

Year 1 Annual Report

Massachusetts Small MS4 General Permit

Reporting Period: May 1, 2018-June 30, 2019

****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.

Part I: Contact Information

Name of Municipality or Organization: Town of Rockland

EPA NPDES Permit Number: MAR041058

Primary MS4 Program Manager Contact Information

Name: John Loughlin

Title: Sewer Superintendent

Street Address Line 1: 587R Summer Street

Street Address Line 2:

City: Rockland

State: MA

Zip Code: 02370

Email: jloughlj@yahoo.com

Phone Number: (781) 878-1964

Fax Number: (781) 871-1901

Stormwater Management Program (SWMP) Information

SWMP Location (web address):

Date SWMP was Last Updated: Jun 15, 2019

If the SWMP is not available on the web please provide the physical address and an explanation of why it is not posted on the web:

SWMP is located at the Highway Department (841 Market Street, Rockland MA 02370) and the Sewer Department (587R Summer Street Rockland, MA 02370); was made available June 15, 2019.

Part II: Self Assessment

First, in the box below, select the impairment(s) and/or TMDL(s) that are applicable to your MS4.

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 1 Requirements

- ☒ Develop and begin public education and outreach program
☒ Identify and develop inventory of all known locations where SSOs have discharged to the MS4 in the last 5 years
 - ☒ The SSO inventory is attached to the email submission
 - ☐ The SSO inventory can be found at the following website:☒ Develop written IDDE plan including a procedure for screening and sampling outfalls
☒ IDDE ordinance complete
☒ Identify each outfall and interconnection discharging from MS4, classify into the relevant category, and priority rank each catchment for investigation
 - ☒ The priority ranking of outfalls/interconnections is attached to the email submission
 - ☐ The priority ranking of outfalls/interconnections can be found at the following website:☒ Construction/ Erosion and Sediment Control (ESC) ordinance complete
☐ Develop written procedures for site inspections and enforcement of sediment and erosion control measures
☐ Develop written procedures for site plan review
☒ Keep a log of catch basins cleaned or inspected
☐ Complete inspection of all stormwater treatment structures

Annual Requirements

- ☒ Annual opportunity for public participation in review and implementation of SWMP
- ☒ Comply with State Public Notice requirements
- ☒ 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
- ☒ All curbed roadways have been swept a minimum of one time per year

Bacteria/ Pathogens (Combination of Impaired Waters Requirements and TMDL Requirements as Applicable)

Annual Requirements

*Public Education and Outreach**

- ☒ Annual message encouraging the proper management of pet waste, including noting any existing ordinances where appropriate
- ☐ Permittee or its agents disseminate educational material to dog owners at the time of issuance or renewal of dog license, or other appropriate time
- ☐ Provide 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)*

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

Annual Requirements

*Public Education and Outreach**

- ☒ Distribute an annual message in the spring (April/May) that encourages the proper use and disposal of grass clippings and encourages the proper use of slow-release and phosphorus-free fertilizers
- ☒ Distribute an annual message in the summer (June/July) encouraging the proper management of pet waste, including noting any existing ordinances where appropriate
- ☐ Distribute 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

- ☐ Increase 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 listed in Table 3 of Attachment 1 to Appendix H already existing or installed in the regulated area by the permittee or its agents shall be tracked and the permittee shall estimate the
- ☐ phosphorus removal by the BMP consistent with Attachment 1 to Appendix H. Document 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 in each annual report

Use the box below to input additional details on any unchecked boxes above or any additional information you would like to share as part of your self assessment:

Structural BMPs will be tracked and estimates for nutrient removal developed in accordance with Attachment 1 to Appendix H in the future.

In Year 2, The North South River Watershed Association (NSRWA) on behalf of the Town will conduct the following outreach:

- Distribute septic maintenance information via press release, social media post, web page and brochure (Appendix F Requirement)
- Distribute leaf litter information in Fall (Appendix H Requirement)

In Year 3, The NSRWA on behalf of the Town will conduct the following outreach:

- Pet waste handout given at at the time of dog licensing (Appendix F)

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:

N/A

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 the reporting period: 8

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

BMP: Gardening Green Expo

Message Description and Distribution Method:

Gardening Green Expo - Regional event for WaterSmart South Shore Communities that provides information about how residents can reduce stormwater pollution from better landscaping practices. A press release went out to the Town, The Globe, the Patriot Ledger, Wicked Local, the Rockland Mariner, and the Rockland Standard. Information about the event went out in the North South River Watershed Association (NSRWA) E-newsletter 4 times to 6,000+ subscribers each time. The videos of the speakers were added to the NSRWA website and shared online and on Facebook.

Targeted Audience: Residents

Responsible Department/Parties: North South River Watershed Association (NSRWA)

Measurable Goal(s):

Distribute at least two educational messages within the permit term (5 years).

There were 500 regional guests in attendance.

Message Date(s): February 28, 2019

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 opportunity was developed by the NSRWA on behalf of the Town of Rockland to add to the outreach detailed on the NOI.

BMP: Regional Rain Barrel Sale

Message Description and Distribution Method:

Regional Rain Barrel Sale - Education about water conservation and the reduction of stormwater from impervious surfaces. A press release to went out to the Town, The Globe, the Patriot Ledger, Wicked Local, the Rockland Mariner, and the Rockland Standard. Information about the sale went out in the NSRWA E-newsletter to 6,000+ subscribers.

Targeted Audience: Residents

Responsible Department/Parties: NSRWA

Measurable Goal(s):

Distribute at least two educational messages within the permit term (5 years).

There were 6 rain barrels sold in Rockland; there were 1,352 web page views on the NSRWA and 213 on their Rain Barrel and Composter page.

Message Date(s): April 2, 2019

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 opportunity was developed by the NSRWA on behalf of the Town of Rockland to add to the outreach detailed on the NOI.

BMP: Greenscapes Guide

Message Description and Distribution Method:

Greenscapes Guide - Digital download of landscaping techniques that reduce stormwater pollutants (fertilizers, pesticides, herbicides). It was promoted online and on the NSRWA Facebook page with a reach of 2,831 people and 187 engagements.

Targeted Audience: Residents

Responsible Department/Parties: NSRWA

Measurable Goal(s):

Distribute at least two educational messages within the permit term (5 years).

No downloads occurred from Rockland during this reporting period.

Message Date(s): May 22, 2019

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: Spring Annual Messaging

Message Description and Distribution Method:

Grass Clippings and Fertilizer Messaging for May - Facebook post with \$50 ad boost.

Targeted Audience: Residents

Responsible Department/Parties: NSRWA

Measurable Goal(s):

Distribute annual messaging in accordance with the Town's Phosphorus impairments.

The grass clippings message had a reach of 11,034 people and 472 engagements, regionally. The fertilizer message had a reach of 2,376 people and 239 engagements. Both messages were posted to the Rockland Hub Facebook page. The grass clippings Facebook post was boosted in June with a \$50 ad targeted to all WaterSmart towns with a reach of 9,678 and 266 engagements, and a \$50 ad targeted to Rockland with a reach of 2,749 and 607 engagements.

Message Date(s): May 22, 2019; May 28, 2019

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: Pet Waste Education/Summer Annual Messaging

Message Description and Distribution Method:

Pet Waste Education - Printed Scoop It cards, web article, press release, and social media posts for June. Pet waste Scoop It cards were distributed to the town clerk's office (100), Hair Club for Pets (100), and For Your Paws Only Grooming (100). An article was written on The Problem of Dog Waste on the South Shore. This was sent to the Globe, the Patriot Ledger, Wicked Local. A press release went out to Rockland, The Globe, the Patriot Ledger, Wicked Local, the Rockland Mariner, and the Rockland Standard. The Patriot Ledger wrote a feature on it from the NSRWA press release, and WATD did an on-air interview. It was posted on the NSRWA Facebook page with a reach of 1,556 people and 197 engagements, and on the Rockland Hub Facebook page. Summer annual messaging about proper management of pet waste.

Targeted Audience: Residents

Responsible Department/Parties: NSRWA

Measurable Goal(s):

Distribute annual messaging in accordance with the Town's Bacteria & Pathogen impairment and TMDL and Phosphorus impairment.

453 regional web page views on The Problem of Dog Waste on the South Shore; 22 web page views on Pet Waste Education page; 202 web page views on Addressing the Elephant in the Room - Dog Waste on the South Shore.

Message Date(s): June 13, 2019

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: School Program

Message Description and Distribution Method:

School Program on stormwater and conservation messaging - Groundwater model, watershed model and cleaning dirty water taught to elementary school students and parent volunteers in school program. The program ran for two (2) days and there were 138 students and 24 parent volunteers. A press release went out to the town, the Globe, the Patriot Ledger, Wicked Local, the Rockland Mariner, and the Rockland Standard.

Targeted Audience: Residents

Responsible Department/Parties: NSRWA

Measurable Goal(s):

Distribute at least two educational messages within the permit term (5 years).

In a sample survey, 85% of the students and 80% of the parents reported having a greater understanding of where their water comes from AFTER the program, 85% of the students and 80% of the parents reported having a greater understanding of the importance of conserving water AFTER the program, and 80% of the students and parents reported having a greater understanding of how pollutants and runoff affect the quality of water AFTER the program.

Message Date(s): June 10, 2019

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 opportunity was developed by the NSRWA on behalf of the Town of Rockland to add to the outreach detailed on the NOI.

BMP: Fowl Water Campaign

Message Description and Distribution Method:

"Stormwater pollution is trash, oil, cigarette butts & dog waste" messaging in Think Blue MA's "Fowl Water" video and advertisement campaign on Facebook, Instagram and YouTube.

Targeted Audience: Residents

Responsible Department/Parties: NSRWA

Measurable Goal(s):

Distribute at least two educational messages within the permit term (5 years).

10,493 people reached on Facebook/Instagram; 9,251 people reached on YouTube.

Message Date(s): June 23, 2019 - July 12, 2019

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 opportunity was developed by the NSRWA and ThinkBlue on behalf of the Town of Rockland to add to the outreach detailed 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 the reporting period:

Annual review and public comment of the SWMP; MS4 permit meeting held on 6/26/2019.

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

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

Sponsored annual community cleanup days (April 13, 2019)

MCM3: Illicit Discharge Detection and Elimination (IDDE)

Sanitary Sewer Overflows (SSOs)

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

Number of SSOs identified: 0

Number of SSOs removed: 0

Below, report on the total number of SSOs identified in the MS4 system and removed to date. At a minimum, report SSOs identified since 2013.

Total number of SSOs identified: 0

Total number of SSOs removed: 0

MS4 System Mapping

Describe the status of your MS4 map, including any progress made during the reporting period:

Previously for Phase 1 mapping, Rockland updated its outfalls and receiving waters, updated its water bodies identified by name and indication of all use impairments and preformed initial catchment delineations.

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.

- ☐ 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: 0

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

Percent of total outfalls screened: 38%

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.

- ☐ 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: 0

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

Percent of total catchments investigated: 0

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.

- ☐ The illicit discharge removal report is attached to the email submission
- ☒ The illicit discharge removal report can be found at the following website:

N/A -- No IDDE investigations conducted.

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: [UNITS]

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.

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:

Rockland has hired a consulting firm to conduct IDDE investigations during fiscal year 2020. For 51 MS4 outfalls (out of the Town's 133 outfalls), the firm will conduct dry weather screening and record information including outfall diameter, material, condition, storm sewer connectivity and receiving water, and flow and sediment descriptions. For outfalls that are flowing, temperature, dissolved oxygen, salinity, specific conductance, pH, biological oxygen demand, total Phosphorus, total residual Chlorine, Ammonia as Nitrogen, Surfactants and E. Coli will be tested, as well as additional parameters required based on waterbody or watershed impairments and TMDLs.

Employee Training

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

Annual IDDE implementation training.

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:

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

Describe the status of the post-construction ordinance required to be complete in year 2 of the permit term:

None to date.

As-built Drawings

Describe the status of the measures the MS4 has utilized to require the submission of as-built drawings and ensure long term operation and maintenance of completed construction sites required to be complete in year 2 of the permit term:

None to date.

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:

None to date.

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:

None to date.

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:

None to date.

MCM6: Good Housekeeping

Catch Basin Cleaning

Describe the status of the catch basin cleaning optimization plan:

During Year 1 of this Permit, the Town evaluated its current catch basin cleaning schedule and procedure. During



If complete, attach the catch basin cleaning optimization plan or the schedule to gather information to develop the optimization plan:

- ☐ The catch basin cleaning optimization plan or schedule is attached to the email submission
- ☐ The catch basin cleaning optimization plan or schedule can be found at the following website:

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, if known.

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:

Increase frequency of cleanings and inspections.

Street Sweeping

Describe the status of the written procedures for sweeping streets and municipal-owned lots:

Being drafted.

Report on street sweeping completed during the reporting period using one of the three metrics below.

☐ Number of miles cleaned: 150 miles (including

☐ Volume of material removed: [UNITS]

☒ Weight of material removed: 110 Tons

If applicable:

For rural uncurbed roadways with no catch basins, describe the progress of the inspection, documentation, and targeted sweeping plan:

The process follows sweeping procedures.

Winter Road Maintenance

Describe the status of the written procedures for winter road maintenance including the storage of salt and sand:

Being drafted.

Inventory of Permittee-Owned Properties

Describe the status of the inventory, due in year 2 of the permit term, of permittee-owned properties, including parks and open spaces, buildings and facilities, and vehicles and equipment, and include any updates:

Will begin drafting in Spring of 2020.

O&M Procedures for Parks and Open Spaces, Buildings and Facilities, and Vehicles and Equipment

Describe the status of the operation and maintenance procedures, due in year 2 of the permit term, of permittee-owned properties (parks and open spaces, buildings and facilities, vehicles and equipment) and include maintenance activities associated with each:

Being drafted.

Stormwater Pollution Prevention Plan (SWPPP)

Describe the status of any SWPPP, due in year 2 of the permit term, for permittee-owned or operated facilities including maintenance garages, public works yards, transfer stations, and other waste handling facilities where pollutants are exposed to stormwater:

Being drafted.

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:

N/A

O&M Procedures for Stormwater Treatment Structures

Describe the status of the written procedure for stormwater treatment structure maintenance:

Being drafted.

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:

N/A

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:

A consulting company was hired to review and provide recommendations on Rockland's existing stormwater bylaws, including Construction/Post-Construction Site Stormwater Runoff Control and Illicit Discharge Detection and Elimination (IDDE) bylaws. Additionally, the consulting company has updated the Town's SWMP.

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

Yes, I agree ☒

- Complete system mapping Phase I
- Begin investigations of catchments associated with Problem Outfalls
- Develop or modify an ordinance or other regulatory mechanism for post-construction stormwater runoff from new development and redevelopment
- Establish and implement written procedures to require the submission of as-built drawings no later than two years after the completion of construction projects
- Develop, if not already developed, written operations and maintenance procedures
- Develop an inventory of all permittee owned facilities in the categories of parks and open space, buildings and facilities, and vehicles and equipment; review annually and update as necessary
- Establish a written program detailing the activities and procedures the permittee will implement so that the MS4 infrastructure is maintained in a timely manner
- Develop and implement a written SWPPP for maintenance garages, public works yards, transfer stations, and other waste handling facilities where pollutants are exposed to stormwater
- Enclose or cover storage piles of salt or piles containing salt used for deicing or other purposes
- Develop, if not already developed, written procedures for sweeping streets and municipal-owned lots
- Develop, if not already developed, written procedures for winter road maintenance including storage of salt and sand
- Develop, if not already developed, a schedule for catch basin cleaning
- Develop, if not already developed, a written procedure for stormwater treatment structure maintenance

- Develop a written catchment investigation procedure (*18 months*)

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 in the last 5 years
- 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 uncurbed streets at least annually

Provide any additional details on activities planned for permit year 2 below:

Rockland has hired a consulting company to complete the required Year 2 SOPs, BMP site visits and inspections and IDDE investigations.

The Town will continue to work with the North South River Watershed Association on education and outreach opportunities.

Part V: Certification of Small MS4 Annual Report 2019

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]*

Year 2 Annual Report

Massachusetts Small MS4 General Permit

Reporting Period: July 1, 2019-June 30, 2020

****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, 2019 and June 30, 2020 unless otherwise requested.

Part I: Contact Information

Name of Municipality or Organization: Town of Rockland

EPA NPDES Permit Number: MAR041058

Primary MS4 Program Manager Contact Information

Name: Dave Taylor

Title: Highway Superintendent

Street Address Line 1: 841 Market Street

Street Address Line 2:

City: Rockland

State: MA

Zip Code: 02370

Email: dtaylor@rockland-ma.gov

Phone Number: (781) 878-0634

Stormwater Management Program (SWMP) Information

SWMP Location (web address):

Date SWMP was Last Updated: September 2020

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

SWMP is located at the Highway Department (841 Market Street, Rockland MA 02370) and the Sewer Department (587R Summer Street Rockland, MA 02370); it was made available to the public on June 15, 2019.

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)			
<i>In State:</i>	☐ Assabet River Phosphorus	☒ Bacteria and Pathogen	☐ Cape Cod Nitrogen
	☐ Charles River Watershed Phosphorus	☐ Lake and Pond Phosphorus	
<i>Out of State:</i>	☐ 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 2 Requirements

- ☐ Completed Phase I of system mapping
- ☒ Developed a written catchment investigation procedure and added the procedure to the SWMP
- ☒ Developed written procedures to require the submission of as-built drawings and ensure the long term operation and maintenance of completed construction sites and added these procedures to the SWMP
- ☒ Enclosed or covered storage piles of salt or piles containing salt used for deicing or other purposes
- ☒ Developed written operations and maintenance procedures for parks and open space, buildings and facilities, and vehicles and equipment and added these procedures to the SWMP
- ☒ Developed an inventory of all permittee owned facilities in the categories of parks and open space, buildings and facilities, and vehicles and equipment and added this inventory to the SWMP
- ☒ Completed a written program for MS4 infrastructure maintenance to reduce the discharge of pollutants
 - Developed written SWPPPs, included in the SWMP, for all of the following permittee owned or
 - ☒ operated facilities: maintenance garages, public works yards, transfer stations, and other waste handling facilities where pollutants are exposed to stormwater

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 2 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:

Written operation and maintenance plan, inventory of facilities, written program for MS4 infrastructure maintenance, and SWPPPs were all started during Year 2 and have since been finished; the field work needed to complete this work was delayed due to COVID-19 concerns. The SWMP will be updated in Year 3 to

include the reports developed during Year 2.

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:
- ☒ 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 outfall and interconnection inventory and priority ranking as needed

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:

In Year 3, on behalf of Rockland the NSRWA will be completing the following outreach:

- Pet waste handout/mailer to go with dog licensing & distributed at local veterinarian offices and local pet stores & WaterSmart website (Appendices F and H requirement). This was intended to be started in Year 2, but due to COVID-19, these flyers were not distributed to the town clerk's offices.

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:

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

N/A

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:

Of the 133 MS4 Outfalls in Rockland, a consulting company determined that 4 outfalls did not exist and 24 structures were not outfalls. The Town of Rockland now has an inventory of 105 MS4 Outfalls.

The 2016 Integrated List of Waters was released in Year 2 of the MS4 Permit and replaced the 2014 Integrated List of Waters. As such, the following water quality impairments within the MS4 area in Rockland have been updated: The Old Swamp River (MA74-03) has a new E. Coli impairment (Category 5); Cushing Brook (MA94-40) has a new E. Coli impairment (Category 5); and French Stream (MA94-03) has a new E. Coli impairment (Category 5).

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 around stormwater and conservation. 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 the 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, the Rockland Mariner, and Rockland Standard. There were 535 views on the school program web page. The program was also posted on the NSRWA Facebook page with a reach of 884 people and 83 engagements.

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:

Annual Regional Rain Barrel Sale including 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, the Rockland Mariner, and the Rockland Standard. Facebook posts were made on the NSRWA page, Rockland Hub and Reimagine Rockland. Information about the sale went out in the NSRWA E-newsletter to 7,800+ subscribers. There were 60 rain barrels sold with 3 sold to residents of Rockland.

Message Date(s): March 5, 2020

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: a 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 put speaker videos online and had 2,399 web page views. NSRWA took orders for rain barrels, had downloadable water saving plant lists, and also reposted last years speaker videos. They also had a drawing for a custom water saving garden design and 38 people registered for that drawing.

Message Date(s): March 12, 2020

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):

Due to the Covid-19 pandemic, the Greenscapes Guide could not be handed out at Gardening Green Expo. The downloadable Greenscapes Guide was promoted online and on the NSRWA Facebook page. It was also promoted on the Rockland Hub and Reimagine Rockland Facebook pages. There was 1 download from Rockland. NSRWA also held a How to Build a Rain Garden Zoom webinar with 25 attendees.

Message Date(s): June 25, 2020

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 messaging involving fertilizing.

Targeted Audience: Residents

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

Measurable Goal(s):

A fertilizer message called "Don't P on You Lawn" was posted on the NSRWA Facebook page in June with a reach of 23,001 people and 2,183 engagements. It was also posted on the Rockland Hub and Reimagine Rockland Facebook pages. The Facebook post was boosted in June with a \$50 ad targeted to Rockland with a reach of 1,907 people and 248 engagements. There were also 19 page views on the Know Before You Mow! web page, 106 page views on the Best Mowing Practices web page, and 172 page views on the Stormwater web page. NSRWA also hosted a Zoom webinar on Stormwater in May with 17 attendees.

Message distributed in accordance to the Town's Phosphorus impairment requirements.

Message Date(s): May 13, 2020

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 messaging involving grass clippings.

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 called "Know before you Mow!" was posted on the NSRWA Facebook page in June with a reach of 119,638 people and 24,325 engagements. It was also posted to the Rockland Hub and Reimagine Rockland Facebook pages. The Facebook post was boosted in June with a \$50 ad targeted to Rockland with a reach of 12,468 people and 674 engagements. There were also 19 page views on the Know Before You Mow! web page, 106 page views on the Best Mowing Practices web page, and 172 page views on the Stormwater web page.

Message distributed in accordance to the Town's Phosphorus impairment requirements.

Message Date(s): June 16, 2020

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):

Due to the Covid-19 pandemic, the Pet waste Scoop It cards were not distributed to town clerk's offices, vets and businesses. An article was written on The Problem of Dog Waste on the South Shore. This was sent to the town, The Globe, the Patriot Ledger, Wicked Local, the Rockland Mariner, and Rockland Standard. It was posted on the NSRWA Facebook page with a reach of 67,503 people and 10,088 engagements, and on the Rockland Hub and Reimagine Rockland Facebook pages. The Facebook post was boosted with a \$50 ad targeted to Rockland with a reach of 7,650 people and 200 engagements. There were also 453 page views on The Problem of Dog Waste on the South Shore web page, 22 page views on the Pet Waste Education page, 202 page views on the Addressing the Elephant in the Room - Dog Waste on the South Shore web page.

Message distributed in accordance to the Town's Phosphorus impairment requirements and bacteria and

pathogens TMDL and impairment requirements.

Message Date(s): June 2, 2020

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 messaging, 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 to went out to the town, The Globe, the Patriot Ledger, Wicked Local, the Rockland Mariner, and Rockland Standard. A Facebook post was boosted in September with a \$50 ad targeted to all WaterSmart towns with a reach of 27,648 people and 656 engagements, and a \$50 ad targeted to Rockland with a reach of 1,446 and 177 engagements.

Message distributed in accordance to the Town's bacteria and pathogens TMDL and impairment requirements.

Message Date(s): September 18, 2019

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 involving proper grass clippings disposal.

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 called "DON'T BLOW IT! Don't blow, sweep or dump grass clippings and yard waste into streets or storm drains" was posted on the NSRWA Facebook page in October and was boosted with a \$50 ad targeted to all WaterSmart towns with a reach of 25,444 people and 1,492 engagements. A \$50 ad targeted to Rockland had a reach of 1,563 people and 206 engagements. There were also 106 page views on the Best Mowing Practices web page, and 172 page views on the Stormwater web page.

Message distributed in accordance to the Town's Phosphorus impairment requirements.

Message Date(s): October 18, 2019

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" messaging.

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 will be handed to the person when they receive their permit. There were 750 distributed to the town of Rockland.

Message Date(s): October 2019 & onward

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:

Video contest involving video submissions to help educate the public about stormwater pollution and water conservation.

Targeted Audience: Residents

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

Measurable Goal(s):

NSRWA held/are holding a WaterSmart Video Contest through the summer of 2020. Submissions will be a 1-3 minute videos to help educate the public by creating a fun video that highlights either stormwater pollution and how to prevent it, or ways to conserve water. NSRWA partnered with Harbor Media for the contest and they provided the guidelines as well as a cash prize for the 1st place winner. All of the videos will be shared on the NSRWA and WaterSmart website pages and on social media.

Message Date(s): Summer of 2020

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 the NSRWA to supplement outreach listed on the NOI.

BMP: "Fowl Water" Social Media Campaign

Message Description and Distribution Method:

Stormwater social media video "Stormwater pollution is trash, oil, cigarette butts, and dog waste" in Think Blue Massachusetts "Fowl Water" campaign (<https://thinkbluemassachusetts.org/>). Advertisement on Facebook, Instagram, and YouTube.

Targeted Audience: Residents

Responsible Department/Parties: Think Blue

Measurable Goal(s):

Estimated 39,119 residents reached via the "Fowl Water" campaign.

Message Date(s): May 16 - June 5, 2020

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: Annual message - Proper lawn maintenance

Message Description and Distribution Method:

Think Blue Massachusetts shared posts on Facebook in the spring encouraging the proper use and disposal of

grass clippings and encouraging the proper use of slow-release fertilizers.

Targeted Audience: Businesses, institutions and commercial facilities; Residents

Responsible Department/Parties: Think Blue

Measurable Goal(s):

The Think Blue Massachusetts Facebook account has approximately 300 followers and averages approximately 3,000 reaches per month.

Distributed in accordance with the requirements for the Town of Rockland's Phosphorus impairment.

Message Date(s): Nov 1, 2019; April 28 & 30, 2020; May 14 & 22, 2020

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: Annual leaf litter message - Leaf litter & brush collection

Message Description and Distribution Method:

Think Blue Massachusetts shared posts on Facebook in fall to encourage proper disposal of leaf litter.

Targeted Audience: Residents

Responsible Department/Parties: Think Blue

Measurable Goal(s):

The Think Blue Massachusetts Facebook account has approximately 300 followers and averages approximately 3,000 reaches per month.

Distributed in accordance with the requirements for the Town of Rockland's Phosphorus impairment.

Message Date(s): Sep 26 & 27, 2020; Oct 1, 8, & 11, 2020

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: Annual pet waste message - Scoop the Poop

Message Description and Distribution Method:

Think Blue Massachusetts shared posts on Facebook in summer to encourage the proper management of pet waste.

Targeted Audience: Residents

Responsible Department/Parties: Think Blue

Measurable Goal(s):

The Think Blue Massachusetts Facebook account has approximately 300 followers and averages approximately 3,000 reaches per month.

Distributed in accordance with the requirements for the Town of Rockland's bacteria and pathogen impairment and TMDL and Phosphorus impairment.

Message Date(s): July 17, 2019; Aug 14, 2019; April 9, 14, & 16, 2020; May 13, 18, 28 & 29, 2020; June 2, 2020

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: Annual septic maintenance message**Message Description and Distribution Method:**

Think Blue Massachusetts shared posts on Facebook regarding Septic Smart week to provide information to owners of septic systems about proper maintenance.

Targeted Audience: Residents

Responsible Department/Parties: Think Blue

Measurable Goal(s):

The Think Blue Massachusetts Facebook account has approximately 300 followers and averages approximately 3,000 reaches per month.

Distributed in accordance with the requirements for the Town of Rockland's bacteria and pathogen impairment and TMDL.

Message Date(s): September 16, 2019

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: Annual winter deicing/salt message

Message Description and Distribution Method:

Think Blue Massachusetts shared posts on Facebook regarding road salt application for residential, commercial, and industrial site owners on the proper storage and application rates of winter deicing material.

Targeted Audience: Businesses, institutions and commercial facilities; Industrial; Residential

Responsible Department/Parties: Think Blue

Measurable Goal(s):

The Think Blue Massachusetts Facebook account has approximately 300 followers and averages approximately 3,000 reaches per month.

Message Date(s): Nov 14, 2019; Dec 5, 9, 13, 17, 18, 16, & 24, 2019; Jan 7, 2020

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 to supplement the outreach already listed on Rockland's 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:**

Sponsored annual community cleanup day.

Rockland is a member of the North and South River 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

Below, check all that apply.

The following elements of the Phase I map have been completed:

- ☒ Outfalls and receiving waters
- ☐ Open channel conveyances
- ☐ Interconnections
- ☒ Municipally-owned stormwater treatment structures
- ☒ Waterbodies identified by name and indication of all use impairments
- ☒ Initial catchment delineations

Optional: Describe any additional progress you made on your map during this reporting period or provide additional status information regarding your map:

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.

- ☒ 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:

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.

- ☐ 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.

- ☐ 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 the reporting period**:

The Town of Rockland completed the annual IDDE training.

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: 0

Number of inspections completed: 0

Number of enforcement actions taken: 0

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

MCM5: Post-Construction Stormwater Management in New Development and Redevelopment**Ordinance or Regulatory Mechanism**

Below, select the option that describes your ordinance or regulatory mechanism progress.

- ☒ Bylaw, ordinance, or regulations are updated and adopted consistent with permit requirements
- ☐ Bylaw, ordinance, or regulations are updated consistent with permit requirements but are not yet adopted
- ☐ Bylaw, ordinance, or regulations have not been updated or adopted

As-built Drawings

Describe the measures the MS4 has utilized to require the submission of as-built drawings and ensure long term operation and maintenance of completed construction sites:

Required under the Town's Stormwater Bylaw, Chapter 338, under Section 338-21

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: 1,833

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: 150

☐ Volume of material removed: [] [Select Units]

☐ Weight of material removed: [] [Select Units]

O&M Procedures and Inventory of Permittee-Owned Properties

Below, check all that apply.

The following permittee-owned properties have been inventoried:

- ☒ Parks and open spaces
- ☒ Buildings and facilities
- ☒ Vehicles and equipment

The following O&M procedures for permittee-owned properties have been completed:

- ☒ Parks and open spaces
- ☒ Buildings and facilities
- ☒ Vehicles and equipment

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: 2

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

N/A

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 2 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:

Field work required to complete some Year 2 requirements were delayed due to COVID-19 safety concerns.

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

Yes, I agree ☒

- Inspect all outfalls/ interconnections (excluding Problem and Excluded outfalls) for the presence of dry weather flow
- Complete follow-up ranking as dry weather screening becomes available

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 uncurbed streets at least annually
- Continue investigations of catchments associated with Problem Outfalls
- 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

Provide any additional details on activities planned for permit year 3 below:

In Year 3, the NSRWA will be completing the following outreach (in addition to NSRWA's annual initiatives):

- Pet waste handout/mailer to go with dog licensing; distribute to residents at local veterinarian offices and local pet stores & WaterSmart website. This outreach effort was delayed this year due to COVID-19.
- Messaging involving proper management of waste materials and dumpsters to minimize contaminants from entering stormwater; distributed to businesses, institutions, and commercial facilities via a press release, social media post, web page, and brochure.
- Messaging involving proper management of waste materials and dumpsters to minimize contaminants from entering stormwater; distributed to industrial facilities via a press release, social media post, web page, and brochure.
- Messaging involving parking lot maintenance, salt storage, sweeping, catch basin cleaning, and fleet maintenance; distribute to residents via a press release, social media post, web page, and brochure.

Part V: Certification of Small MS4 Annual Report 2020

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]*

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 Rockland

EPA NPDES Permit Number: MAR041058

Primary MS4 Program Manager Contact Information

Name: Dave Taylor

Title: Highway Superintendent

Street Address Line 1: 841 Market Street

Street Address Line 2:

City: Rockland

State: MA

Zip Code: 02370

Email: dtaylor@rockland-ma.gov

Phone Number: (781) 878-0634

Stormwater Management Program (SWMP) Information

SWMP Location (web address):

Date SWMP was Last Updated: September 2020

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

SWMP is located at the Highway Department (841 Market Street, Rockland MA 02370) and the Sewer Department (587R Summer Street Rockland, MA 02370); it was made available to the public on June 15, 2019.

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)			
<i>In State:</i>	☐ Assabet River Phosphorus	☒ Bacteria and Pathogen	☐ Cape Cod Nitrogen
	☐ Charles River Watershed Phosphorus	☐ Lake and Pond Phosphorus	
<i>Out of State:</i>	☐ 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:

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:

- ☒ 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:

EP has prepared training materials and will provide training to employees involved in IDDE program. The foundation for O&M programs for all permittee owned facilities are completed and the execution of said procedures is currently in progress.

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:

Permittee or its agents disseminated educational material to dog owners and owners of septic systems by providing a link to the The Central MA Stormwater Coalition, Neponset River Watershed Association and North & South Rivers Watershed Association Facebook pages.

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:

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

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:

The Original NOI submitted for the Town of Rockland stated that there were 132 MS4 outfalls. Since then, EP personnel visited 74 outfalls during dry weather, approximately 50% of the now 134 total identified MS4 outfalls in the Town of Rockland, bringing the total percentage of outfalls screened by June 2021 to 100%.

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, and Social media posts

Message Description and Distribution Method:

The Town of Rockland is partnered with the North South River Watershed Association (<https://www.nsrwa.org/what-we-care-about/where-we-work/>) which is an organization that strives to provide educational and scientific support to communities in the North and South River watershed. This has been demonstrated through their virtual Watersmart videos and in-school WaterSmart school program "Water All Around You" being taught as part of the Rockland school curriculum. A press release also went out to the town, The Globe, the Patriot Ledger, Wicked Local, the Rockland Mariner, and the Rockland Standard, and the videos were also posted on the NSRWA Facebook page.

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. There were 80 students who participated in the program in Rockland, 371 views on the school program web page, and 270 views on the NSRWA YouTube page. Think Blue Massachusetts reports that 22,727 people in Rockland have been reached by this campaign through Facebook and YouTube.

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: Outdoor Stewardship and Education Opportunity

Message Description and Distribution Method:

The North South River Watershed Association in collaboration with the Rockland Recreation Department sponsored a South Shore Adventures program for Rockland youth to encourage outdoor stewardship and education (https://rocklandma.myrec.com/info/activities/program_details.aspx?

ProgramID=30151&fbclid=IwAR0Z9AtME1m346wTp4GWoAQU38BF8MaKXTvUkpEAOTFaY5pNW7MLuiukR0)

Targeted Audience: Residents

Responsible Department/Parties: The North South River Watershed Association, Rockland Recreation Departm

Measurable Goal(s):

The South Shore Adventures program for Rockland youth included 10 participants, and the North South River Watershed Associations facebook post received 3 likes and 10 shares.

Message Date(s): May 6, 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 MS4 Town Website and Social Media Posts

Message Description and Distribution Method:

Rockland also urges it's residents to follow and share information regarding stormwater best management practices posted on the North and South River Watershed Associations Facebook page (<https://www.facebook.com/nsrwa.org>). Links to The Central MA Stormwater Coalition, Neponset River Watershed Association, and Think Blue Massachusetts are provided under The Town StomwaterMS4 section of their website alongside other educational Stormwater MS4 documents and press releases. (<https://www.rockland-ma.gov/474/StormWaterMS4>)

Targeted Audience: Residents

Responsible Department/Parties: Rockland, North and South River Watershed Association, The Central MA St

Measurable Goal(s):

The North and South River Watershed Associations Facebook page reaches upwards of 5,000 people, The Central MA Stormwater Coalitions Facebook page has an audience of 55 people, the Neponset River Watershed Associations Facebook Page reaches upward of 2,200 people, and Think Blue Massachusetts facebook page has 269 likes and 350 followers.

Message Date(s): August 18, 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: Spring Annual Message

Message Description and Distribution Method:

The Town provided a link to the North South River Watershed Associations Facebook page, who distributed an annual message encouraging the proper use and disposal of grass clippings as part of their Water Smart South Shore campaign.

Targeted Audience: Residents

Responsible Department/Parties: Rockland, North South River Watershed Association

Measurable Goal(s):

The post titled "Know Before You Blow" received 13 likes and 11 shares, and Think Blue Massachusetts reports that 22,727 people in Rockland have been reached by this campaign, and the North South River Watershed Associations Facebook page upwards of 5,000 people.

Message Date(s): June 3, 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: Summer Annual Message

Message Description and Distribution Method:

The Town provided a link to the North South River Watershed Associations Facebook page, who distributed an annual message encouraging the proper use of slow-release and phosphorus-free fertilizers in a post titled "You're not just fertilizing the lawn!" as part of their Water Smart South Shore campaign.

Targeted Audience: Residents

Responsible Department/Parties: Rockland, North South River Watershed Association

Measurable Goal(s):

The post titled "You're not just fertilizing the lawn!" had 2,391 people and 184 engagements when it was boosted in Rockland. There were also 209 page views on the stormwater web pages, and Think Blue Massachusetts reports that 22,727 people in Rockland have been reached by this campaign, and the North South River Watershed Associations Facebook page upwards of 5,000 people.

Message Date(s): May 19, 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: Dog Waste Message

Message Description and Distribution Method:

The Town provided a link to the North South River Watershed Associations Facebook page, who posted an annual message in the summer encouraging the proper management of pet waste as part of their Water Smart South Shore campaign. The post was titled "The Pet Waste Problem on the South Shore". The Pet Waste Outreach Program distributed 100 Pet waste Scoop It cards to the town clerk's office, and a post was created and posted on the NSRWA Facebook page and on the Rockland Hub Facebook page. In addition, an informative article was written "on Addressing the Dog Waste Problem on the South Shore" and was sent to The Globe, the Patriot Ledger, Wicked Local, the Rockland Mariner, and the Rockland Standard.

Targeted Audience: Residents

Responsible Department/Parties: Rockland, North South River Watershed Association

Measurable Goal(s):

The post titled "The Pet Waste Problem on the South Shore" received 10 likes 6 shares, and 2 comments. Think Blue Massachusetts reports that 22,727 people in Rockland have been reached by this campaign, and the North South River Watershed Associations Facebook page upwards of 5,000 people.

Message Date(s): June 17, 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: Fall Annual Message

Message Description and Distribution Method:

The Town provided a link to the North South River Watershed Associations Facebook page distributed an annual message in the fall encouraging the proper disposal of leaf litter as part of their Water Smart South Shore campaign. The post was titled "Don't Blow it!".

Targeted Audience: Residents

Responsible Department/Parties: Rockland, North South River Watershed Association

Measurable Goal(s):

The post titled "Don't Blow it!" received 1,000 likes 262 shares, and 36 comments. Think Blue Massachusetts reports that 22,727 people in Rockland have been reached by this campaign, and the North South River Watershed Associations Facebook page upwards of 5,000 people.

Message Date(s): October 16, 2020

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: Rain Barrel Sale

Message Description and Distribution Method:

On behalf of the Town of Rockland, North and South Rivers Watershed Association organized a Rain Barrel Sale as part of their Water Smart South Shore campaign. A press release went out to: the town, The Globe, the Patriot Ledger, Wicked Local, the Rockland Mariner, and the Rockland Standard. In Addition, Facebook posts were made on the NSRWA page and town connect pages. Information about the sale also went out in the NSRWA E-newsletter.

Targeted Audience: Residents

Responsible Department/Parties: Town of Rockland, North and South Rivers Watershed Association

Measurable Goal(s):

The NSRWA E-newsletter was distributed to 10,000+ subscribers, and there were 9 sold to residents of Rockland. Think Blue Massachusetts reports that 22,727 people in Rockland have been reached by this campaign, and the North South River Watershed Associations Facebook page upwards of 5,000 people

Message Date(s): April 7, 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: Gardening Green Expo.

Message Description and Distribution Method:

On behalf of the Town of Rockland, North and South Rivers Watershed Association organized a Gardening Green Expo, a week long event with live sessions each day as well as prerecorded speaker videos. A downloadable Greenscapes Guide was also promoted online, on the NSRWA Facebook page, and on the Rockland Hub Facebook page.

Targeted Audience: Residents

Responsible Department/Parties: Town of Rockland, North and South Rivers Watershed Association

Measurable Goal(s):

There were 639 live attendees, as well as 1,007 YouTube viewers, Speaker videos online had 4,170 web page views, and a drawing for free products and prizes in which 115 people registered. The North South River Watershed Associations Facebook page upwards of 5,000 people, and the Rockland Hub Facebook page has (9.8k members)

Message Date(s): March 22,2021

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:Septic Maintenance Message

Message Description and Distribution Method:

On behalf of the Town of Rockland, North and South Rivers Watershed Association organized and distributed a press release on septic maintenance to went out to: the town, The Globe, the Patriot Ledger, Wicked Local, the Rockland Mariner, and the Rockland Standard. A Facebook post highlighting the EPA's SepticSmart Week was created to spread awareness to residents as well.

Targeted Audience: Residents

Responsible Department/Parties: Town of Rockland, North and South Rivers Watershed Association

Measurable Goal(s):

A Facebook post targeted to Rockland reached of 7,666 people and 381 engagements. Think Blue Massachusetts reports that 22,727 people in Rockland have been reached by this campaign, and the North South River Watershed Associations Facebook page upwards of 5,000 people

Message Date(s): September 17, 2020

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: Construction Stormwater Pollution Prevention Guide

Message Description and Distribution Method:

On behalf of the Town of Rockland, North and South Rivers Watershed Association organized and distributed A brochure entitled "Construction Stormwater Pollution Prevention Guide" to the Building Department.

Targeted Audience: Developers (construction)

Responsible Department/Parties: Town of Rockland, North and South Rivers Watershed Association

Measurable Goal(s):

The Building Department handed these brochures 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: Proper Management of Waste Materials and Dumpsters Postcard

Message Description and Distribution Method:

On behalf of the Town of Rockland, North and South Rivers Watershed Association organized and distributed a "Proper Management of Waste Materials and Dumpsters 6" X 11" postcard" to all of the Businesses, Institutions, Commercial Facilities and Industrial Facilities in Rockland.

Targeted Audience: Businesses, institutions and commercial facilities

Responsible Department/Parties: Town of Rockland, North and South Rivers Watershed Association

Measurable Goal(s):

67 postcards were mailed in Rockland.

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: videos, online pledge, and lawn signs.

Message Description and Distribution Method:

The NSRWA also received a WMA Grant on behalf of the WaterSmart towns, which allowed them to produce a series of videos, an online pledge, and lawn signs. This campaign is scheduled to continue through the end of August.

Targeted Audience: Residents

Responsible Department/Parties: Town of Rockland, North and South Rivers Watershed Association

Measurable Goal(s):

So far, there have been 11,190 people reached and 138 engagements on Facebook in Rockland. Think Blue Massachusetts reports that 22,727 people in Rockland have been reached by the WaterSmart campaign, and the North South River Watershed Associations Facebook page upwards of 5,000 people

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 estimates that 22,727 people in Rockland 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:**

The SWMP was posted to the Town's StormwaterMS4 page on their website, and residents were encouraged to read through it and send feedback.

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**:
South Shore Recycling Cooperative (SSRC) towns hosted a household hazardous waste collections last fall for Rockland on Oct. 3, 2020.

Rockland is a member of the North and South River 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:

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:

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:

N/A

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

Number of catchment investigations completed this reporting period: 0

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

Percent of total catchments investigated: 0

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

Catchment Investigations need to be completed by Year 10 of the MS4 Permit.

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: 0

Number of illicit discharges removed: 0

Estimated volume of sewage removed: 0 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:**

Employee Training materials have been completed and will be distributed.

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:

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:

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:

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:

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: [Select Units]
- ☐ Weight of material removed: [Select Units]

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:

Highway Department:

Salt stockpile runoff may be entering into nearby catch basin; Steel plate is used to cover catch basin when salt is dropped off, but a permanent solution is needed,
Dumpster lids are kept closed at all times,
Deicing chemicals are now stored inside.

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]*

Year 4 Annual Report

Massachusetts 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: Town of Rockland

EPA NPDES Permit Number: MAR041058

Primary MS4 Program Manager Contact Information

Name: David Taylor, Jr.

Title: Highway Superintendent

Street Address Line 1: 841 Market Street

Street Address Line 2:

City: Rockland

State: MA

Zip Code: 02370

Email: dtaylor@rockland-ma.gov

Phone Number: (781) 878-0634

Stormwater Management Program (SWMP) Information

SWMP Location (web address): <https://rockland-ma.gov/474/StormWaterMS4>

Date SWMP was Last Updated: September 2022

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

SWMP is located at the Highway Department (841 Market Street, Rockland MA 02370) and the Sewer Department (587R Summer Street Rockland, MA 02370).

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 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:

- ☐ No updates were recommended
☒ Updates were recommended. The anticipated date or date of completion for updates is/was:

Items identified in the reports described above are under consideration.

- Developed a report assessing local regulations to determine the feasibility of making green
- ☒ infrastructure practices allowable when appropriate site conditions exist, made it available as part of the SWMP, and:

- ☐ No updates were recommended
☒ Updates were recommended. The anticipated date or date of completion for updates is/was:

Items identified in the reports described above are under consideration.

- ☒ 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:

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
- ☒ 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 or provide any additional details, please use the box below:

planning to conduct IDDE training this Fall

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)

Phosphorus Source Identification Report

- ☒ Completed the Phosphorus Source Identification Report
- ☒ The Phosphorus Source Identification Report is attached to the email submission
- ☐ The Phosphorus Source Identification Report can be found at the following website:

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:

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

The Town has conducted maintenance of open drainage swales and headwalls - placing signage in key locations indicating "Town Drainage - No Dumping, No Parking". This will be an ongoing program, and will expand to other areas of Town.

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:

The Original NOI submitted for the Town of Rockland stated that there were 132 MS4 outfalls. During Outfall screening activities the Town revised that count and now has identified 134 total MS4 outfalls in the Town of Rockland.

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 Program: Stormwater and conservation messaging

Message Description and Distribution Method:

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 continuing Covid-19 precautions, the school program was virtual this year. Environmental Educator Brian Taylor created a new series of videos that teachers used with their students. The teachers also had the Watershed Jeopardy game to play with the kids. All of the teachers were also given a packet of supplemental materials to go with the program. The schools are going to try to book a live session in the fall, depending on the state of Covid at that time. There were 504 views on the school program web page. The program was also posted on the NSRWA Facebook page with a reach of 1,412 people and 64 engagements.

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:Regional Rain Barrel Sale

Message Description and Distribution Method:

Education about water conservation and the reduction of stormwater from impervious surfaces

Targeted Audience:

Responsible Department/Parties:

Measurable Goal(s):

A press release to went out to the town, The Globe, the Patriot Ledger, Wicked Local, the Rockland Mariner, and the Rockland Standard. Facebook posts were made on the NSRWA page and town connect pages. There was a \$50 boost of the Facebook ad that resulted in 1,807 web views, 2,099 people reached, and 219 engagements. Information about the sale went out in the NSRWA E-newsletter to 10,900+ subscribers. There were 50 rain barrels sold with 1 sold to residents of Rockland.

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:Greenscapes Guide

Message Description and Distribution Method:

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):

Due to continuing Covid-19 precautions, the Greenscapes Guide could not be handed out at Gardening Green Expo. The downloadable Greenscapes Guide was promoted online and on the NSRWA Facebook page. It was also promoted on the Rockland Hub Facebook page. There were 455 web page views, 54 downloads, and 1 download from Rockland.

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:MS4 Message - Fertilizer for May/June

Message Description and Distribution Method:

Fertilizer for May/June

Targeted Audience: Residents

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

Measurable Goal(s):

A fertilizer message was posted on the NSRWA Facebook page in June. The fertilizer message had a reach of 43,004 people and 4,388 engagements. It was also posted to the Rockland Hub Facebook page. The fertilizer message Facebook post was boosted in June with a \$50 ad targeted to Rockland with a reach of 4,261 people and 186 engagements. There were also 14 page views on the Know Before You Mow! web page, 85 page views on the Best Mowing Practices web page, and 140 page views on the Stormwater web page.

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:MS4 Message - Grass Clippings in June

Message Description and Distribution Method:

MS4 Message - 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 15,881 people and 2,901 engagements. It was also posted to the Rockland Hub Facebook page. The grass clippings Facebook post was boosted in June with a \$50 ad targeted to Rockland with a reach of 1,429 people and 48 engagements. There were also 14 page views on the Know Before You Mow! web page, 85 page views on the Best Mowing Practices web page, and 140 page views on the Stormwater web page.

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:Pet Waste Education

Message Description and Distribution Method:

Printed Scoop It cards, web article, press release, and social media posts for June

Targeted Audience:

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), Pampered Paws (100), and For Your Paws Only Grooming (100). An article was written on The Problem of Dog Waste on the South Shore. This was sent to the Globe, the Patriot Ledger, Wicked Local, the Rockland Mariner, and the Rockland Standard. It was posted on the NSRWA Facebook page with a reach of 28,604 people and 2,930 engagements. A \$50 ad was targeted to Rockland ending on June 26. As of June 23, it had a reach of 1,946 people and 177 engagements. There were also 195 page views on The Problem of Dog Waste on the South Shore web page, 302 page views on the Pet Waste Education page, 195 page views on the Addressing the Elephant in the Room - Dog Waste on the South Shore web page.

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:Septic Maintenance

Message Description and Distribution Method:

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 to went out to the town, The Globe, the Patriot Ledger, Wicked Local, the Rockland Mariner, and the Rockland Standard. A Facebook ad was posted in September with a reach of 1,178 people and 59 engagements, and a \$50 ad was targeted to Rockland with a reach of 7,666 people and 381 engagements.

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:MS4 Message - HELP KEEP STORM DRAINS CLEAN

Message Description and Distribution Method:

MS4 Message - HELP KEEP STORM DRAINS CLEAN - Don't blow, sweep or dump leaf litter and yard waste into streets or storm drains. Social media posts for October

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 HELP KEEP STORM DRAINS CLEAN message had a reach of 47,120 people and 4,787 engagements. The Facebook post was boosted in October with a \$50 ad targeted to Rockland with a reach of 4,382 people and 178 engagements. There were also 85 page views on the Best Mowing Practices web page, and 140 page views on the Stormwater web page. Both messages were also posted to the Rockland Hub Facebook page.

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:Proper Sediment and Erosion Control Management

Message Description and Distribution Method:

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 all of the town departments who issue permits, including the Building department. These brochures will be handed to the person when they receive their permit. There were 750 distributed to the town of Rockland initially, and we are currently replenishing their supply.

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:Art for Water Public Art Project (August)

Message Description and Distribution Method:

NSRWA will provide a custom painted wall hanging painted by area artists to be raffled in each town and online, and there will be an education piece on stormwater and how storm drains empty unfiltered directly into our water bodies.

Targeted Audience: Residents

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

Measurable Goal(s):

The Art for Water Public Art Project raised awareness on the fact that storm drains empty unfiltered water into our local rivers and streams. A press release and posts were used to educate the public. People could sign the pledge, make an optional donation for clean water, and enter to win one of 12 custom painted wall hangings. We boosted a Facebook ad which had a reach of 8,062 people and 468 engagements. The promotion raised, \$3,070 for clean water and we had 132 entries, 5 from Rockland.

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:Proper Management of Waste Materials and Dumpsters

Message Description and Distribution Method:

Provide education relevant to managing and reducing waste from dumpster waste from entering stormwater

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):

A Best Practices Checklist for Proper Management of Waste Materials and Dumpsters was developed. This was posted on social media, was made into a downloadable file, and was posted on our WaterSmart website with 15 views so far. This was posted on South Shore business and industry Facebook groups, with a reach of 5,700+. We are working with Harbor Media to create a video which will be posted in the towns and on business and industry Facebook pages.

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: Parking Lot Maintenance

Message Description and Distribution Method:

Salt storage, sweeping, catch basin cleaning, fleet maintenance

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):

A Best Practices Checklist for Parking Lot Maintenance was developed. This was posted on social media, was made into a downloadable file, and was posted on our WaterSmart website with 19 views so far. This was posted on South Shore business and industry Facebook groups, with a reach of 5,700+. We are working with Harbor Media to create a video which will be posted in the towns and on business and industry Facebook pages.

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: Low Impact Development Information Targeted to Developers

Message Description and Distribution Method:

Reduction of impervious surfaces, use of alternatives to paving, decentralized approach to stormwater, rain gardens, swales, bioretention

Targeted Audience: Developers (construction)

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

Measurable Goal(s):

This deliverable will be completed in the Summer of 2022. The permittee shall document in each annual report the messages for each audience; the method of distribution; the measures/methods used to assess the effectiveness of the messages, and the method/measures used to assess the overall effectiveness of the education program.

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: Parking Lot Maintenance

Message Description and Distribution Method:

Salt storage, sweeping, catch basin cleaning, fleet maintenance

Targeted Audience: Industrial facilities

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

Measurable Goal(s):

A Best Practices Checklist for Parking Lot Maintenance was developed. This was posted on social media, was made a downloadable file, and was posted on our WaterSmart website with 19 views so far. This was posted on South Shore business and industry Facebook groups, with a reach of 5,700+. We are working with Harbor Media to create a video which will be posted in the towns and on business and industry Facebook pages.

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

Message Description and Distribution Method:

WMA Grant: BRP 2021-01: Demand Management Outdoor Water Conservation Campaign

Targeted Audience: Residents

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

Measurable Goal(s):

In addition to the other deliverables for the town of Rockland, the NSRWA also received a WMA Grant on behalf of the WaterSmart towns. For this grant we produced a series of videos, an online pledge, and offered FREE lawn signs. This campaign is continuing in light of recent drought conditions. As of June 20, there have been 123,777 people reached and 16,018 engagements on Facebook. There have also been 305 web views and 1,998 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:

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 SWMP was posted to the Towns Stormwater MS4 page on their website, and residents were encouraged to read through it and send feedback.

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:**

South Shore Recycling Cooperative (SSRC) towns hosted a household hazardous waste collections last fall for Rockland on Oct. 2, 2021.

Rockland is a member of the North and South River 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:

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:

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:**

Due to COVID-19 and staffing shortages we were unable to complete training this year. We will plan to conduct training in year 5.

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: 20

Number of enforcement actions taken: 2

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

Enforcement Actions: Sediment wattles open drainage on Plain Street (adjacent to School Project). Sediment control catch basins adjacent to school project.

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

Ordinance or Regulatory Mechanism

Date update was completed (due in year 3): 05-07-2018

As-built Drawings

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

Number of as-built drawings received: 1

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

Retrofit Properties Inventory

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

1. Benjamin Phelps Elementary School
2. Recycling Center / Landfill
3. Highway Department
4. Jefferson School
5. Police Department

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:

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:

The town is currently working on setting up a drainage department which will provide increased maintenance, repairs, and construction.

The Town has conducted maintenance of open drainage swales and headwalls - placing signage in key locations indicating "Town Drainage - No Dumping, No Parking". This will be an ongoing program, and will expand to other areas of Town

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:

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]*

Year 5 Annual Report

Massachusetts Small MS4 General Permit

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

*****Please DO NOT attach any documents to this form. Instead, attach all requested documents to an email when submitting the form. Also ensure any websites included on this form are to publicly accessible sites*****

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, 2022 and June 30, 2023 unless otherwise requested.

Part I: Contact Information

Name of Municipality or Organization: Town of Rockland

EPA NPDES Permit Number: MAR041058

Primary MS4 Program Manager Contact Information

Name: David Taylor, Jr.

Title: Highway Superintendent

Street Address Line 1: 841 Market Street

Street Address Line 2:

City: Rockland

State: MA

Zip Code: 02370

Email: dtaylor@rockland-ma.gov

Phone Number: (781)878-0634

Stormwater Management Program (SWMP) Information

SWMP Location (publicly available web address): <https://rockland-ma.gov/474/StormWaterMS4>

Date SWMP was Last Updated: September 2023

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

SWMP is located at the Highway Department (841 Market Street, Rockland MA 02370) and the Sewer Department (587R Summer Street Rockland, MA 02370).

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>

<u>Impairment(s)</u>			
☒ Bacteria/Pathogens	☐ Chloride	☐ Nitrogen	☒ Phosphorus
☐ Solids/ Oil/ Grease (Hydrocarbons)/ Metals			
<u>TMDL(s)</u>			
<i>In State:</i>	☐ Assabet River Phosphorus	☒ Bacteria and Pathogen	☐ Cape Cod Nitrogen
	☐ Charles River Watershed Phosphorus	☐ Lake and Pond Phosphorus	
<i>Out of State:</i>	☐ 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.

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 publicly available 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
- ☒ 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 or provide any additional details, please use the box below:

Annual training (IDDE training) is to be held this fall.

Two SSOs occurred at the wastewater treatment plant on January 26, 2023 and March 15, 2023. The discharge/overflow did not affect any surrounding drainage within the area. The discharge/overflow affected the French Stream, located downstream of the wastewater treatment plant. The Town of Rockland has been diligently working with a consultant on treatment plant upgrades in hopes to decrease the amount of SSOs that occur at the treatment plant. The SSOs that occurred at the treatment plant can be found here: <https://eeaonline.eea.state.ma.us/portal/dep/cso-data-portal/results?queryString=municipality:ROCKLAND>

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
 - ☐ This is not applicable because there are no septic systems present

** 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:

In the process of determining oversight of septic system maintenance and records, will be a shared responsibility of Board of Health and Highway Department. Look to make progress on this in Year 6.

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)

Structural BMPs

- ☒ Completed the evaluation of all permittee owned properties identified as presenting retrofit opportunities or areas for structural BMP installation under permit part 2.3.6.d or identified in the Phosphorus Source Identification Report, including: *(select the items of the evaluation that have been completed below)*
 - ☒ Next planned infrastructure, resurfacing, or redevelopment activity planned for the property (if applicable) OR planned retrofit date
 - ☒ Estimated cost of redevelopment or retrofit BMPs
 - ☐ Engineering and regulatory feasibility of redevelopment or retrofit BMPs
- ☒ Completed a listing of planned structural BMPs and a plan and schedule for implementation
 - ☒ The BMP list and implementation schedule is attached to the email submission
 - ☐ The BMP list and implementation schedule can be found at the following publicly available website:

- ☒ 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.

- ☒ No BMPs were installed
- ☐ The above referenced BMP information is attached to the email submission
- ☐ The above referenced BMP information can be found at the following publicly available website:

Total estimated phosphorus removed in **lbs/year** from the installed BMPs:

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 has conducted maintenance of open drainage swales and headwalls - placing signage in key locations indicating "Town Drainage - No Dumping, No Parking". This will be an ongoing program, and will expand to other areas of Town.

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:

During the field investigations, 2 out of the 70 outfalls were identified as being culverted streams and were removed from the outfall inventory, thus bringing the total to 68 outfalls.

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 Program: Stormwater and Conservation Messaging

Message Description and Distribution Method:

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):

Now that we are past the Covid pandemic, school programs were in person again. Environmental Educator Brian Taylor created a series of videos that teachers used with their students. The teachers also had the Watershed Jeopardy game to play with the kids. All of the teachers were also given a packet of supplemental materials to go with the program. There were 140 students who participated in the program in 2 school visits. In a sample survey, 85% of the students and 80% of the parents reported having a greater understanding of where their water comes from AFTER the program, 85% of the students and 80% of the parents reported having a greater understanding of the importance of conserving water AFTER the program, and 80% of the students and 80% of the parents reported having a greater understanding of how pollutants and runoff affect the quality of water AFTER the program.

A press release went out to the town, The Globe, the Patriot Ledger, Wicked Local, the Rockland Mariner, and the Rockland Standard. There were 450 views on the school program web page which has the virtual videos.

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: Regional Rain Barrel Sale

Message Description and Distribution Method:

Education about water conservation and the reduction of stormwater from impervious surfaces

Targeted Audience: Residents

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

Measurable Goal(s):

A press release went out to the town, The Globe, the Patriot Ledger, Wicked Local, the Rockland Mariner, and the Rockland Standard. There were 7,618 web page views. Facebook posts were made on the NSRWA page and Rockland Hub page. There was a \$50 boost of the Facebook ad targeted to Rockland that resulted in 9,984 people reached, and 395 engagements. Information about the sale went out in the NSRWA E-newsletter to 11,246 subscribers. There were 115 rain barrels sold with 5 sold to residents of Rockland.

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: Gardening Green Expo

Message Description and Distribution Method:

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):

This year, the Gardening Green Expo was a series of 5 Zoom seminars and a live event on Saturday with 4 live lectures. The Zoom lectures were headlined by renowned author Doug Tallamy. The live event featured local experts, services, vendors, and environmental organizations. We took orders for rain barrels and had downloadable water-saving plant lists. There were 1,048 webinar and live attendees. We also had a drawing for signed books, gift certificates, a rain barrel, gift baskets, and more, and 173 people registered for that drawing. We put the speaker videos online and we had 4,381 web page views and 799 YouTube views. The event was also promoted on Facebook and Instagram. It was posted on the NSRWA Facebook page with 438 engagements, 25 comments, and 112 shares. There was also a \$50 Facebook ad targeted to Rockland with a reach of 4,688 people and 268 engagements.

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: Greenscapes Guide

Message Description and Distribution Method:

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 Rockland Hub Facebook page. It had 567 web views and 59 downloads. There was a \$50 boost of the Facebook ad targeted to Rockland that resulted in 9,932 people reached, and 321 engagements.

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: MS4 Message

Message Description and Distribution Method:

Fertilizer for May/June

Targeted Audience: Residents

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

Measurable Goal(s):

A fertilizer message was posted on the NSRWA Facebook page in June. It was also posted to the Rockland Hub Facebook page. The fertilizer Facebook post was boosted in June with a \$50 ad targeted to Rockland that will run through June 24. That boosted ad had a reach of 5,406 people and 181 engagements as of June 22. There were also 10 page views on the Know Before You Mow! web page, 70 page views on the Best Mowing Practices web page, and 153 page views on the Stormwater web page.

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: MS4 Message

Message Description and Distribution Method:

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 with 265 engagements. It was also posted to the Rockland Hub Facebook page. The grass clippings Facebook post was boosted with a \$50 ad targeted to Rockland that will run through July 7. As of June 22, the ad had a reach of 1,437 people and 40 engagements. There were also 10 page views on the Know Before You Mow! web page, 70 page views on the Best Mowing Practices web page, and 153 page views on the Stormwater web page.

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: Septic Maintenance

Message Description and Distribution Method:

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 went out to the town, The Globe, the Patriot Ledger, Wicked Local, the Rockland Mariner, and the Rockland Standard. A Facebook ad was posted in September with a reach of 581 people, 9 comments, and 23 shares. A \$50 Facebook ad was targeted to Rockland with a reach of 4,053 people and 102 engagements.

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: Leaf Litter

Message Description and Distribution Method:

HELP KEEP STORM DRAINS CLEAN – ADOPT A STORM DRAIN NEAR YOU! Don't blow, sweep or dump leaf litter and yard waste into streets or storm drains. Social media posts for October

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 HELP KEEP STORM DRAINS CLEAN message had a reach of 1,452 people, 49 comments, and 199 shares. The Facebook post was boosted with a \$50 ad targeted to Rockland with a reach of 4,133 people and 183 engagements. There were also 81 page views on the Best Mowing Practices web page, and 125 page views on the Stormwater web page.

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: Proper Sediment and Erosion Control Management

Message Description and Distribution Method:

Provided by 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 Building department. These brochures will be handed to the person when they receive their permit. There were 750 distributed to the town of Rockland initially, and we are currently replenishing their supply.

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: Public Art Raffle with Survey - What Can You Do to Help Keep Stormdrains Clean? (August)

Message Description and Distribution Method:

We provided handcrafted metal garden fish stakes to be raffled in each town and online. There was an education piece on stormwater and how storm drains empty unfiltered directly into our water bodies.

Targeted Audience: Residents

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

Measurable Goal(s):

The "What Can You Do to Help Keep Stormdrains Clean?" campaign raised awareness of the fact that storm drains empty unfiltered water into our local rivers and streams. A press release, posts, and an e-news story were used to educate the public. We provided handcrafted metal garden fish stakes to be raffled in each town and online. Everyone who entered the drawing had to answer the question "What can you do to help keep stormdrains clean?" There were 341 web page views, 214 entries and we selected 12 winners. The post on Facebook received 116 engagements, 14 comments, and 12 shares. A \$50 ad targeted to Rockland had a reach of 1,276 people and 54 engagements. I also did a radio interview on WATD about keeping storm drains clean.

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: Proper Management of Waste Materials and Dumpsters

Message Description and Distribution Method:

Web page, social media post, educational video, and Free Dumpster Maintenance and Waste Materials Checklist

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):

We created a Best Practices Checklist for Proper Management of Waste Materials and Dumpsters. This downloadable file was posted on a WaterSmart website page with 63 views. We created an educational video that was posted on our website and our Facebook page. It was also posted on 9 South Shore business and industry Facebook groups, with a combined reach of 10,600+. A \$50 ad targeted to Rockland had a reach of

3,865 people and 3,045 engagements with 2,306 thru plays.

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: Parking Lot Maintenance

Message Description and Distribution Method:

Web page, social media post, educational video, and Free Parking Lot Maintenance Checklist

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):

We created a Best Practices Checklist for Parking Lot Maintenance. This downloadable file was posted on a WaterSmart website page with 52 views. We created an educational video that was posted on our website and our Facebook page. It was also posted on 9 South Shore business and industry Facebook groups, with a combined reach of 10,600+. A \$50 ad targeted to Rockland had a reach of 4,365 people and 3,024 engagements with 2,039 thru plays.

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: Low Impact Development Information Targeted to Developers

Message Description and Distribution Method:

Reduction of impervious surfaces, use of alternatives to paving, decentralized approach to stormwater, rain gardens, swales, bioretention

Targeted Audience: Developers (construction)

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

Measurable Goal(s):

This deliverable will be completed in the Summer of 2023. We are creating a brochure to be handed out with

permits, and a poster with a QR code for all town departments who issue permits.

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:

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 SWMP was posted to the Town's Stormwater MS4 page on their website, and residents were encouraged to read through it and send feedback.

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 North and South River Watershed Association (NSWRA) hosted a Gardening Green expo between March 13, 2023 and March 18, 2023 and offered 5 online, interactive workshops. One of the workshops included Composting and Mulching for Climate-Wise Gardening. The Town of Rockland is within the North and South River Watershed and a member of NSWRA.

On March 29, 2023, the South Shore Recycling Cooperative (SSRC) and HandUp Mattress Recycling teamed up for special curbside mattress pickup.

On April 15, 2023, the Open Space Committee, REiMAGINE ROCKLAND, Board of Health, Highway and Parks Departments hosted a community cleanup day. Trash and debris was cleared along the Rail Trail, Union Street, Hartsuff Park and surrounding schools.

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:

As part of the catchment investigations, mapping updates within the Town's geographic information (GIS) database were also performed. Mapping updates included:

- Adding or removing stormwater structures (catch basins, drain manholes, drainage pipes, outfalls/outlets, inlets, and culverts)
- Updating pipe connectivity between stormwater structures
- Updating the GIS database with elevation/invert data and
- Reviewing the final totals of the stormwater structure inventory

The mapping updates have been made on the Town's cloud-based GIS. Any additional mapping updates made by the Town will continue to be made in that GIS.

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 above referenced outfall screening data is attached to the email submission
- ☐ The above referenced outfall screening data can be found at the following publicly available 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:

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 publicly available 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:

29 catchments were visited on May 25, 2023, and between June 14, 2023, and June 16, 2023. Catchment investigations at 25 catchments were fully completed, initial field investigations were completed at 4 catchments and require additional Town assistance to complete the field work. During the field investigations, 2 out of the 70 outfalls were identified as being culverted streams and were removed from the outfall inventory, thus bringing the total to 68 outfalls.

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 publicly available 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:**

The annual training presentation has been recorded and will be conducted this fall.

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: 2

Number of inspections completed: 15

Number of enforcement actions taken: 6

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

Enforcement actions taken include Mulch Wattles, catch basin sediment bags and street sweepers used to control the construction area.

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

Ordinance or Regulatory Mechanism

Date update was completed (due in year 3): 05-07-2018

Website of ordinance or regulatory mechanism:

<https://rockland-ma.gov/474/StormWaterMS4>

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

Below, describe any changes made or planned to be made to local regulations and guidelines based on the report completed in Year 4:

The Town has not made any changes.

Green Infrastructure Report

Below, describe progress towards making green infrastructure practices allowable based on the report completed in Year 4:

The Town has not made any changes.

Retrofit Properties Inventory

Below, list remaining permittee-owned properties that could be modified or retrofitted with BMPs to mitigate impervious areas (must maintain a minimum of 5 sites in inventory until less than 5 sites remain):

1. Benjamin Phelps Elementary School
2. Recycling Center / Landfill
3. Highway Department
4. Jefferson School
5. Police Department

Below, list all properties that have been modified or retrofitted with BMPs to mitigate impervious area that were inventoried as part of 2.3.6.d of the permit. Non-MS4 owned properties that have been modified or retrofitted with BMPs to mitigate impervious area may also be listed, but must be indicated as non-MS4.

Due to the new Elementary school being built, the Jefferson School will be demolished by October 2023. The Town is looking to improve drainage and stormwater systems at the property once the demolition is completed.

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:

At the Rockland Highway Facility, a paving project has started which will reduce the amount of dust generated and vehicle tracking.

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 publicly available 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:

In May 2023, the Town of Rockland has started an infrastructure project to address infiltration (groundwater) within their sanitary sewer system. The project consists of structural repairs to their sanitary sewer manholes and pipes. The estimated date of completion was August 2023.

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. If any of the above year 5 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:

Existing BMPs have been updated at the highway barn; a manhole replaced a catch basin near the salt shed to eliminate runoff.

Two SSOs occurred at the wastewater treatment plant on January 26, 2023 and March 15, 2023. The discharge/overflow did not affect any surrounding drainage within the area. The discharge/overflow affected the French Stream, located downstream of the wastewater treatment plant. The Town of Rockland has been diligently working with a consultant on treatment plant upgrades in hopes to decrease the amount of SSOs that

occur at the treatment plant.

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 6 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 6 below:

The Town hired a consulting company to assist Rockland on MS4 Permit requirements which include:

- Continued program meetings with the Town to discuss the MS4 program status.
- Continued annual training to the Rockland Highway employees involved in the IDDE program

- Continued Stormwater Management Plan updates, documenting progress made annually
- Continued IDDE catchment investigations and mapping updates
- Continued IDDE Plan updates
- Inspection of the the 12 BMP structures throughout the Town.
- Quarterly SWPPP inspections

Part V: Certification of Small MS4 Annual Report 2023

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 both EPA and MassDEP by clicking on one of the links below or using the email addresses listed below. Please ensure that all required attachments are included in the email and not attached to this PDF.

EPA: stormwater.reports@epa.gov

MassDEP: Stormwater.DEP@mass.gov

Paper Signature:

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

Print Signature Page

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.

Lock Form