, provide any additional information, and/or if any of the above year 3 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:

There are 12 remaining potential outfalls needed to be screened. These outfalls were attempted to be screened during Year 3, but could not be located because they may not exist or could not be located due to dense vegetation. Another attempt will be made in late fall 2021 when vegetation is less dense.

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:

N/A

- ☒ Properly stored and disposed of catch basin cleanings and street sweepings so they did not discharge to receiving waters
- ☒ Provided training to employees involved in IDDE program within the reporting period
- ☒ All curbed roadways were swept at least once within the reporting period
- ☒ Updated system map due in year 2 as necessary
- ☒ Enclosed all road salt storage piles or facilities and implemented winter road maintenance procedures to minimize the use of road salt
- ☒ Implemented SWPPPs for all permittee owned or operated maintenance garages, public works yards, transfer stations, and other waste handling facilities
- ☒ 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, provide any additional information, and/or if any of the above annual 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:

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:

Phosphorus (Combination of Impaired Waters Requirements and TMDL Requirements as Applicable)

Annual Requirements

*Public Education and Outreach**

- ☒ Distributed an annual message in the spring (April/May) encouraging the proper use and disposal of grass clippings and encouraging the proper use of slow-release and phosphorus-free fertilizers
- ☒ Distributed an annual message in the summer (June/July) encouraging the proper management of pet waste, including noting any existing ordinances where appropriate
- ☒ Distributed an annual message in the fall (August/September/October) encouraging the proper disposal of leaf litter

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

Good Housekeeping and Pollution Prevention for Permittee Owned Operations

- ☒ Increased street sweeping frequency of all municipal owned streets and parking lots subject to Permit part 2.3.7.a.iii.(c) to a minimum of two times per year (spring and fall)

Potential structural BMPs

- ☐ Any structural BMPs already existing or installed in the regulated area by the permittee or its agents was tracked and the phosphorus removal by the BMP was estimated consistent with Attachment 3 to Appendix F. The BMP type, total area treated by the BMP, the design storage volume of the BMP and the estimated phosphorus removed in mass per year by the BMP were documented.

- ☐ The BMP information is attached to the email submission
- ☐ The BMP information can be found at the following website:

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:

Solids, Oil and Grease (Hydrocarbons), or Metals

Annual Requirements

Good Housekeeping and Pollution Prevention for Permittee Owned Operations

- ☒ Increased street sweeping frequency of all municipal owned streets and parking lots to a schedule that targets areas with potential for high pollutant loads
- ☒ Prioritized inspection and maintenance for catch basins to ensure that no sump shall be more than 50 percent full; Cleaned catch basins more frequently if inspection and maintenance activities indicated excessive sediment or debris loadings

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 has inspected and cleaned all 2,472 catch basins to ensure that no sump shall be more than 50 percent full in accordance with solids, oils, and grease annual requirements. Catch basins on Winter Street were cleaned twice due to loading from P.A. Landers Operations.

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

The Town cleans all their catch basins annually and no catch basins have been identified that are greater than 50 percent full.

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:

Three outfalls were removed from the Town's MS4 Outfall inventory (CP-55-O, 396-O, 410-O), because based on field investigations they do not exist.

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: School curriculum, programs, press release, social media post

Message Description and Distribution Method:

School Program: Stormwater and conservation messaging - Groundwater model, watershed model and cleaning dirty water taught to elementary school students and parent volunteers in school program.

Targeted Audience:

Responsible Department/Parties:

Measurable Goal(s):

Due to the Covid-19 pandemic, the school program had to go virtual. Environmental Educator Brian Taylor created videos on the school program content that teachers used with their students. The teachers also had a Watershed Jeopardy game to play with the students. All of the teachers were also given a packet of supplemental materials to go with the program.

A press release to went out to the Town, The Globe, the Patriot Ledger, Wicked Local, and the Hanover Mariner. There were 371 views on the school program web page and 270 views on the NSRWA's YouTube channel. The program was also posted on the NSRWA Facebook page .

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: Press release, social media post, flyer, web page

Message Description and Distribution Method:

Regional Rain Barrel Sale - Education about water conservation and the reduction of stormwater from impervious surfaces.

Targeted Audience:

Responsible Department/Parties: North and South Rivers Watershed Association as part of the WaterSmart reg

Measurable Goal(s):

A press release to went out to the Town, The Globe, the Patriot Ledger, Wicked Local, and the Hanover Mariner. Facebook posts were made on the NSRWA page and town connect pages. Information about the sale went out in the NSRWA E-newsletter to 10,000+ subscribers. There were 135 rain barrels sold with 12 sold to residents of Hanover.

Message Date(s): Winter/Spring 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: Special event, festival, fairs

Message Description and Distribution Method:

Gardening Green Expo - Regional event for WaterSmart South Shore Communities that provides information on how residents can reduce stormwater pollution from better landscaping practices.

Targeted Audience: Residents

Responsible Department/Parties: North and South Rivers Watershed Association as part of the WaterSmart reg

Measurable Goal(s):

Due to the Covid-19 pandemic, the Gardening Green Expo had to go virtual. NSRWA had a week long event with live sessions each day as well as prerecorded speaker videos. There were 639 live attendees, as well as 1,007 YouTube viewers. NSRWA put speaker videos online and had 4,170 web page views. They took orders for rain barrels, had downloadable water saving plant lists, and also reposted last years' speaker videos. They also had a drawing for free products and prizes including a custom water-saving garden design and 115 people registered for that drawing.

Message Date(s): February 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: Brochures and pamphlets, social media posts

Message Description and Distribution Method:

Greenscapes Guide - Digital download of landscaping techniques that reduce stormwater pollutants

(fertilizers, pesticides, herbicides)

Targeted Audience: Residents

Responsible Department/Parties: North and South Rivers Watershed Association as part of the WaterSmart reg

Measurable Goal(s):

The downloadable Greenscapes Guide was promoted online and on the NSRWA Facebook page. It was also promoted on the Hanover Connect Facebook page. There were 118 total downloads with 8 from Hanover.

Message Date(s): 7/21/20, 5/11/21

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: Social media posts

Message Description and Distribution Method:

MS4 message - Fertilizer for spring

Targeted Audience: Residents

Responsible Department/Parties: North and South Rivers Watershed Association as part of the WaterSmart reg

Measurable Goal(s):

A message about fertilizer was posted on the NSRWA Facebook page in May. The "You're Just Not Fertilizing the Lawn!" post had a reach of 32,922 people and 2,697 engagements. The post was boosted in Hanover for \$50 for 10 days with a reach of 3,073 people and 161 engagements. There were also 209 page views on the stormwater web pages.

Message Date(s): 5/19/21

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: Social media posts

Message Description and Distribution Method:

MS4 messages - Grass Clippings in June

Targeted Audience: Residents

Responsible Department/Parties: North and South Rivers Watershed Association as part of the WaterSmart reg

Measurable Goal(s):

A grass clippings message was posted on the NSRWA Facebook page in June. The grass clippings message had a reach of 121,097 people and 24,424 engagements. It was also posted to the Hanover Connect Facebook page. There were also 16 page views on the Know Before You Mow! web page, 101 page views on the Best Mowing Practices web page, and 209 page views on the stormwater web pages.

Message Date(s): 6/3/21

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: Brochures and Pamphlets, social media posts, press release

Message Description and Distribution Method:

Pet Waste Education - Printed Scoop It cards, web article, press release, and social media posts for June

Targeted Audience: Residents

Responsible Department/Parties: North and South Rivers Watershed Association as part of the WaterSmart reg

Measurable Goal(s):

Pet waste Scoop It cards were distributed to the town clerk's office (100), VCA Roberts Animal Hospital (100), Petsmart (100) and Petco (100). A post was created and posted on the NSRWA Facebook page and on the Hanover Connect Facebook page. An article was written on Addressing the Dog Waste Problem on the South Shore. This was sent to The Globe, the Patriot Ledger, Wicked Local, and the Hanover Mariner. There was also a live interview done on WATD. There were 66 page views on The Problem of Dog Waste on the South Shore web page and 243 page views on the Pet Waste Education page.

Message Date(s): 10/20/20, 6/2/21, 6/17/21

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: Press release, social media post, web page, brochure

Message Description and Distribution Method:

Septic maintenance - Maintenance of septic systems, corresponding with SepticSmart week in September

Targeted Audience: Residents

Responsible Department/Parties: North and South Rivers Watershed Association as part of the WaterSmart reg

Measurable Goal(s):

A press release on septic maintenance went out to the town, The Globe, the Patriot Ledger, Wicked Local, and the Hanover Mariner. A Facebook post was boosted in September with a \$50 ad for 10 days targeted to Hanover with a reach of 7,994 people and 321 engagements.

Message Date(s): 9/17/20

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: Social media posts**Message Description and Distribution Method:**

MS4 messages - fall leaf litter

DON'T BLOW IT! Don't blow, sweep or dump grass clippings and yard waste into streets or storm drains
social media posts

Targeted Audience: Residents

Responsible Department/Parties: North and South Rivers Watershed Association as part of the WaterSmart reg

Measurable Goal(s):

A message about leaf litter was posted on the NSRWA Facebook page in October. The Don't Blow It! message had a reach of 32,252 people and 3,431 engagements. The Facebook post was also boosted in Hanover with a \$50 ad for 10 days with a reach of 3,212 people and 143 engagements.

Message Date(s): 10/16/20

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: Brochure to be handed out with permits in towns

Message Description and Distribution Method:

Proper Sediment and Erosion Control Management - Provided by Planning, Conservation, Building Department at permit request.

Targeted Audience: Developers (construction)

Responsible Department/Parties: North and South Rivers Watershed Association as part of the WaterSmart reg

Measurable Goal(s):

A brochure entitled Construction Stormwater Pollution Prevention Guide was created and delivered to the town Building Department. These brochures are handed to people when they receive their permit.

Message Date(s): ongoing

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: Press release, social media post, web page**Message Description and Distribution Method:**

6" x 11" postcard was created and mailed to all of the Businesses, Institutions, Commercial Facilities and Industrial Facilities in Hanover. There was a checklist of best practices on dumpster maintenance for companies to use on the postcard. It also included an online contest for people who respond to the questionnaire.

Targeted Audience: Businesses, institutions and commercial facilities

Responsible Department/Parties: North and South Rivers Watershed Association as part of the WaterSmart reg

Measurable Goal(s):

There were 1,480 postcards mailed in Hanover and 2 contest entries.

Message Date(s): ongoing

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: Water for People WMA Grant

Message Description and Distribution Method:

The NSRWA also received a WMA Grant on behalf of Hanover and other WaterSmart towns. For this grant, the NSRWA produced a series of videos, an online pledge, and lawn signs on lawn watering. This campaign will continue through the end of August.

Targeted Audience: Residents

Responsible Department/Parties: North and South Rivers Watershed Association as part of the WaterSmart reg

Measurable Goal(s):

As of June 15, there have been 14,171 people reached and 373 engagements on Facebook in Hanover. There have also been 863 YouTube views.

Message Date(s): ongoing

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: Fowl Water Campaign**Message Description and Distribution Method:**

Stormwater social media video campaign called "Fowl Water" that educates residents on how "stormwater pollution is trash, oil, cigarette butts, & dog waste." Campaign is run by Think Blue Massachusetts (<https://thinkbluemassachusetts.org/>) and published with advertisements on Facebook, Instagram, & YouTube.

Targeted Audience: Residents

Responsible Department/Parties: Think Blue Massachusetts

Measurable Goal(s):

Think Blue Massachusetts reports that 17,107 people in Hanover have been reached by this campaign through Facebook and YouTube.

Message Date(s): May 17 to July 4, 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:

This outreach was developed by Think Blue on behalf of the Town to supplement outreach already noted on the NOI.

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:**

Annual review and public comment of the SWMP.

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:**

The Household Hazardous Waste Collection Day was held at the Transfer Station 10/3/2020. Hanover is a part of the South Shore Recycling Cooperative.

The Town of Hanover is a member of the North and South Rivers Watershed Association.

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:

The Town does not have any known interconnections.

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 outfalls/interconnections screened **to date**.*

Percent of outfalls screened:

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

There are 12 remaining potential outfalls to be screened. These outfalls were attempted to be screened during Year 3, but were not located possibly because they do not exist or they could not be located due to dense vegetation. Another attempt to locate these outfalls will be performed in the fall 2021 when vegetation should be less dense.

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:

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:

Employee Training

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

Training with DPW staff on May 24 to review Town facility and BMP conditions, review good housekeeping procedures (including proper storage of materials, maintenance of BMPs, cleaning and maintenance of catch basins) and LID. Additional stormwater training with DPW staff was provided in September 2021, after delays and safety concerns related to COVID-19.

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:

Developments requiring Site Plan review from the Planning Board are required to undergo Stormwater Management Review. Plans are submitted to an engineering firm specializing in Stormwater Management for peer review.

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

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:

Street Design and Parking Lots Report

Describe the status of the street design and parking lots assessment due in year 4 of the permit term, including any planned or completed changes to local regulations and guidelines:

To be completed in Year 4.

Green Infrastructure Report

Describe the status of the green infrastructure report due in year 4 of the permit term, including the findings and progress towards making the practice allowable:

To be completed in Year 4.

Retrofit Properties Inventory

Describe the status of the inventory, due in year 4 of the permit term, of permittee-owned properties that could be modified or retrofitted with BMPs to mitigate impervious areas and report on any properties that have been modified or retrofitted:

To be completed in Year 4.

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 street sweeping completed **during this reporting period** using one of the three metrics below.*

☒ Number of miles cleaned:

☐ 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:

The Town disposed of their catch basin cleanings stockpiles that were stored at the DPW highway garage, to eliminate potential discharge from the piles into nearby waterbodies. Removed salt pile at Transfer Station to reduce salt runoff into on-site stormwater controls.

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:

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 3 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 4 requirements summarized below. (Note: impaired waters and TMDL requirements are not listed below)

Yes, I agree ☒

- Develop a report assessing current street design and parking lot guidelines and other local requirements within the municipality that affect the creation of impervious cover
- Develop a report assessing existing local regulations to determine the feasibility of making green infrastructure practices allowable when appropriate site conditions exist
- Identify a minimum of 5 permittee-owned properties that could potentially be modified or retrofitted with BMPs to reduce impervious areas

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)

Provide any additional details on activities planned for permit year 4 below:

In Year 4, the NSRWA will be completing the following outreach (in addition to NSRWA's annual initiatives):

- Parking Lot Maintenance - The NSRWA will provide education relevant to parking lot maintenance, salt storage, sweeping, catch basin cleaning, and fleet maintenance to Hanover businesses.
- Low Impact Development Information Targeted to Developers - The NSRWA will provide education relevant to reduction of impervious surfaces, use of alternatives to paving, decentralized approach to stormwater, rain gardens, swales, and bioretention area.
- WaterSmart Public Art Raffle or Contest - The NSRWA will come up with a stormwater message for residents to coincide with either an art raffle or a public contest to spread the message.

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]*