TOWN OF RYE, NEW HAMPSHIRE

JUNE 2019

EPA NPDES Permit Number: NHR041030

14259A

Stormwater Management Program (2017 Small MS4 General Permit)

WRIGHT-PIERCE
Engineering a Better Environment

STORMWATER MANAGEMENT PROGRAM (SWMP)

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SECTION 1

GENERAL STORMWATER MANAGEMENT

1.1 BACKGROUND

The Stormwater Phase II final rule was promulgated in 1999 and was the next step after the 1987 Phase I rule in EPA's effort to preserve, protect, and improve the nation's water resources from polluted stormwater runoff. The Phase II program expands the Phase I program by requiring additional operators of MS4s in urbanized areas and operators of small construction sites, through the use of NPDES permits, to implement programs and practices to control polluted stormwater runoff. Phase II is intended to further reduce adverse impacts to water quality and aquatic habitat by instituting the use of controls on the unregulated sources of stormwater discharges that have the greatest likelihood of causing continued environmental degradation. Under the Phase II rule all MS4s with stormwater discharges from census-designated urbanized areas are required to seek NPDES permit coverage for those stormwater discharges.

On May 1, 2003, EPA Region 1 issued its final General Permit for Stormwater Discharges from Small Municipal Separate Storm Sewer Systems (2003 Small MS4 General Permit) consistent with the Phase II rule. The 2003 Small MS4 General Permit covered "traditional" (i.e. cities and towns) and "non-traditional" (i.e. federal and state agencies) MS4 Operators located in the states of Massachusetts and New Hampshire. This permit expired on May 1, 2008, but remained in effect until operators were authorized under the 2017 NH Small MS4 General Permit, which became effective on July 1, 2018.

The Stormwater Management Program (SWMP) describes and details the activities and measures that will be implemented to meet the terms and conditions of the 2017 NH Small MS4 General Permit. The SWMP document should be updated and/or modified during the permit term as activities are modified, changed, or updated to meet permit conditions. The main elements of the SWMP are (1) a public education program in order to affect public behavior causing stormwater pollution, (2) an opportunity for the public to participate and provide comments on the stormwater program, (3) a program to effectively find and eliminate illicit discharges within the MS4, (4) a program to effectively control construction site stormwater discharges to the MS4, (5) a program

to ensure that stormwater from development projects entering the MS4 is adequately controlled by the construction of stormwater controls, and (6) a good housekeeping program to ensure that stormwater pollution sources on municipal properties and from municipal operations are minimized.

1.2 TOWN PROFILE

Government:

Type:	Board of Selectmen and Town Administrator
Address:	Town of Rye 10 Central Road Rye, NH 03870
County:	Rockingham

Demographics:

Population:	5,290 (Town); 4,951 (regulated) [estimated from 2010 census]
Land Area:	35.5 square miles
Significant Local Waters:	Listed in Section 1.5
MS4 Interconnections:	New Hampshire Department of Transportation (DOT) roads

1.3 SWMP TEAM

The SWMP team is comprised of Town personnel from various Departments, and is illustrated below by position. Personnel contact information for the positions illustrated below are listed in Table 1-1.

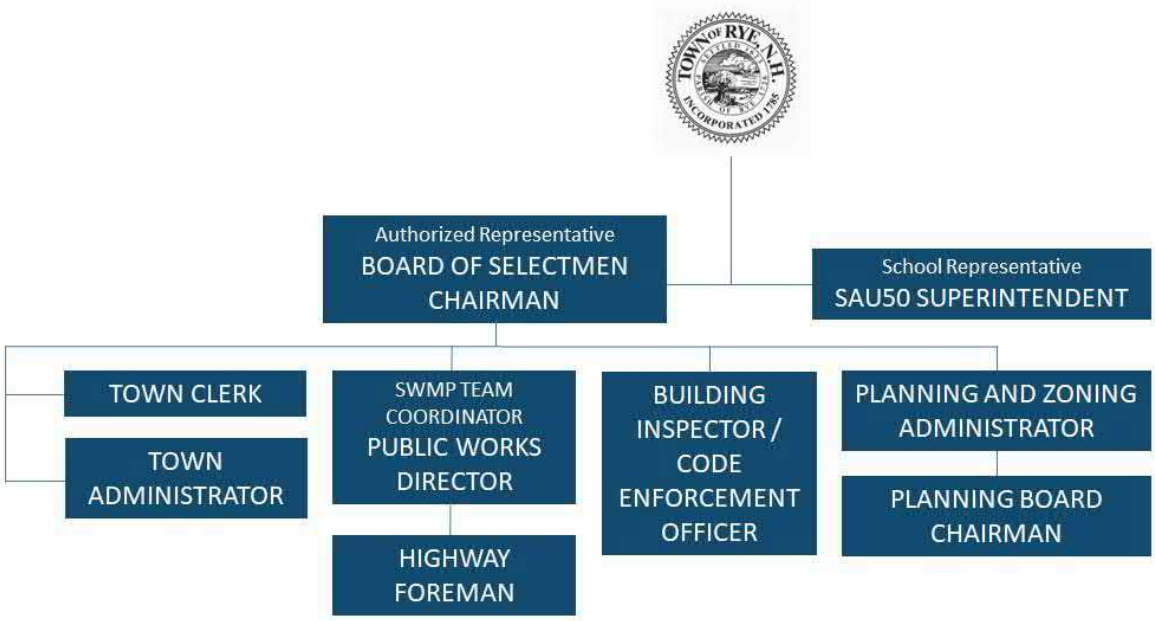

TABLE 1-1

SWMP TEAM

Position	Personnel Contact Information
Director of Public Works	Dennis McCarthy Department of Public Works (603) 964-5300 dmccarthy@town.rye.nh.us
Board of Selectmen Chairman	Philip Winslow Board of Selectmen (603) 964-5523 philwins@gmail.com
SAU50 Superintendent	Salvatore Petralia Superintendent of Schools (603) 422-9572 spetralia@sau50.org
Town Clerk	Donna Decotis Town Clerk (603) 964-8562 ddecotis@town.rye.nh.us
Town Administrator	Rebecca Bergeron Selectman's Office (603) 964-5523 bbergeron@town.rye.nh.us
Highway Foreman	Paul Paradis Department of Public Works (603) 964-5300 pparadis@town.rye.nh.us
Building Inspector/Code Enforcement Officer	Peter Rowell Building Inspection / Code Enforcement (603) 964-9800 prowell@town.rye.nh.us
Planning and Zoning Administrator	Kimberly Reed Planning Department (603) 379-8081 kreed@town.rye.nh.us
Planning Board Chairman	Patricia Losik Planning Board (603) 379-8081 patlos@comcast.net

1.4 MS4 CERTIFICATION AND AUTHORIZATION

1.4.1 Small MS4 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 gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Printed Name	Philip D. Winslow, Board of Selectmen - Chairman		
Signature		Date	

1.4.2 Delegation of Authorized Representative

The Public Works Director has been delegated as an authorized representative. Refer to Appendix A for the supporting documentation.

1.4.3 Small MS4 Authorization

The Notice of Intent (NOI) was submitted on September 25, 2018

A copy of the NOI for coverage and attachments, as submitted to EPA, is included in Appendix B and can also be found at the following web address:

https://www.town.rye.nh.us/public-works

Authorization to Discharge under the 2017 NH Small MS4 General Permit was granted on March 18, 2019

The Authorization Letter is included in Appendix B and can be found at the following web address:

https://www.town.rye.nh.us/public-works

1.4.4 Eligibility: Endangered Species and Historic Properties

The Town of Rye has completed the screenings for threatened or endangered species and designated critical habitat within the regulated MS4 area in accordance with the procedures outlined in Appendix C of the 2017 NH Small MS4 General Permit. The Town certified Endangered Species Act (ESA) Eligibility under Criterion A on the Notice of Intent (NOI) for Coverage submitted to EPA in September 2018; however, it was determined that the federally-listed endangered species roseate tern and the threatened species red knot as well as the northern long-eared bat are present within the regulated MS4 area. As such, the Town of Rye qualifies under Criterion B, meaning that in the course of consultation with the Fish and Wildlife Service, under Section 7 of the ESA, consultation resulted in a determination that stormwater discharge activities associated with the 2017 NH Small MS4 General Permit may affect, but are not likely to adversely affect certain species under the ESA when specific conditions are met. Refer to the concurrence letter from the Fish and Wildlife Service in Appendix C, for what conditions must be met and when additional, future consultation may be required.

The Town of Rye has completed the screening for historic properties within the regulated MS4 area in accordance with the procedures outlined in Appendix D of the 2017 NH Small MS4 General Permit. The Town certified National Historic Preservation Act (NHPA) Eligibility under Criterion A on the Notice of Intent (NOI) for Coverage submitted to EPA in September of 2018, meaning that stormwater discharges and allowable non-stormwater discharges do not have the potential to have an effect on historic properties and the Town is not constructing or installing stormwater control measures that cause less than one acre of subsurface disturbance.

It should be noted that the proper consultations and updates to the SWMP related to permit compliance must be conducted for construction projects less than one acre (where a Construction General Permit (CGP) would not be obtained). Construction projects equal to or greater than an acre require coverage under the CGP, which would require its own endangered species and historic preservation determination.

1.5 REGULATED AREA AND WATER RESOURCES

1.5.1 EPA Regulated Area/Urbanized Area

As an owner responsible for operation and maintenance of a Municipal Separate Storm Sewer System (MS4) that discharges stormwater to waters of the United States, the Town of Rye is required to obtain coverage under the 2017 NH Small MS4 General Permit. This coverage applies to the Regulated Area, which is defined as the Urbanized Area as determined by the 2010 Census data from the United States Census Bureau. Urbanized Areas constitute the largest and most dense areas of settlement. The Regulated Area of Rye is shown on a map developed by EPA (included in Appendix D). The population within the Rye Regulated Area is approximately 4,951 as estimated from the 2010 Census.

A small portion of Rye to the south is located outside of the Regulated Area. Many of the policies and regulations adopted under the SWMP will be applied town-wide in efforts to protect or improve the quality of water bodies and natural resources throughout the town. Due to limited staff and funding, the data collection and record keeping will focus on the Regulated Area first, to ensure compliance with the requirements of the 2017 NH Small MS4 General Permit. As time, funds, and staff availability allow, the Town will continue data collection and implementation in areas throughout the Town.

1.5.2 Significant Water Resources

All waterbodies located within the Town of Rye, including those receiving stormwater discharges from the MS4 are listed in Table 1-2 on the following pages. Table 1-2 also lists impairments and the number of outfalls discharging to each waterbody segment. Additionally, the Surface Water Quality Status map showing these receiving waterbodies and impairment category produced by EPA Region 1 GIS Center is included in Appendix D.

The Town of Rye is a coastal town with many waterbodies that discharge to the Atlantic Ocean via public beaches, as such, bacteria impairments are of particular concern related to primary contact recreation (i.e. swimming). The TMDLs for Bacteria in Little Harbor (2006) and the NH Statewide TMDL for Bacteria Impaired Waters (2010) both apply to waterbodies in the Town of Rye. The Town of Rye's focus on water quality restoration has been on Parsons Creek watershed.

A watershed-based management plan was developed in May of 2011 to protect and improve the water quality of Parsons Creek, which is threatened by bacteria from improperly functioning septic systems and developed area runoff, among other sources.

In addition to the impaired waters listed above, it is important to consider public water supply sources in the development and implementation of the SWMP. The public water supply for the Town of Rye is sourced by various groundwater wells that are owned and operated by Aquarion Water Company, Portsmouth Water Division, or Rye Water District. There are no public surface water supplies in Rye that could be impacted by MS4 discharges.

TABLE 1-2

RECEIVING WATERS

Waterbody that receives flow from the MS4 and segment ID, if applicable	Number of outfalls into receiving water segment	Chloride	Chlorophyll-a	DO*/ DO Saturation	Nitrogen	Oil & Grease / PAH	Phosphorus	Solids / TSS / Turbidity	E.coli	Enterococcus	Other pollutant(s) causing impairments
NHEST600031001-04, Lower Sagamore Creek	2	☐	☐	☐	☐	☐	☐	☐	☐	☒	Dioxin, estuarine bioassessments, mercury, PCBs
NHEST600031001-05, Back Channel		☐	☐	☐	☒	☐	☐	☐	☐	☐	Dioxin, estuarine bioassessments, light attenuation coefficients, mercury, PCBs
NHEST600031002-01-01, Witch Creek	1	☐	☐	☐	☐	☐	☐	☐	☐	☒	Dioxin, fecal coliform, mercury, PCBs
NHEST600031002-01-02, Berrys Brook		☐	☐	☐	☐	☐	☐	☐	☐	☒	Dioxin, fecal coliform, mercury, PCBs
NHEST600031002-02, Little Harbor	1	☐	☐	☐	☒	☐	☐	☐	☐	☒	Dioxin, estuarine bioassessments, fecal coliform, light attenuation coefficients, mercury, PCBs
NHEST600031002-04, Unnamed Brook to Bass Beach	1	☐	☐	☐	☐	☐	☐	☐	☐	☐	Dioxin, fecal coliform, mercury, PCBs
NHEST600031002-05, Parsons Creek	2	☐	☐	☐	☐	☐	☐	☐	☐	☒	Dioxin, fecal coliform, mercury, PCBs
NHLAK600031002-01, Eel Pond	2	☒	☐	☒	☐	☐	☐	☐	☐	☐	Mercury
NHOCN000000000-02-04, Atlantic Ocean – Wallis Sands at Wallis Road	2	☐	☐	☐	☐	☐	☐	☐	☐	☐	Dioxin, mercury, PCBs

Waterbody that receives flow from the MS4 and segment ID, if applicable	Number of outfalls into receiving water segment	Chloride	Chlorophyll-a	DO*/ DO Saturation	Nitrogen	Oil & Grease / PAH	Phosphorus	Solids / TSS / Turbidity	E.coli	Enterococcus	Other pollutant(s) causing impairments
NHOCN000000000-02-05, Atlantic Ocean – Cable Beach		☐	☐	☐	☐	☐	☐	☐	☐	☒	Dioxin, fecal coliform, mercury, PCBs
NHOCN000000000-02-06, Atlantic Ocean – Sawyer Beach	2	☐	☐	☐	☐	☐	☐	☐	☐	☒	Dioxin, fecal coliform, mercury, PCBs
NHOCN000000000-02-07, Atlantic Ocean – Jenness Beach	2	☐	☐	☐	☐	☐	☐	☐	☐	☐	Dioxin, mercury, PCBs
NHOCN000000000-02-14, Atlantic Ocean – Foss Beach		☐	☐	☐	☐	☐	☐	☐	☐	☒	Dioxin, mercury, PCBs
NHOCN000000000-02-15, Atlantic Ocean – Wallis Sands WWTP Outfall	1	☐	☐	☐	☐	☐	☐	☐	☐	☐	Dioxin, mercury, PCBs
NHOCN000000000-02-16, Atlantic Ocean – Wallis Sands State Beach	2	☐	☐	☐	☐	☐	☐	☐	☐	☐	Dioxin, mercury, PCBs
NHOCN000000000-02-18, Atlantic Ocean		☐	☐	☐	☐	☐	☐	☐	☐	☐	Dioxin, mercury, PCBs
NHOCN000000000-02-20, Piscataqua River Mouth		☐	☐	☐	☐	☐	☐	☐	☐	☐	Dioxin, mercury, PCBs
NHOCN000000000-03-01, Bass Beach Brook Outfall Area	1	☐	☐	☐	☐	☐	☐	☐	☐	☒	Dioxin, fecal coliform, mercury, PCBs
NHOCN000000000-05, Atlantic Ocean – Eel Pond		☐	☐	☐	☐	☐	☐	☐	☐	☐	Dioxin, fecal coliform, mercury, PCBs
NHOCN000000000-07, Atlantic Ocean – Parsons Creek		☐	☐	☐	☐	☐	☐	☐	☐	☒	Dioxin, fecal coliform, mercury, PCBs

Waterbody that receives flow from the MS4 and segment ID, if applicable	Number of outfalls into receiving water segment	Chloride	Chlorophyll-a	DO*/ DO Saturation	Nitrogen	Oil & Grease / PAH	Phosphorus	Solids / TSS / Turbidity	E.coli	Enterococcus	Other pollutant(s) causing impairments
NHOCN000000000-11, Atlantic Ocean – Rye Harbor		☐	☐	☐	☐	☐	☐	☐	☐	☐	Dioxin, mercury, PCBs
NHRIV600031002-01, Berrys Brook	1	☐	☐	☒	☐	☐	☐	☐	☒	☐	Mercury, pH
NHRIV600031002-03, Parsons East	1	☐	☐	☐	☐	☐	☐	☐	☒	☐	Mercury
NHRIV600031002-10, Eel Pond Outlet to Atlantic Ocean		☐	☐	☐	☐	☐	☐	☐	☒	☐	Mercury
NHRIV600031004-04, Little River – Unnamed Brook – Oliver Brook	1	☐	☐	☐	☐	☐	☐	☐	☐	☐	Mercury, pH
Total Outfalls	**22**										

1.6 FOLLOW-UP EVALUATION AND REPORTING

1.6.1 Program Evaluation

The Town of Rye will annually evaluate and update the Stormwater Management Program (SWMP) to ensure that planned initiatives and activities are current and effective. Annual evaluation of the SWMP will assess topics such as public input and participation; proposed activities, goals and timelines; effectiveness of Best Management Practices (BMPs); and potential modifications to the SWMP. The Town will include a summary of annual SWMP evaluations and proposed modifications in the annual reports submitted to EPA and NHDES at the end of each Permit Year.

1.6.2 Record Keeping

All documentation and records required by the 2017 NH Small MS4 General Permit will be maintained for a period of at least five years. Records will include things such as monitoring results, copies of reports, records of inspections/screenings, follow-up and elimination of illicit discharges, maintenance records, and inspection records as well as data used in the development of the NOI, SWMP, SWPPP, and annual reports.

1.6.3 Reporting

The Town of Rye will submit an annual report that covers the reporting period of July 1 to June 30 for each year of the permit. The first annual report will cover the period May 1, 2018 to July 1, 2019. Annual reports will be due within 90 days of the permit year end date of June 30th. The annual report will contain information as outlined in part 4.4 of the 2017 NH Small MS4 General Permit. Annual reports will be submitted to EPA at the following address:

United States Environmental Protection Agency
Stormwater and Construction Permits Section (OEP06-1)
Five Post Office Square, Suite 100
Boston, MA 02109

NHDES may request annual reports be submitted to NHDES as well. Upon receipt of this request, annual reports will be submitted to NHDES at the following address:

NH Department of Environmental Services
Wastewater Engineering Bureau
Permits and Compliance Section
P.O. Box 95 Concord, NH 03302-0095

SECTION 2

MINIMUM CONTROL MEASURES (MCMs)

This section outlines each of the identified best management practices (BMPs) that the Town of Rye intends to implement for each Minimum Control Measure (MCM). Each subsection provides an outline for a given MCM and includes the objective of the MCM, a BMP/activity tracking table, and a narrative of the selected BMPs. At a minimum, each BMP includes identification of the BMP name and number, description of the BMP, the responsible party, and measurable goals associated with each BMP.

2.1 MCM1: PUBLIC EDUCATION AND OUTREACH

Objective: The Town shall implement an education program that includes educational goals based on stormwater issues of significance within the MS4 area. The program shall include a focus on pollutants of concern for impaired and TMDL waters and priority waters that receive a discharge from the MS4. Priority waters include beaches, shellfishing areas, and public drinking water supplies. The ultimate objective of a public education program is to increase knowledge and change behavior of the public so that pollutants in stormwater are reduced.

The Town will rely on assistance from the Seacoast Stormwater Coalition to help implement the BMPs for MCM 1; however, the Town will ultimately be the responsible party. Distribution of the public education messages will be via the Town newsletter, which is quarterly, the Town website, and dog license registration as well as a commercial mailing. It has been determined that there are no industrial facilities in the Town of Rye, and thus, this target audience has not been included in the SWMP. Where possible, public education regarding septic system maintenance will dove tail with existing programs related to Parsons Creek watershed.

TABLE 2-1

MCM1 - BMP/ACTIVITY TRACKING

BMP Number	Responsible Party	Date Message Distributed or BMP Updated				
1-1	Public Works Department					
1-2	Public Works Department					
1-3	Public Works Department					
1-4	Public Works Department					
1-5	Planning Board & Code Enforcement					

2.1.1 BMP 1-1: Pet Waste Disposal Message

Responsible Party: Public Works Department in coordination with Seacoast Stormwater Coalition

Description: Distribute a public education message on the proper disposal of pet waste with dog license registration each year.

Target Audience: Pet owners

Measurable Goals: To see an increased awareness in the targeted audience of the impacts of pet waste on water quality. The Town of Rye will collaborate with the Seacoast Stormwater Coalition's efforts to determine tracking and evaluation methods to be used.

Message Date: Annual at the time of dog license renewal

Reporting: Document the messages distributed, the method and date of distribution, and the measures/methods used to assess the effectiveness of the messages. Additionally, method/measures used to assess the overall effectiveness of the education program will be included in the annual report.

2.1.2 BMP 1-2: Septic System Maintenance

Responsible Party: Public Works Department in coordination with Seacoast Stormwater Coalition

Description: Utilize the existing Septic Systems and Water Quality factsheet (used in Parsons Creek watershed) to encourage septic system owners to maintain their septic systems.

Target Audience: Septic System Owners

Measurable Goals: To see an increase in septic system maintenance. The Town of Rye will collaborate with the Seacoast Stormwater Coalition's efforts to determine tracking and evaluation methods to be used.

Message Date: TBD (minimum of one time)

Reporting: Document the messages distributed, the method and date of distribution, and the measures/methods used to assess the effectiveness of the messages. Additionally, method/measures used to assess the overall effectiveness of the education program will be included in the annual report.

2.1.3 BMP 1-3: Lawncare Brochure

Responsible Party: Public Works Department in coordination with Seacoast Stormwater Coalition

Description: Distribute a lawncare message that encourages the proper use and disposal of grass clippings and encourages the proper use of slow-release fertilizers.

Target Audience: Residents, Businesses, Institutions and Commercial Facilities

Measurable Goals: To see an increased awareness of proper disposal of grass clippings and fertilizer use. The Town of Rye will collaborate with the Seacoast Stormwater Coalition's efforts to determine tracking and evaluation methods to be used.

Message Dates: Annually in the spring

Reporting: Document the messages distributed, the method and date of distribution, and the measures/methods used to assess the effectiveness of the messages. Additionally, method/measures used to assess the overall effectiveness of the education program will be included in the annual report.

2.1.4 BMP 1-4: Disposal of Leaf Litter Notice

Responsible Party: Public Works Department in coordination with Seacoast Stormwater Coalition

Description: Post notices encouraging the proper disposal of leaf litter and yard waste at the transfer station.

Target Audience: Residents and Businesses

Measurable Goals: To see an increase in the disposal of leaf and yard waste at the transfer station. The Town of Rye will collaborate with the Seacoast Stormwater Coalition's efforts to determine tracking and evaluation methods to be used.

Target Dates: Annually in the fall

Reporting: Document the messages distributed, the method and date of distribution, and the measures/methods used to assess the effectiveness of the messages. Additionally, method/measures used to assess the overall effectiveness of the education program will be included in the annual report.

2.1.5 BMP 1-5: Developer (Construction) Public Education Message

Responsible Party: Planning Board and Code Enforcement in coordination with Seacoast Stormwater Coalition

Description: Distribute a factsheet or brochure related to an applicable construction topic, such as proper erosion and sediment control practices, low impact development, or the construction general permit.

Target Audience: Developer/Construction

Measurable Goals: To see an increased awareness regarding controls, practices, technologies, or regulations that exist to reduce the effects of construction activity on water quality.

Message Date: Fall of Permit Years 2 and 4

Reporting: Document the messages distributed, the method and date of distribution, and the measures/methods used to assess the effectiveness of the messages. Additionally, method/measures used to assess the overall effectiveness of the education program will be included in the annual report.

2.2 MCM2: PUBLIC INVOLVEMENT AND PARTICIPATION

Objective: The Town shall provide opportunities to engage the public to participate in the review and implementation of the Town's SWMP.

A copy of this SWMP is posted on the Town's Public Works Department webpage at the following web address: https://www.town.rye.nh.us/public-works. A hard copy of the SWMP is maintained at the Public Works Department and Town Hall.

TABLE 2-2

MCM2 - BMP/ACTIVITY TRACKING

BMP Number	Responsible Party	Date of Posting or BMP Updated				
2-1	Select Board					
2-2	Select Board					

2.2.1 BMP 2-1: Public Review of Stormwater Management Program (SWMP)

Responsible Party: Select Board

Description: Provide the public opportunity to participate in the review of the Town of Rye's Stormwater Management Program (SWMP), including annual reports.

Measurable Goal: Annually update the SWMP on the webpage as well as the hard copies to ensure they are current for public review. A sign-out sheet with a space for comments and contact information will be included with the hard copies of the SWMP, in the event the public would like to discuss implementation of the SWMP. A statement will also be posted to the Public Works Department webpage indicating who to contact regarding comments or questions on the SWMP.

Reporting: Document public participation activities, including documentation of compliance with state public notice regulations to provide a description of activities used in the annual report.

2.2.2 BMP 2-2: Public Participation Activity

Responsible Party: Select Board

Description: Provide the public with an opportunity to participate in an activity related to stormwater pollution prevention and/or water quality.

Measurable Goal: Annually implement (host or support) one or more public participation events or activities.

Reporting: Document public participation activities, including documentation of compliance with state public notice regulations to provide a description of activities used in the annual report.

2.3 MCM3: ILLICIT DISCHARGE DETECTION AND ELIMINATION (IDDE) PROGRAM

Objective: The Town shall implement an IDDE program to systematically find and eliminate sources of non-stormwater discharges to its municipal separate storm system and implement procedures to prevent such discharges.

The Town of Rye developed an Illicit Discharge Detection and Elimination (IDDE) Plan based on a template prepared by the Seacoast Stormwater Coalition. The written IDDE Plan is incorporated into Appendix E of this SWMP by reference. The IDDE Plan is posted on the Public Works Department's webpage at the following web address: https://www.town.rye.nh.us/public-works. A hard copy of the IDDE Plan and supporting information for BMPs 3-1 through 3-8 is located at the Public Works Department office.

TABLE 2-3

MCM3 - BMP/ACTIVITY TRACKING

BMP Number	Responsible Party	Date BMP Completed or Updated				
3-1	Public Works Department					
3-2 (Phase 1)	Public Works Department					
3-2 (Phase 2)	Public Works Department					
3-3	Public Works Department					
3-4	Public Works Department					
3-5	Public Works Department					
3-6	Public Works Department					
3-7	Public Works Department					
3-8	Public Works Department					

2.3.1 BMP 3-1: Sanitary Sewer Overflow (SSO) Inventory

Responsible Party: Public Works Department

Description: Develop an SSO inventory in accordance with permit conditions.

Measurable Goal: Complete within one year of the effective date of the permit (by July 1, 2019).

Reporting: Reporting will be completed as per the IDDE Plan.

2.3.2 BMP 3-2: Storm Sewer System Map

Responsible Party: Public Works Department

Description: Update storm sewer system map to include more detail system information. Annually update storm sewer system map as additional information becomes available during IDDE program implementation.

Measurable Goal: Complete map in two phases: Complete Phase I mapping within two years of effective date of permit (by July 1, 2020). Complete Phase II (full system map) within 10 years of the effective date of the permit (July 1, 2028).

Reporting: Reporting will be completed as per the IDDE Plan.

2.3.3 BMP 3-3: Written IDDE Program Development

Responsible Party: Public Works Department

Description: Develop a written IDDE program.

Measurable Goal: Complete within one year of the effective date of the permit (by July 1, 2019) and update accordingly.

Reporting: Reporting will be completed as per the IDDE Plan.

2.3.4 BMP 3-4: Conduct Catchment Investigations

Responsible Party: Public Works Department

Description: Conduct catchment investigations according to program and permit conditions.

Measurable Goal: Complete catchment investigations as follows:

- Written procedures within 18 months of effective date of permit (by December 1, 2019).
- Problem outfalls and outfalls/interconnections where dry weather testing indicates sewer input be completed within seven years of the effective date of the permit (by July 1, 2025).
- High and low priority outfalls completed within 10 years of the effective date of the permit (by July 1, 2028).

Reporting: Reporting will be completed as per the IDDE Plan.

2.3.5 BMP 3-5: Implement Employee Training

Responsible Party: Public Works Department

Description: Train employees in IDDE program implementation.

Measurable Goal: Train all applicable employees annually.

Reporting: Reporting will be completed as per the IDDE Plan.

2.3.6 BMP 3-6: Conduct Dry Weather Screening

Responsible Party: Public Works Department

Description: Conduct dry weather screening in accordance with outfall screening procedures and permit conditions.

Measurable Goal: Complete outfall screening within three years of the effective date of permit (by July 1, 2021) and update the outfall and interconnection ranking annually based on results of dry weather screening.

Reporting: Reporting will be completed as per the IDDE Plan.

2.3.7 BMP 3-7: Conduct Wet Weather Screening

Responsible Party: Public Works Department

Description: Conduct in accordance with outfall screening procedures and permit conditions.

Measurable Goal: Complete wet weather screening within 10 years of the effective date of permit (by July 1, 2028).

Reporting: Reporting will be completed as per the IDDE Plan.

2.3.8 BMP 3-8: Ongoing Screening

Responsible Party: Public Works Department

Description: Conduct dry weather and wet weather screening, as necessary.

Measurable Goal: Complete ongoing outfall screening upon completion of IDDE program.

Reporting: Reporting will be completed as per the IDDE Plan.

2.4 MCM4: CONSTRUCTION SITE STORMWATER RUNOFF CONTROL

Objective: The objective of an effective construction stormwater runoff control program is to minimize or eliminate erosion and maintain sediment on construction sites so that it is not transported in stormwater and allowed to discharge to a water of the U.S. through the Town's MS4.

The Town of Rye will rely on the Town's Land Development Regulations as the primary tool used to implement and enforce the construction stormwater runoff control program. The most current version of the Land Development Regulations are available on the Town of Rye's Planning Department's webpage, which can be viewed at: https://www.town.rye.nh.us/planning-department.

Once the regulations are updated to address the requirements of the 2017 Small MS4 General Permit, they will be included in Appendix F of the SWMP.

TABLE 2-4

MCM4 - BMP/ACTIVITY TRACKING

BMP Number	Responsible Party	Date BMP Completed or Updated				
4-1	Planning Board and Code Enforcement through a public hearing process					
4-2	Planning Board and Code Enforcement through a public hearing process					
4-3	Planning Board and Code Enforcement through a public hearing process					
4-4	Planning Board and Code Enforcement through a public hearing process					

2.4.1 BMP 4-1: Sediment and Erosion Control Ordinance

Responsible Party: Planning Board and Code Enforcement through a public hearing process

Description: Rely on the most recent version of the Town of Rye Land Development Regulations as a regulatory mechanism which requires the use of sediment and erosion control practices at construction sites.

Measurable Goal: Update the requirements for sediment and erosion control practices at construction sites within one year of the effective date of the permit (by July 1, 2019).

Reporting: Provide a status update on the process of amending the regulations in the annual report.

2.4.2 BMP 4-2: Site Plan Review Procedures

Responsible Party: Planning Board and Code Enforcement through a public hearing process

Description: Develop and implement written procedures for site plan review by updating the Town of Rye Land Development Regulations.

Measurable Goal: Develop written procedures for site plan review within one year of the effective date of the permit (by July 1, 2019). Annually thereafter, conduct site plan review of 100% of projects according to the written procedures.

Reporting: Provide an update on site plan review update and implementation in the annual report, and track the number of site plan reviews completed each permit year for inclusion in the annual report as a means to evaluate construction runoff management.

2.4.3 BMP 4-3: Site Inspections and Enforcement of Sediment and Erosion Control Measures Procedures

Responsible Party: Planning Board and Code Enforcement through a public hearing process

Description: Develop and implement written procedures for site inspections and enforcement.

Measurable Goal: Develop written procedures for site inspections and enforcement within one year of the effective date of the permit (by July 1, 2019). Annually thereafter, inspect 100% of construction sites according to the written procedures and track enforcement action, as needed.

Reporting: Track the number of inspections completed and enforcement action taken each permit year for inclusion in the annual report as a means to evaluate construction runoff management.

2.4.4 BMP 4-4: Construction and Site Waste Controls

Responsible Party: Planning Board and Code Enforcement through a public hearing process

Description: Adopt requirements for construction operators to control onsite wastes, including, but not limited to, discarded building materials, concrete truck washout, chemicals, litter, and sanitary wastes.

Measurable Goal: Adopt the requirements for construction operators to control onsite wastes within one year of the effective date of the permit (by July 1, 2019).

Reporting: Provide a status update in the annual report.

2.5 MCM5: POST CONSTRUCTION STORMWATER MANAGEMENT IN NEW DEVELOPMENT AND REDEVELOPMENT

Objective: The objective of an effective post construction stormwater management program is to reduce the discharge of pollutants found in stormwater to the MS4 through the retention or treatment of stormwater after construction on new or redeveloped sites and to ensure proper maintenance of installed stormwater controls.

The Town of Rye will rely on the Town's Land Development Regulations as the primary tool used to implement and enforce the post construction stormwater management program. The most current version of the Land Development Regulations are available on the Town of Rye's Planning Department's webpage, which can be viewed at: https://www.town.rye.nh.us/planning-department.

Once the regulations are updated to address the requirements of the 2017 Small MS4 General Permit, they will be included in Appendix F of the SWMP.

TABLE 2-5

MCM5 - BMP/ACTIVITY TRACKING

BMP Number	Responsible Party	Date BMP Completed or Updated				
5-1	Planning Board and Code Enforcement through a public hearing process					
5-2	Planning Board and Code Enforcement through a public hearing process					
5-3	Planning Board through public hearing process					
5-4	Planning Board through public hearing process					
5-5	Public Works Department					

2.5.1 BMP 5-1: Post-Construction Ordinance

Responsible Party: Planning Board and Code Enforcement through public hearing process

Description: Implement and enforce a program to address post construction stormwater runoff from new development and redevelopment projects.

Measurable Goal: Update the Town of Rye's Land Development Regulations to address post-construction stormwater management within in one year of the effective date of the permit (by July 1, 2019).

Reporting: Provide a status update on the process of amending the regulations in the annual report.

2.5.2 BMP 5-2: As-built Plans for On-site Stormwater Controls

Responsible Party: Planning Board and Code Enforcement through public hearing process

Description: Update Land Development Regulations to require submission of as-built plans and to ensure long-term operation and maintenance of onsite stormwater controls for the project site.

Measurable Goal: Update regulations within one year of the effective date of the permit (by July 1, 2019).

Reporting: Provide a status update on the process of amending the regulations in the annual report.

2.5.3 BMP 5-3: Street Design and Parking Lot Guidelines Report

Responsible Party: Planning Board through a public hearing process

Description: Develop a report assessing the requirements that affect the creation of impervious cover. The assessment will help determine if design standards for streets and parking lots can be modified to support green infrastructure design options.

Measurable Goal: Develop the Street Design and Parking Lot Guidelines report within four years of the effective date of the permit (by July 1, 2022), and begin implementing the recommendations following the development of the report.

Reporting: Annually provide a status update on the development of the report, including any planned or completed changes to local regulations and guidelines as a means to evaluate stormwater management for new development and redevelopment.

2.5.4 BMP 5-4: Green Infrastructure Report

Responsible Party: Planning Board through a public hearing process

Description: Develop a report assessing existing local regulations to determine the feasibility of making green infrastructure practices allowable when appropriate site conditions exist.

Measurable Goal: Develop the Green Infrastructure Report within four years of the effective date of the permit (by July 1, 2022), and begin implementing the recommendations following the development of the report.

Reporting: Annually provide a status update on the development of the report, including findings and progress toward making the practices allowable.

2.5.5 BMP 5-5: List of Municipal Retrofit Opportunities

Responsible Party: Public Works Department

Description: Complete an inventory and priority ranking of Town-owned property and existing infrastructure that could be retrofitted with BMPs designed to reduce the frequency, volume, and pollutant loads of stormwater discharges to the MS4 through the mitigation of impervious area.

Measurable Goal:	Complete the inventory and priority ranking of municipal retrofit opportunities within four years of the effective date of the permit (by July 1, 2022).
Reporting:	Annually report on the status of the inventory and priority ranking. In the Permit Year 5 annual report, and annually thereafter, report on properties and infrastructure that were retrofitted.

2.6 MCM6: GOOD HOUSEKEEPING AND POLLUTION PREVENTION FOR TOWN-OWNED OPERATIONS

Objective: The Town shall implement an operations and maintenance program for Town-owned operations that has a goal of preventing or reducing pollutant runoff and protecting water quality from all Town-owned operations.

Written procedures, plans, and guidelines referenced in this Section will be included in Appendix G, as they are completed. The DPW SWPPP will be included in Appendix H when completed.

TABLE 2-6

MCM6 - BMP/ACTIVITY TRACKING

BMP Number	Responsible Party	Date BMP Completed or Updated				
6-1	Public Works Department					
6-2	Public Works Department					
6-3	Public Works Department					
6-4	Public Works Department					
6-5	Public Works Department and Code Enforcement					
6-6	Public Works Department					
6-7	Public Works Department					
6-8	Public Works Department					
6-9	Public Works Department and Code Enforcement					
6-10	Public Works Department					

2.6.1 BMP 6-1: Parks and Open Spaces Operation and Maintenance (O&M) Procedures

Responsible Party: Public Works Department

Description: Develop written O&M procedures covering all requirements contained in Section 2.3.7.1 of the 2017 NH Small MS4 General Permit for parks and open spaces owned by the Town. The completed O&M procedures will be included as part of the Stormwater Management Program.

Measurable Goal: Develop the written O&M procedures within two years of the effective date of the permit (by July 1, 2020), and implement the procedures for 100% of the parks and open spaces, starting in Permit Year 3 and annually thereafter.

Reporting: Annually report on the status of the O&M program and any associated maintenance activities.

2.6.2 BMP 6-2: Buildings and Facilities Operations and Maintenance Procedures

Responsible Party: Public Works Department

Description: Create written O&M procedures covering all requirements contained in Section 2.3.7.1 of the 2017 NH Small MS4 General Permit for buildings and facilities owned or operated by the Town where pollutants are exposed to stormwater runoff, including, but not limited to, schools (to the extent they are Town-owned or operated), town hall, police and fire stations, and municipal pools and parking garages. The completed O&M procedures will be included as part of the Stormwater Management Program.

Measurable Goal: Develop the written O&M procedures within two years of the effective date of the permit (by July 1, 2020), and implement the procedures for 100% of the applicable building and facilities, starting in Permit Year 3 and annually thereafter.

Reporting: Provide an update on the O&M program and any associated maintenance activities in the annual report.

2.6.3 BMP 6-3: Vehicles and Equipment Operations and Maintenance Procedures

Responsible Party: Public Works Department

Description: Create written O&M procedures covering all requirements contained in Section 2.3.7.1 of the 2017 NH Small MS4 General Permit related to storage, fueling, and washing of vehicles and equipment owned or operated by the Town. The completed O&M procedures will be included as part of the Stormwater Management Program.

Measurable Goal: Develop the written O&M procedures within two years of the effective date of the permit (by July 1, 2020), and implement the procedures for 100% of the applicable vehicle and equipment operations, starting in Permit Year 3 and annually thereafter.

Reporting: Provide an update on the O&M program and any associated maintenance activities in the annual report.

2.6.4 BMP 6-4: Inventory of Town-Owned Facilities and Operations

Responsible Party: Public Works Department

Description: Develop an inventory of all municipal facilities and operations requiring O&M procedures outlined in BMP 6-1, BMP 6-2, and BMP 6-3.

Measurable Goal: Develop the inventory of municipal facilities and operations within two years of the effective date of he permit (by July 1, 2020). Annually review and update the inventory as necessary.

Reporting: Provide a status update on the development of the inventory and any subsequent updates in the annual report.

2.6.5 BMP 6-5: Infrastructure Operations and Maintenance Program

Responsible Party: Public Works Department and Code Enforcement

Description: Establish a written O&M program detailing the activities and procedures implemented to maintain, repair, and rehabilitate the

MS4 infrastructure. The completed O&M program will be included as part of the Stormwater Management Program.

Measurable Goal: Develop the written infrastructure O&M program within two years of the effective date of the permit (by July 1, 2020), and maintain 100% of infrastructure in accordance with the written procedures, starting in Permit Year 3 and annually thereafter.

Reporting: Provide an update on the O&M program and any associated maintenance activities in the annual report.

2.6.6 BMP 6-6: Catch Basin Cleaning Program

Responsible Party: Public Works Department

Description: Establish a schedule and optimization plan for catch basin cleaning such that each catch basin is not more than 50% full. Clean catch basins according to the developed schedule.

Measurable Goal: Establish a schedule for catch basin cleaning within one year of the effective date of the permit (by July 1, 2019). Clean all catch basins in accordance with the established schedule.

Reporting: Document action taken if a catch basin sump is found to be more than 50% full during two consecutive routine cleanings. Annually document and report the total number of catch basins, the number inspected, the number cleaned, and the total volume of material removed. In the Permit Year 1 annual report, document the plan for optimizing catch basin cleaning or a schedule for gathering the information to develop the optimization plan.

2.6.7 BMP 6-7: Street Sweeping Program

Responsible Party: Public Works Department

Description: Sweep all curbed streets and Town-owned parking lots in accordance with permit conditions.

Measurable Goal: Annually sweep all streets and Town-owned parking lots once per year in the spring.

Reporting: Document the number of miles swept and the volume of material removed in the annual report.

2.6.8 BMP 6-8: Winter Road Maintenance Program

Responsible Party: Public Works Department

Description: Establish and implement a program to minimize the use of road salt and evaluate opportunities for use of alternative materials.

Measurable Goal: Establish a winter road maintenance program within one year of the effective date of the permit (by July 1, 2019), and implement the program annually thereafter. Evaluate at least one salt/chloride alternative for use in the municipality.

Reporting: Provide an update on the O&M program in the annual report.

2.6.9 BMP 6-9: Stormwater Treatment Structures Inspection and Maintenance Procedures

Responsible Party: Public Works Department and Code Enforcement

Description: Establish and implement inspection and maintenance procedures and frequencies for the storm drain system and stormwater treatment structures owned by the Town. Stormwater treatment structures include: quality swales, retention/detention basins, infiltration structures, proprietary treatment devices or other similar structures. Stormwater structures do not include catch basins.

Measurable Goal: Establish the inspection and maintenance procedures within one year of the effective date of the permit (by July 1, 2019), and annually thereafter, inspect and maintain 100% of stormwater treatment structures owned by the Town to ensure proper function.

Reporting: Provide a status update on how this BMP is being met and track the inspection and maintenance completed in the annual report.

2.6.10 BMP 6-10: Stormwater Pollution Prevention Plan (SWPPP)

Responsible Party: Public Works Department

Description: Develop or update SWPPPs for maintenance garages, public works yard, transfer station, and other waste-handling facilities.

Measurable Goal: Develop or update SWPPPs for 100% of required facilities within two years of the effective date of the permit (by July 1, 2020), and implement the SWPPPs, annually thereafter.

Reporting: Provide status update on the development or update of the SWPPPs and document the findings from SWPPP site inspections in the annual report.

2.7 TMDLS AND WATER QUALITY LIMITED WATERS

The Town of Rye has waterbodies with a total maximum daily load (TMDL) as well as water quality limited waters. A water quality limited waterbody is one that does not meet applicable water quality standards, but there is no EPA approved TMDL. TMDLs and water quality limited waters require the Town to implement additional measures to address the impairments by reducing these impairments in the Town's stormwater discharges. The applicable TMDL and impairments are summarized below:

TMDL (refer to Appendix F of 2017 NH Small MS4 General Permit)
Bacteria
Impairments (refer to Appendix H of 2017 NH Small MS4 General Permit)
Bacteria/Pathogens Nitrogen Chloride

The following subsections summarize the additional requirements based on the applicable TMDL and water quality limited waters.

2.7.1 Bacteria/Pathogen Impairment (Combination of TMDL and Impaired Waters Requirements)

Applicable Receiving Waterbodies	TMDL Name (if applicable)
Little Harbor (NHEST600031002-02)	TMDL Study for Bacteria in Little Harbor, New Hampshire
NHOCN000000000-02-05, Atlantic Ocean – Cable Beach	NH Statewide Bacteria TMDL*
NHOCN000000000-02-06, Atlantic Ocean – Sawyer Beach	NH Statewide Bacteria TMDL*
NHOCN000000000-02-14, Atlantic Ocean – Foss Beach	
NHOCN000000000-03-01, Bass Beach Brook Outfall Area	NH Statewide Bacteria TMDL*
NHOCN000000000-07, Atlantic Ocean – Parsons Creek	NH Statewide Bacteria TMDL*
NHRIV600031002-01, Berrys Brook	NH Statewide Bacteria TMDL*
NHRIV600031002-03, Parsons East	NH Statewide Bacteria TMDL*
NHRIV600031002-10, Eel Pond Outlet to Atlantic Ocean	

***** NH Statewide Bacteria TMDL for Bacteria Impaired Waters

Annual Requirements Beginning Permit Year 1:

2.7.1.1 Rank outfalls to these receiving waters as high priority for IDDE implementation in the initial outfall ranking.

Relevant BMP in Stormwater Program Management Program: 3-3

2.7.1.2 Distribute an annual message encouraging the proper management of pet waste, including noting any existing ordinances where appropriate.

Relevant BMP in Stormwater Program Management Program: 1-1

2.7.1.3 Disseminate educational material to dog owners at the time of issuance or renewal of dog license, or other appropriate time.

Relevant BMP in Stormwater Program Management Program: 1-1

2.7.1.4 Provide information to owners of septic systems about proper maintenance in any catchment that discharges to a water body impaired for bacteria.

Relevant BMP in Stormwater Program Management Program: 1-2

Public Education messages will be combined with other public education requirements, as applicable (refer to Appendix F and H of the 2017 NH Small MS4 General Permit for more information).

2.7.2 Nitrogen Impairment

Applicable Receiving Waterbody	TMDL Name (if applicable)
NHEST600031001-05, Back Channel	
NHEST600031002-02, Little Harbor	

Annual Requirements Beginning Permit Year 1:

2.7.2.1 Rank outfalls to these receiving waters as high priority for IDDE implementation in the initial outfall ranking

Relevant BMP in Stormwater Program Management Program: 3-3

2.7.2.2 Distribute an annual message in the spring that encourages the proper use and disposal of grass clippings and encourages the proper use of slow-release fertilizers

Relevant BMPs in Stormwater Program Management Program: 1-3

2.7.2.3 Distribute an annual message encouraging the proper management of pet waste, including noting any existing ordinances where appropriate

Relevant BMP in Stormwater Program Management Program: 1-1

2.7.2.4 Distribute an annual message in the fall encouraging the proper disposal of leaf litter

Relevant BMP in Stormwater Program Management Program: 1-4

Public Education messages will be combined with other public education requirements, as applicable (refer to Appendix F and H of the 2017 NH Small MS4 General Permit for more information).

2.7.2.5 Increase street sweeping frequency of all municipal owned streets and parking lots subject to Permit part 2.3.7.1.d.iii. to a minimum of two times per year (spring and fall)

Relevant BMP in Stormwater Program Management Program: 6-7

<u>Requirements Due by Permit Year 2</u>

2.7.2.6 Establish requirements for the use of slow-release fertilizers on Town- owned property currently using fertilizer, in addition to reducing and managing fertilizer use as provided in part 2.3.7.1

Relevant BMP in Stormwater Program Management Program: 6-1, 6-2

2.7.2.7 Establish procedures to properly manage grass cuttings and leaf litter on Town-owned property, including prohibiting blowing organic waste materials onto adjacent impervious surfaces

Relevant BMPs in Stormwater Program Management Program: 6-1, 6-2

2.7.2.8 The requirement for adoption/amendment of the Town's ordinance or other regulatory mechanism shall include a requirement that new development and redevelopment stormwater management BMPs be optimized for nitrogen removal.

Relevant BMPs in Stormwater Program Management Program: 5-1

Requirements Due by Permit Year 4

2.7.2.9 Complete a Nitrogen Source Identification Report

The Town of Rye will coordinate on the development of a Nitrogen Source Identification Report with upstream contributing municipalities, if determined to be a feasible approach. Once complete, the Nitrogen Source Identification Report will be posted on the Public Works Department's webpage at the following web address: https://www.town.rye.nh.us/public-works.

2.7.2.10 Retrofit inventory and priority ranking under Permit part 2.3.6.e. shall include consideration of BMPs to reduce nitrogen discharges

Relevant BMP in Stormwater Program Management Program: 5-5

Requirements Due by Permit Year 5

2.7.2.11 Evaluate all Town-owned properties identified as presenting retrofit opportunities or areas for structural BMP installation under Permit part 2.3.6.e. or identified in the Nitrogen Source Identification Report that are within the drainage area of the impaired water or its tributaries

Relevant BMP in Stormwater Program Management Program: 5-5

2.7.2.12 Complete a listing of planned structural BMPs and a plan and schedule for implementation

Relevant BMP in Stormwater Program Management Program: 5-5

2.7.3 Chloride Impairment

Applicable Receiving Waterbody	TMDL Name (if applicable)
NHLAK600031002-01, Eel Pond	

Requirements Due by Permit Year 3:

2.7.3.1 Develop a Salt Reduction Plan that includes specific actions designed to achieve salt reduction on municipal roads and facilities, and on private facilities that discharge to

its MS4, including BMPs outlined in part IV.3 of Appendix H of the 2017 Small MS4 General Permit.

Relevant BMP in Stormwater Program Management Program: 6-8

<u>Requirements Due by Permit Year 5</u>

2.7.3.2 Fully implement the Salt Reduction Plan described in 2.7.3.1.

Relevant BMP in Stormwater Program Management Program: 6-8

Appendix A
Delegation of Authorized Representative

An Action Entitled

DESIGNATION OF AUTHORIZED REPRESENTATIVE

FOR

NPDES 2017 NEW HAMPSHIRE

SMALL MUNICIPAL SEPARATE STORM SEWER SYSTEM

(MS4) GENERAL PERMIT

WHEREAS, under the authority of the State of New Hampshire Revised Statue Annotated; Chapter 47, Section 17, Subsections I thru XIX; authorizing the Board of Selectmen to enact actions and ordinances,

AND WHEREAS, by signing this authorization, we confirm that we meet the following requirements to make such a designation as set forth in Part B.11 of Appendix B of the 2017 New Hampshire Small MS4 General Permit:

> *For a municipality, state, federal, or other public agency: By either a principal executive officer or ranking elected official.*

AND WHEREAS, we certify under penalty of law that this document and all attachments were prepared under our direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on our inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of our knowledge and belief, true, accurate, and complete.

AND WHEREAS, we are aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

NOW THEREFORE BE IT ORDAINED, that the Town of Rye, by its Selectmen in meeting assembled on this date:

1. That this document serves to affirm that Dennis G. McCarthy has responsibility for the operation of the MS4 and is hereby designated as an authorized person for signing all reports including but not limited to the Stormwater Management Plan (SWMP), Stormwater Pollution Prevention Plan (SWPPP), inspection reports, annual reports, monitoring reports, reports on training, and other information required by the General Permit for Stormwater Discharges from Small Municipal Separate Storm Sewer Systems (MS4) in New Hampshire for the Town of Rye.

2. This authorization cannot be used for signing a NPDES permit application (e.g., Notice of Intent (NOI)) in accordance with 40 CFR 122.22).

This action is hereby adopted this 26th day of August, 2019 having been adopted by a majority vote of the Board of Selectmen and shall be effective immediately upon its adoption.

TOWN OF RYE, NH
by its
BOARD OF SELECTMEN

Phil Winslow - Chairman

Keriann Roman

William Epperson

FURTHER, I certify that said vote has not been amended or repealed and remains in full force and effect as of the date of this Certification.

Date: Sept 10, 2019

By: Amy Thibodeau
Deputy Town Clerk-Tax Collector
Rye NH 03870

Appendix B
Notice of Intent and Authorization to Discharge

TOWN OF RYE
DEPARTMENT OF PUBLIC WORKS
10 Central Road
Rye, N.H. 03870-2522
603-964-5300 • Fax 603-964-9708

September 25, 2018

U. S. Environmental Protection Agency – Region 1
5 Post Office Square – Suite 100
Mail Code - OEP06-01
Boston, MA 02109-3912

Attention: Thelma Murphy

Re: NPDES Phase III Small MS4
General Permit NHR041030
Notice of Intent
Rye, New Hampshire

Dear Ms. Murphy:

Enclosed please find the Town of Rye's Notice of Intent (NOI) for its Phase III, MS4 General Permit No. NHR041030.

I have also forwarded an electronic copy to the recommended e-mail address of stormwater.reports@epa.gov.

Should you have any questions or comments pertaining to this matter please do not hesitate to contact me.

Sincerely:
TOWN OF RYE, NH

Dennis G. McCarthy
Public Works Director

Cc: Michael Magnant, Town Administrator

Notice of Intent (NOI) for coverage under Small MS4 General Permit

Part I: General Conditions

General Information

Name of Municipality or Organization: TOWN OF RYE State: NH

EPA NPDES Permit Number (if applicable): NHR041030

Primary MS4 Program Manager Contact Information

Name: DENNIS G. MCCARTHY Title: PUBLIC WORKS DIRECTOR

Street Address Line 1: 10 CENTRAL ROAD

Street Address Line 2:

City: RYE State: NH Zip Code: 03870

Email: dmccarthy@town.rye.nh.us Phone Number: (603) 964-5300

Fax Number: (603) 964-9708

Other Information

Stormwater Management Program (SWMP) Location (web address or physical location, if already completed): Located at the Town Hall address above.

Eligibility Determination

Endangered Species Act (ESA) Determination Complete? Yes Eligibility Criteria (check all that apply): ☒ A ☐ B ☐ C

National Historic Preservation Act (NHPA) Determination Complete? Yes Eligibility Criteria (check all that apply): ☒ A ☐ B ☐ C ☐ D

☑ Check the box if your municipality or organization was covered under the 2003 MS4 General Permit

MS4 Infrastructure (if covered under the 2003 permit)

Estimated Percent of Outfall Map Complete? *(Part II, III, IV or V, Subpart B.3.(a.) of 2003 permit)* 90%

If 100% of 2003 requirements not met, enter an estimated date of completion (MM/DD/YY): 01/01/23

Web address where MS4 map is published: http://www.caigisonline.com/RyeNH/Default.aspx?Splash=True

If outfall map is unavailable on the internet an electronic or paper copy of the outfall map must be included with NOI submission (see section V for submission options)

Regulatory Authorities (if covered under the 2003 permit)

Illicit Discharge Detection and Elimination (IDDE) Authority Adopted? *(Part II, III, IV or V, Subpart B.3.(b.) of 2003 permit)* Yes — Effective Date or Estimated Date of Adoption (MM/DD/YY): 10/20/09

Construction/Erosion and Sediment Control (ESC) Authority Adopted? *(Part II,III,IV or V, Subpart B.4.(a.) of 2003 permit)* Yes — Effective Date or Estimated Date of Adoption (MM/DD/YY): 09/20/05

Post-Construction Stormwater Management Adopted? *(Part II, III, IV or V, Subpart B.5.(a.) of 2003 permit)* Yes — Effective Date or Estimated Date of Adoption (MM/DD/YY): 10/20/09

Notice of Intent (NOI) for coverage under Small MS4 General Permit

Part II: Summary of Receiving Waters

Please list the waterbody segments to which your MS4 discharges. For each waterbody segment, please report the number of outfalls discharging into it and, if applicable, any impairments.

New Hampshire list of impaired waters: http://des.nh.gov/organization/divisions/water/wmb/swqa/

Check off relevant pollutants for discharges to impaired waterbodies (see above 303(d) lists) without an approved TMDL in accordance with part 2.2.2 of the permit. List any other pollutants in the last column, if applicable.

Waterbody segment that receives flow from the MS4	Number of outfalls into receiving water segment	Chloride	Chlorophyll-a	Dissolved Oxygen/ DO Saturation	Nitrogen	Oil & Grease/ PAH	Phosphorus	Solids/ TSS/ Turbidity	E. coli	Enterococcus	Other pollutant(s) causing impairments
NHEST600031001-04, LOWER SAGAMORE CREEK	2	☐	☐	☐	☐	☐	☐	☐	☐	☒	DIOXON, ESTUARINE BIOASSESSMENTS, MERCURY, POLYCHORINATED BIPHENYLS
NHEST600031001-05, BACK CHANNEL		☐	☐	☐	☒	☐	☐	☐	☐	☐	DIOXON, ESTUARINE BIOASSESSMENTS, LIGHT ATTINUATION COEFFICIENTS, MECURY, POLYCHORINATED BIPHENYLS
NHEST600031002-01-01, WITCH CREEK	1	☐	☐	☐	☐	☐	☐	☐	☐	☒	DIOXIN, FECAL COLIFORM, MERCURY, POLYCHORINATED BIPHENYLES
NHEST600031002-01-02, BERRYS BROOK		☐	☐	☐	☐	☐	☐	☐	☐	☒	DIOXIN, FECAL COLIFORM, MERCURY, POLYCHORINATED BIPHENYLES
NHEST600031002-02, LITTLE HARBOR	1	☐	☐	☐	☒	☐	☐	☐	☐	☒	DIOXON, ESTUARINE BIOASSESSMENTS, FECAL COLIFORMS, LIGHT ATTINUATION COEFFICIENTS, MECURY, POLYCHORINATED BIPHENYLS
NHEST600031002-04,UNNAMED BROOK TO BASS BEACH	1	☐	☐	☐	☐	☐	☐	☐	☐	☐	DIOXIN, FECAL COLIFORM, MERCURY, POLYCHORINATED BIPHENYLES
NHEST600031002-05, PARSONS CREEK	2	☐	☐	☐	☐	☐	☐	☐	☐	☒	DIOXIN, FECAL COLIFORM, MERCURY, POLYCHORINATED BIPHENYLES
NHLAK600031002-01, EEL POND	2	☒	☐	☒	☐	☐	☐	☐	☐	☐	MERCURY
NHOCN000000000-02-04, ATLANTIC OCEAN-WALLIS SANDS AT WALLIS ROAD	2	☐	☐	☐	☐	☐	☐	☐	☐	☐	DIOXIN, MERCURY, POLYCHORINATED BIPHENYLES
NHOCN000000000-02-05, ATLANTIC OCEAN - CABLE BEACH		☐	☐	☐	☐	☐	☐	☐	☐	☒	DIOXIN, FECAL COLIFORM, MERCURY, POLYCHORINATED BIPHENYLES
NHOCN000000000-02-06, ATLANTIC OCEAN - SAWYER BEACH	2	☐	☐	☐	☐	☐	☐	☐	☐	☒	DIOXIN, FECAL COLIFORM, MERCURY, POLYCHORINATED BIPHENYLES
NHOCN000000000-02-07, ATLANTIC OCEAN - JENNESS BEACH	2	☐	☐	☐	☐	☐	☐	☐	☐	☐	DIOXIN, MERCURY, POLYCHORINATED BIPHENYLES
NHOCN000000000-02-14, ATLANTIC OCEAN - FOSS BEACH		☐	☐	☐	☐	☐	☐	☐	☐	☒	DIOXIN, MERCURY, POLYCHORINATED BIPHENYLES
NHOCN000000000-02-15, ATLANTIC OCEAN - WALLIS SANDS WWTP OUTFALL	1	☐	☐	☐	☐	☐	☐	☐	☐	☐	DIOXIN, MERCURY, POLYCHORINATED BIPHENYLES
NHOCN000000000-02-16, ATLANTIC OCEAN - WALLIS SANDS STATE BEACH	2	☐	☐	☐	☐	☐	☐	☐	☐	☐	DIOXIN, MERCURY, POLYCHORINATED BIPHENYLES
NHOCN000000000-02-18, ATLANTIC OCEAN		☐	☐	☐	☐	☐	☐	☐	☐	☐	DIOXIN, MERCURY, POLYCHORINATED BIPHENYLES

NHOCN000000000-02-20, PISCATAQUA RIVER MOUTH		☐	☐	☐	☐	☐	☐	☐	☐	☐	DIOXIN, MERCURY, POLYCHORINATED BIPHENYLES
NHOCN0000000000-03-01, BASS BEACH BROOK OUTFALL AREA	1	☐	☐	☐	☐	☐	☐	☐	☐	☒	DIOXIN, FECAL COLIFORM, MERCURY, POLYCHORINATED BIPHENYLES
Waterbody segment that receives flow from the MS4	**Number of outfalls into receiving water segment**	**Chloride**	**Chlorophyll-a**	**Dissolved Oxygen/ DO Saturation**	**Nitrogen**	**Oil & Grease/ PAH**	**Phosphorus**	**Solids/ TSS/ Turbidity**	**E. coli**	**Enterococcus**	**Other pollutant(s) causing impairments**
NHOCN000000000-05, ATLANTIC OCEAN - ELL POND		☐	☐	☐	☐	☐	☐	☐	☐	☐	DIOXIN, FECAL COLIFORM, MERCURY, POLYCHORINATED BIPHENYLES
NHOCN0000000000-07, ATLANTIC OCEAN - PARSONS CREEK		☐	☐	☐	☐	☐	☐	☐	☐	☒	DIOXIN, FECAL COLIFORM, MERCURY, POLYCHORINATED BIPHENYLES
NHOCN000000000-11, ATLANTIC OCEAN - RYE HARBOR		☐	☐	☐	☐	☐	☐	☐	☐	☐	DIOXIN, MERCURY, POLYCHORINATED BIPHENYLES
NHRIV600031002-01, BERRYS BROOK	1	☐	☐	☒	☐	☐	☐	☐	☒	☐	MERCURY, pH
NHRIV600031002-03, PARSONS EAST	1	☐	☐	☐	☐	☐	☐	☐	☒	☐	MERCURY
NHRIV600031002-10, EEL POND OUTLET TO ATLANTIC OCEAN		☐	☐	☐	☐	☐	☐	☐	☒	☐	MERCURY
NHRIV600031004-04, LITTLE RIVER - UNNAMED BROOK - OLIVER BROOK	1	☐	☐	☐	☐	☐	☐	☐	☐	☐	MERCURY, pH
		☐	☐	☐	☐	☐	☐	☐	☐	☐	
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Click to lengthen table

Notice of Intent (NOI) for coverage under Small MS4 General Permit

Part III: Stormwater Management Program Summary

Identify the Best Management Practices (BMPs) that will be employed to address each of the six Minimum Control Measures (MCMs).

For each MCM, list each existing or proposed BMP by category and provide a brief description, responsible parties/departments, measurable goals, and the year the BMP will be employed (public education and outreach BMPs also requires a target audience). **Use the drop-down menus in each table or enter your own text to override the drop down menu.**

MCM 1: Public Education and Outreach

BMP Media/Category (enter your own text to override the drop down menu)	**BMP Description**	**Targeted Audience**	**Responsible Department/Parties** (enter your own text to override the drop down menu)	**Measurable Goal**	**Beginning Year of BMP Imple-mentation**
Various delivery methods -	Varied. Use NH Seacoast Stormwater Coaliton outreach materials and guidance to implement outreach for relevant impairments *See Note 2 in Section IV.	Residents	Public Works Dept. with Seacoast Stormwater Coalition	To be determined with coordination with NH Seacoast Stormwater Coalition. Examples1) Increased awareness of proper fertilizer use. 2) Increased awareness of pet waste impacts to water quality. 3) Increased awareness of yard waste impacts to water quality. 4) Increased septic system testing.	Year 1
Various delivery methods	Varied. Use NH Seacoast Stormwater Coaliton outreach materials and guidance to implement outreach for relevant impairments *See Note 2 in Section IV.	Businesses, Institutions and Commercial Facilities	Public Works Dept. with Seacoast Stormwater Coalition	To be determined with coordination with NH Seacoast Stormwater Coalition .	Year 1

Various delivery methods	Varied. Use NH Seacoast Stormwater Coaliton outreach materials and guidance to implement outreach for relevant impairments *See Note 2 in Section IV.	Developers (construction)	Planning Board & Code Enforcement with Seacoast Stormwater Coalit	To be determined with coordination with NH Seacoast Stormwater Coalition .	Year 2
Various delivery methods	Varied. Use NH Seacoast Stormwater Coaliton outreach materials and guidance to implement outreach for relevant impairments *See Note 2 in Section IV.	Industrial Facilities (Note: This is not applicable if no industrial facilities exist in MS4 area)	Public Works Dept. with Seacoast Stormwater Coalition	To be determined with coordination with NH Seacoast Stormwater Coalition .	Year 2

Notice of Intent (NOI) for coverage under Small MS4 General Permit

Part III: Stormwater Management Program Summary (continued)

MCM 2: Public Involvement and Participation

BMP Categorization	Brief BMP Description (enter your own text to override the drop down menu)	Responsible Department/Parties (enter your own text to override the drop down menu)	Additional Description/ Measurable Goal	Beginning Year of BMP Imple-mentation
Public Review	Make SWMP and annual reports available for public review.	Select Board	Annual review of stormwater management plan and post on website, town/city hall for public comment	Year 2
Public Participation	Implement 1 or more public participation events/activities annually	Select Board	Public participation event(s) conducted	Year 2
	Annual Reporting	Select Board	Annual reporting of public participation activity(ies) and public review/ comment on SWMP	Year 2

Notice of Intent (NOI) for coverage under Small MS4 General Permit

Part III: Stormwater Management Program Summary (continued)

MCM 3: Illicit Discharge Detection and Elimination (IDDE)

BMP Categorization (enter your own text to override the drop down menu)	**BMP Description**	**Responsible Department/Parties** (enter your own text to override the drop down menu)	**Measurable Goal** (all text can be overwritten)
Sanitary Sewer Overflow (SSO) inventory (not applicable to towns with no sewer)	Develop SSO inventory in accordance of permit conditions	Public Works Department	Complete within 1 year of effective date of permit (See Note 3 in Section IV.)
Storm sewer system map (not applicable to towns with no sewer)	Create map and update during IDDE program completion, update annually	Public Works Department	Update map within 2 years of effective date of permit and complete full system map 10 years after effective date of permit (See Note 3in Section IV.)
Written Illicit Discharge and Detection Elimination (IDDE) program development	Create written IDDE program	Public Works Department	Complete within 1 year of the effective date of permit and update as required under sections 2.3.4.6-11
Implement IDDE program	Implement catchment investigations according to program and permit conditions	Public Works Department	Complete 10 years after effective date of permit
Implement employee training (if no employees, Select Board responsible)	Train employees in IDDE program implementation	Public Works Department	Provide training annually
Conduct dry weather screening	Conduct in accordance with outfall screening procedure and permit conditions in section 2.3.4.7.b	Public Works Department	Complete 3 years after effective date of permit, update annually and based on results of dry weather screening
Conduct wet weather screening	Conduct in accordance with outfall screening procedures in in section 2.3.4.7.b	Public Works Department	Complete 10 years after effective date of permit
Ongoing screening	Conduct dry weather and wet weather screening (as necessary)	Public Works Department o	Complete ongoing outfall screening on completion of IDDE program

Notice of Intent (NOI) for coverage under Small MS4 General Permit

Part III: Stormwater Management Program Summary (continued)

MCM 4: Construction Site Stormwater Runoff Control

BMP Categorization (enter your own text to override the drop down menu or entered text)	**BMP Description**	**Responsible Department/Parties** (enter your own text to override the drop down menu)	**Measurable Goal** (all text can be overwritten)
Implement site inspection and enforcement of erosion and sediment (ESC) control measures	Enact ESC Regulations	Planning Board & Code Enforcement through a public hearing process	Complete within 1 year of the effective date of permit
Prepare written procedures for Site Plan Review	Document procedures in regulations and begin implementation	Planning Board & Code Enforcement hrough a public hearing process	Complete within 1 year of the effective date of permit
Erosion and Sediment Control	Enact requirements for construction operators to implement a sediment and erosion control program	Planning Board & Code Enforcement through a public hearing process	Complete within 1 year of the effective date of permit
Construction and site waste controls	Enact requirements to control wastes, including but not limited to, discarded building materials, concrete truck wash out, chemicals, litter, and sanitary wastes	Planning Board & Code Enforcement through a public hearing process	Complete within 1 year of the effective date of permit

Notice of Intent (NOI) for coverage under Small MS4 General Permit

Part III: Stormwater Management Program Summary (continued)

MCM 5: Post-Construction Stormwater Management in New Development and Redevelopment

BMP Categorization (enter your own text to override the drop down menu or entered text)	**BMP Description**	**Responsible Department/Parties** (enter your own text to override the drop down menu)	**Measurable Goal** (all text can be overwritten)
As-built plans for on-site stormwater controls	Enact procedures to require submission of as-built plans and ensure long term operations and maintenance s part of the SWMP	Planning Board & Code Enforcement through a public hearing process	Require submission of as-built plans for completed projects.
Target properties for reduction in impervious cover	Complete an inventory and priority ranking of permitee-owned property and existing infrastructure that could be retrofitted with BMPs designed to reduce the frequency, volume and pollutant loads of stormwater discharges to its MS4 through the mitigation of impervious area	Public Works Department	Complete 4 years after effective date of permit and report annually on retrofitted properties
Determine feasibility and allow for green infrastructure implementation	Report assessing existing local regulations to determine the feasibility of making green infrastructure practices allowable when appropriate site conditions exist	Planning Board through a public hearing process	Complete 4 years after effective date of permit and implement recomendations of report
Street design and parking lot guidelines	Report assessing requirements that affect the creation of impervious cover. The assessment will help determine if changes to design standards for streets and parking lots can be modified to support low impact design options.	Planning Board through a public hearing process	Complete 4 years after effective date of permit and implement recommendations of report

Ensure stormwater controls or management practices for new development and redevelopment meet the retention and treatment requirements of the permit and consistent with the Southeast Watershed Alliance Model Stormwater Standards for Coastal Watershed Communities See Note 4 in Section IV.	Adoption, amendment or modification of a regulatory mechanism to meet permit requirements.	Planning Board & Code Enforcement	Complete 2 years after effective date of permit

Notice of Intent (NOI) for coverage under Small MS4 General Permit

Part III: Stormwater Management Program Summary (continued)

MCM 6: Municipal Good Housekeeping and Pollution Prevention

BMP Categorization (enter your own text to override the drop down menu or entered text)	**BMP Description**	**Responsible Department/Parties** (enter your own text to override the drop down menu)	**Measurable Goal** (all text can be overwritten)	**Beginning Year of BMP Imple-mentation**
Operation and Maintenance (O&M) Procedures	Create written O&M procedures including all requirements contained in section 2.3.7.1 for parks and open spaces, buildings and facilities, and vehicles and equipment	Public Works Department	Complete and implement 2 years after effective date of permit	Year 2
Inventory all permittee-owned parks and open spaces, buildings and facilities, and vehicles and equipment	Prepare inventory	Public Works Department	Complete 2 years after effective date of permit and update inventory annually	Year 2
Infrastructure Operations and Maintenance	Establish and record annually implementation of program activities for maintenance, repair and rehabilitation of MS4 infrastructure	Public Works Department & Code Enforcement	Complete 2 years after effective date of permit	Year 2
Stormwater Pollution Prevention Plan (SWPPP)	Create SWPPPs for municipal properties or individual facilities per requirements of section 2.3.7.2	Public Works Department	Complete 2 years after effective date of permit	Year 2
Catch basin cleaning	Establish schedule for catch basin cleaning such that each catch basin is no more than 50% full and clean catch basins on that schedule, ensure proper storage of basin cleanings	Public Works Department	Clean catch basins on established schedule and report number of catch basins cleaned and volume of material moved annually	Year 1

Street sweeping program	Sweep all (curbed) streets and permitee-owned parking lots in accordance with permit conditions	Public Works Department	Sweep all streets and permitee-owned parking lots once per year in the spring	Year 1
Road salt use optimization and winter road maintenance program	Establish and implement a program to minimize the use of road salt and evaluate opportunities for use of alternative materials	Public Works Department	Implement salt use optimization program during deicing season	Year 2
Inspections and maintenance of stormwater treatment structures	Establish and implement inspection and maintenance procedures and frequencies	Public Works Department & Code Enforcement	Inspect and maintain treatment structures at least annually	Year 1

Notice of Intent (NOI) for coverage under Small MS4 General Permit

Part III: Stormwater Management Program Summary (continued)

Actions for Meeting Total Maximum Daily Load (TMDL) Requirements

Use the drop-down menus to select the applicable TMDL, action description to meet the TMDL requirements, and the responsible department/parties. If no options are applicable, or more than one, **enter your own text to override drop-down menus.** If submitting a NHDES approved alternative reduction plan, attach and submit it with the NOI.

Applicable TMDL	Action Description	Responsible Department/Parties (enter your own text to override the drop down menu)
Little Harbor (Bacteria)	Adhere to requirements in Part II.1 of Appendix F	Select Board
New Hampshire Statewide (Bacteria)	Adhere to requirements in Part II.1 of Appendix F	Select Board

Notice of Intent (NOI) for coverage under Small MS4 General Permit

Part III: Stormwater Management Program Summary (continued)

Actions for Meeting Requirements Related to Water Quality Limited Waters

Use the drop-down menus to select the pollutant causing the water quality limitation and enter the waterbody ID(s) experiencing excursions above water quality standards for that pollutant. Choose the action description from the dropdown menu and indicate the responsible party. If no options are applicable, or more than one, **enter your own text to override drop-down menus.**

Pollutant	Waterbody ID(s)	Action Description	Responsible Department/Parties (enter your own text to override the drop down menu)
E. Coli	NHRIV600031002-01, NHRIV600031002-03, NHRIV600031002-10	Adhere to requirements in part III of Appendix H	Public Works Department & Planning Board
Enteroccus	NHEST600031001-04, NHEST600031002-01-01, NHEST600031002-01-02, NHEST600031002-01-02, NHEST600031002-02, NHEST600031002-05, NHOCN000000000-02-05, NHOCN000000000-02-06, NHOCN000000000-02-14, NHOCN000000000-03-01, NHOCN000000000-07	Adhere to requirements in part III of Appendix H	Public Works & Planning Board
Fecal Coliform	NHEST600031002-01-01, NHEST600031002-01-02, NHEST600031002-02, NHEST600031002-04, NHEST600031002-05, NHOCN000000000-02-05, NHOCN000000000-02-06, NHOCN000000000-03-01, NHOCN000000000-05, NHOCN000000000-07,	Adhere to requirements in part III of Appendix H	Public Work & Planning Board
Nitrogen	NHEST600031001-05, NHEST600031002-02	Adhere to requirements in part I of Appendix H	Public Works Department
Chloride	NHLAK600031002-01	Adhere to requirements in part IV of Appendix H	Public Works Department

Part IV: Notes and additional information

Use the space below to indicate the part(s) of 2.2.2 that you have identified as not applicable to your MS4 and provide all supporting documentation below or attach additional documents if necessary.

Provide any additional information about your MS4 program below.

Note 1: See attached table for complete listing of all water bodies found within municipal boundaries, impairment status, and listing of each water body's impairments .

Note 2: Additional messages will be provided in accordance with Appendix H for Water Quality Limited Water bodies.

Part V: 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 gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I have no personal knowledge that the information submitted is other than 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:	PRISCILLA V. JENNESS	Title:	BOARD OF SELECMEN - CHAIRMAN
Signature:	Priscilla V. Jenness	Date:	9/24/2018

[To be signed according to Appendix B, Subparagraph B.11, Standard Conditions]

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

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 1
5 POST OFFICE SQUARE, SUITE 100
BOSTON, MA 02109-3912

VIA EMAIL

March 18, 2019

Priscilla V. Jenness
Chairman, Board of Selectmen

And;

Dennis G. McCarthy
Public Works Director
10 Central Road
Rye, NH 03870
dmccarthy@town.rye.nh.us

Re: National Pollutant Discharge Elimination System (NPDES) Permit ID: NHR041030, Town of Rye, NH

Dear Dennis G. McCarthy:

Your Notice of Intent (NOI) for coverage under the 2017 NPDES General Permit for Stormwater Discharges from Small Municipal Separate Storm Sewer Systems in New Hampshire (MS4 General Permit) has been reviewed by EPA and appears to be complete. You are hereby granted authorization by EPA to discharge stormwater from your MS4 in accordance with applicable terms and conditions of the MS4 General Permit, including all applicable Appendices. This authorization to discharge expires at midnight on **June 30, 2023.**

For those permittees that certified Endangered Species Act eligibility under Criterion C in their NOI, this authorization letter also serves as EPA's concurrence with your determination that your discharges will have no effect on the listed species present in your action area, based on the information provided in your NOI.

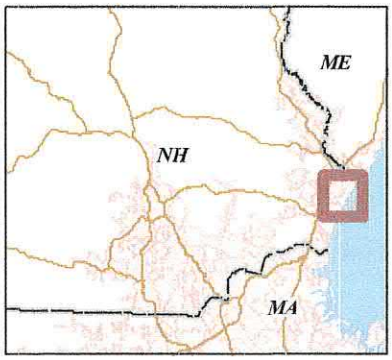
As a reminder, your first annual report is due by **September 30, 2019** for the reporting period from May 1, 2018 through June 30, 2019.

Information about the permit and available resources can be found on our website: https://www.epa.gov/npdes-permits/new-hampshire-small-ms4-general-permit. Should you have

any questions regarding this permit please contact Suzanne Warner at warner.suzanne@epa.gov or (617) 918-1383.

Sincerely,

Thelma Murphy, Chief
Stormwater and Construction Permits Section
Office of Ecosystem Protection
United States Environmental Protection Agency, Region 1



NPDES Phase II Stormwater Program
Automatically Designated MS4 Areas

Rye NH

Regulated Area (2000 + 2010 Urbanized Area)

0 1 2 3 4 Kilometers

0 1 2 3 Miles

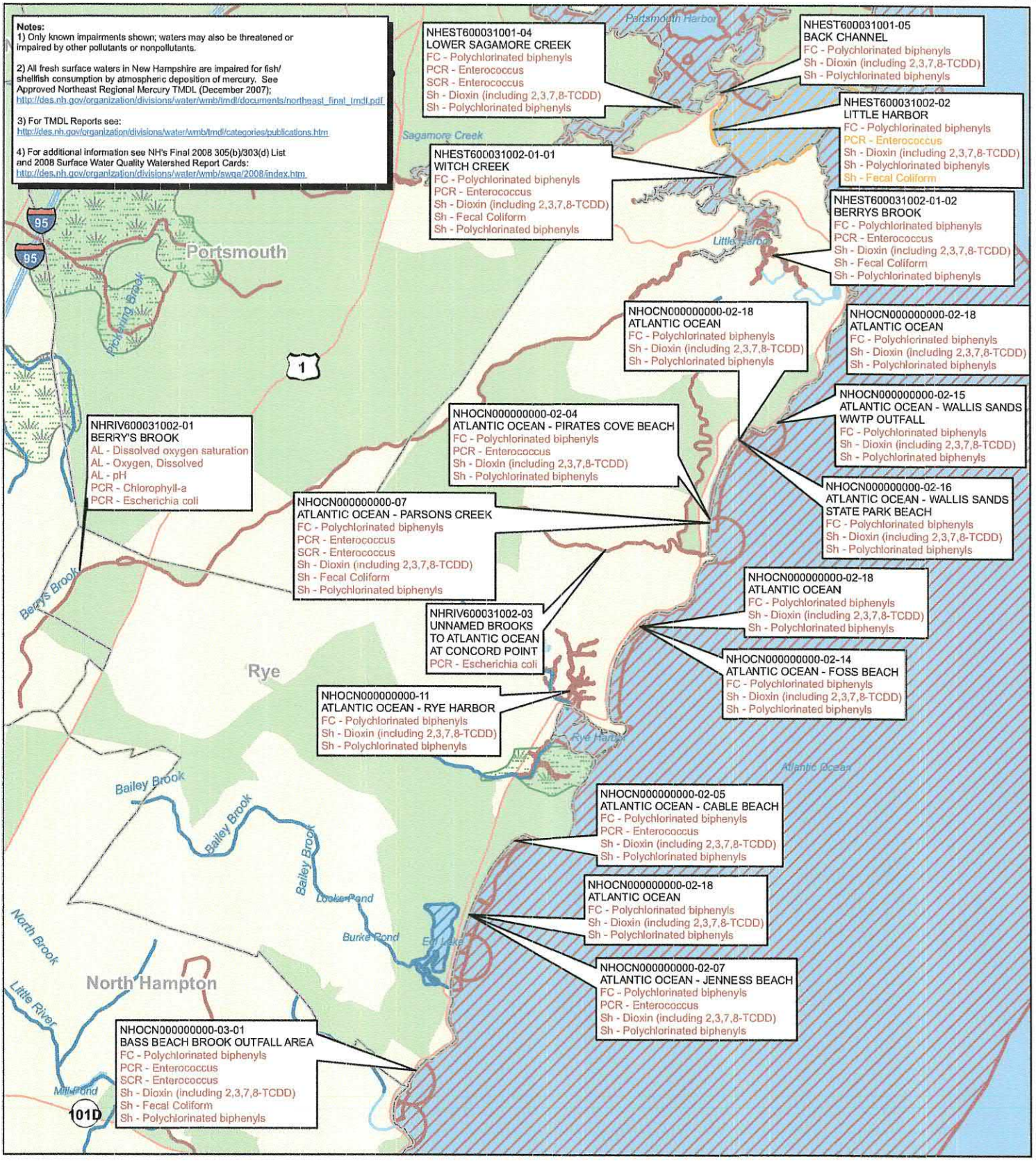
Town Population: **5290**

Regulated Population: **4951**

(Populations estimated from 2010 Census)

Urbanized Areas, Town Boundaries:
US Census (2000, 2010)
Base map © 2010 Microsoft Corporation
and its data suppliers

US EPA Region 1 GIS Center Map #8824, 11/19/2012



Surface Water Quality Status (September 2008)
Rye, NH

N

EPA United States Environmental Protection Agency New England

0 1 Miles

Map produced by EPA Region I GIS Center
Map Tracker ID 4270, December 2008
Data Sources: New Hampshire Dept of Environmental Services, National Hydrography Dataset, TeleAtlas, US Census Bureau, USGS

Waterbody Label

State ID
Waterbody Name
Category 4a Designated Use-Pollutant
Category 4b Designated Use-Pollutant
Category 4c Designated Use-Impairment
Category 5 Designated Use-Pollutant

Designated Use Abbreviations

AL = Aquatic Life
FC = Fish Consumption
PCR = Primary Contact Recreation
SCR = Secondary Contact Recreation
Sh = Shellfishing

Surface Waterbody

- Category 2: Meets water quality standards
- Category 3: Insufficient data to make assessment for any use
- Category 4a: TMDL is completed
- Category 4b: TMDL not required because other pollution control requirements are reasonably expected to result in WQS attainment
- Category 4c: TMDL not required since impairment is not caused by a pollutant
- Category 5: Impaired or threatened for one or more designated uses and requiring a TMDL (303(d) listed waterbody)

Swamp/Marsh

MS4 Urbanized Areas (2000 Census)

Appendix C
USFWS ESA Section 7 Letter

United States Department of the Interior

FISH AND WILDLIFE SERVICE

New England Field Office
70 Commercial St, Suite 300
Concord, NH 03301-5087
http://www.fws.gov/newengland

September 24, 2018

To whom it may concern:

The U.S. Fish and Wildlife Service (USFWS) reviewed the stormwater discharge activities associated with the 2017 National Pollutant Discharge and Elimination System (NPDES) New Hampshire (NH) Small Municipal Separate Storm Sewer System (MS4) general permit (2017 NH Small MS4 General Permit) issued by the Environmental Protection Agency (EPA). We determined those activities may affect, but are not likely to adversely affect, certain species listed under the Endangered Species Act (ESA) of 1973 (87 Stat. 884, as amended; 16 U.S.C. 1531 *et seq.*) when specific conditions are met. When these conditions are met, we do not need to review individual projects. These comments are provided in accordance with section 7 of the ESA and complement existing 2017 NH Small MS4 General Permit Appendix C Guidance. We understand the applicant is acting as a non-Federal representative of the EPA for the purpose of consultation under section 7. **This letter provides additional guidance for meeting Criterion B and should be submitted as part of your application package to the EPA.**

If the USFWS Information for Planning and Consultation website (https://ecos.fws.gov/ipac/) indicates your 2017 NH Small MS4 General Permit project action area may contain one or more of the following federally listed endangered species: roseate tern (*Sterna dougallii*), dwarf wedgemussel (*Alasmidonta heterodon*), Karner blue butterfly (*Lycaeides melissa samuelis*), northeastern bulrush (*Scirpus ancistrochaetus*), or Jesup's milk-vetch (*Astragalus robbinsii var. jesupi*); threatened species: Canada lynx (*Lynx Canadensis*), piping plover (*Charadrius melodus*), or red knot (*Calidris canutus rufa*); or their federally designated critical habitat; and the specific conditions listed below are met, you may submit this letter to complete the **2017 NH Small MS4 General Permit Appendix C: Step 4** in place of a concurrence letter for informal consultation as documentation of ESA eligibility for **USFWS Criterion B**.

In addition, this letter also satisfies the requirement in the **2017 NH Small MS4 General Permit Appendix C: Step 2 (3)** to contact the USFWS and obtain a concurrence letter, if you have not yet done so. If your project action area includes one or more of the above-listed species *and* one or more of the species listed under **Criterion C,**[1] you may still use this letter to certify under

[1] Criterion C includes guidance for project action areas that may contain species for which EPA has already made a determination. These species include the northern long-eared bat (*Myotis septentrionalis*) and small whorled pogonia (*Isotria medeoloides*) (2017 NH Small MS4 General Permit Appendix C: Step 3 – Determine if You Can Meet Eligibility USFWS Criterion C).

Criterion B. All existing guidance regarding requirements for certifying eligibility according to the USFWS Criterion A, B, or C for coverage by the 2017 NH Small MS4 General Permit (see 2017 NH Small MS4 General Permit Appendix C – Endangered Species Guidance) remains unchanged.

We have determined that proposed stormwater discharge activities covered under the 2017 NH Small MS4 General Permit *may affect, but are not likely to adversely affect*, the above-listed species and the species' critical habitat when the following are true:

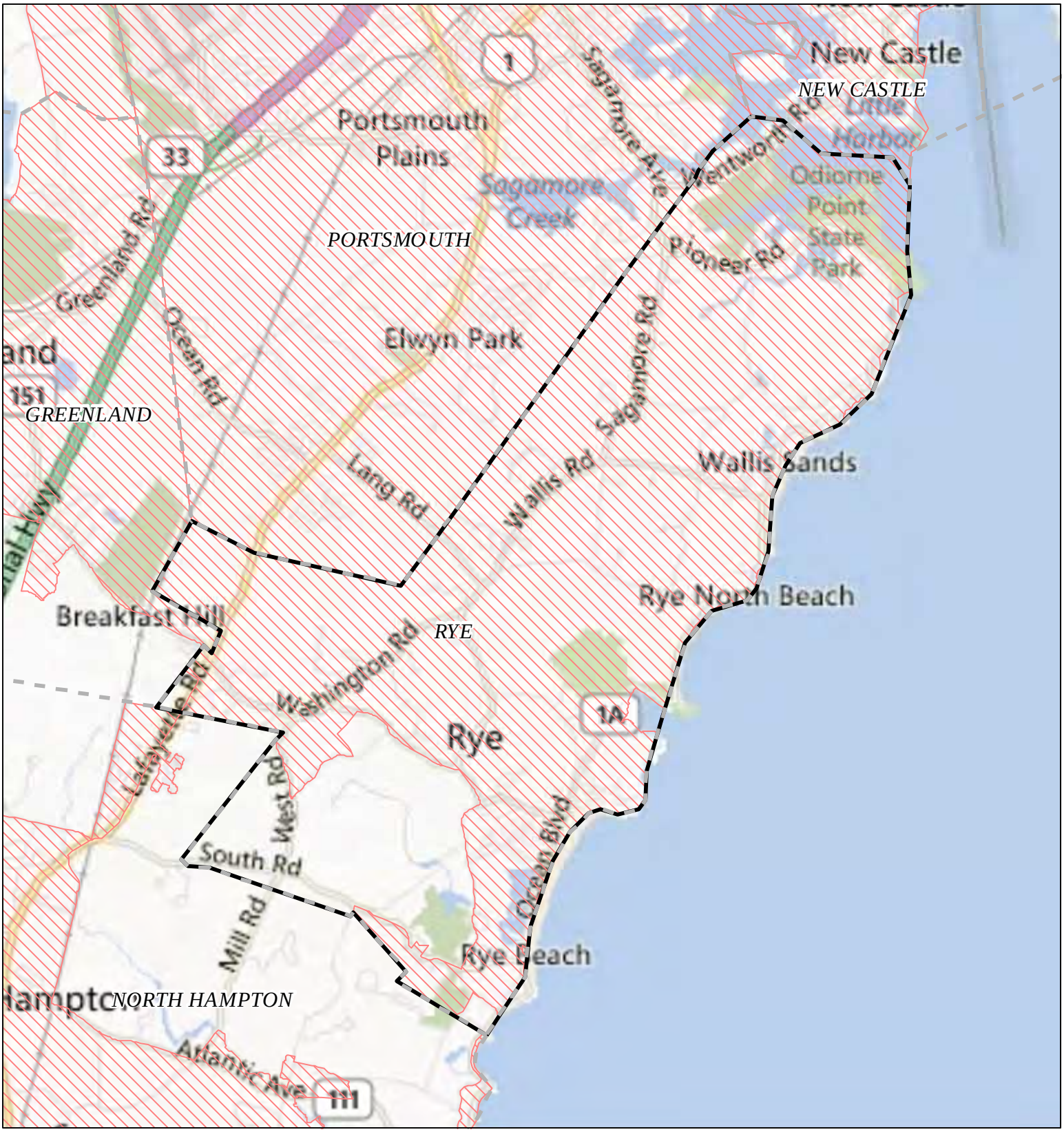
1. all stormwater discharges are pre-existing or previously permitted by EPA;
2. any planned operations and maintenance work covered by this permit will only affect previously disturbed areas where stormwater controls are already installed. In these situations the chance of encountering any of the subject species is discountable;
3. the project implements EPA MS4 Best Management Practices (BMPs) and meets Clean Water Act and New Hampshire Water Quality Standards. Although permitted discharges may reach the environment used by these species, BMPs reduce pollutants to the extent that discharges are not known to have measurable impacts on these species or their habitat;
4. no new construction or structural BMPs are proposed under this permit at this time; and
5. you agree that if, during the course of the permit term, you plan to install a structural BMP not identified in the Notice of Intent (NOI), you will re-initiate consultation with the USFWS as necessary (see **2017 NH Small MS4 General Permit Appendix C: Step 2 (5)**).

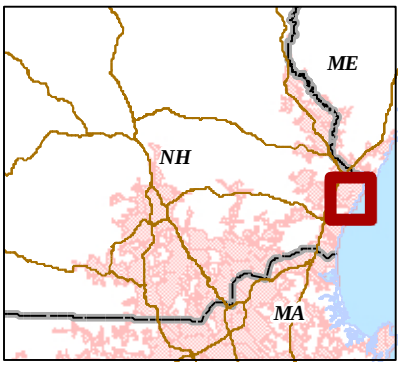
If the above criteria are met, further consultation with the USFWS under section 7 of the ESA is not required at this time; however, if the proposed action changes in any way such that it may affect a listed species in a manner not previously analyzed or if new information reveals the presence of additional listed species that may be affected by the project, the applicant or the EPA should contact us immediately and suspend activities that may affect those species until the appropriate level of consultation is completed with our office. Thank you for your cooperation, and please contact David Simmons of this office at (603) 227-6425 if you have questions or need further assistance.

Sincerely yours,

Thomas R Chapman
Supervisor
New England Field Office

Appendix D
Maps





NPDES Phase II Stormwater Program Automatically Designated MS4 Areas

Rye NH

Regulated Area (2000 + 2010 Urbanized Area)

0 1 2 3 4 Kilometers

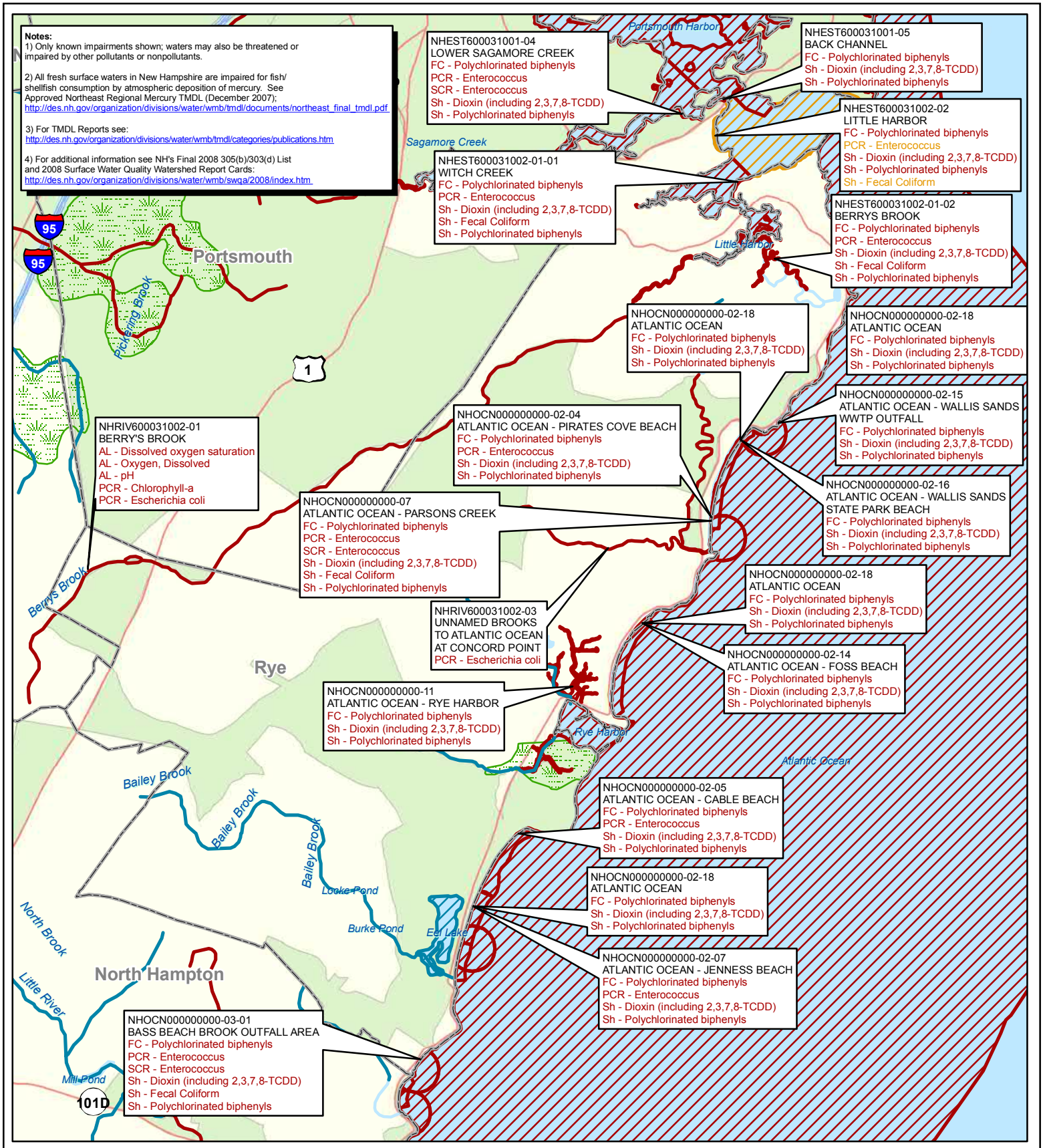
0 1 2 3 Miles

Town Population:	5290
Regulated Population:	4951

(Populations estimated from 2010 Census)

Urbanized Areas, Town Boundaries:
US Census (2000, 2010)
Base map © 2010 Microsoft Corporation
and its data suppliers

US EPA Region 1 GIS Center Map #8824, 11/19/2012



Surface Water Quality Status (September 2008)
Rye, NH

Waterbody Label

State ID
Waterbody Name
Category 4a Designated Use-Pollutant
Category 4b Designated Use-Pollutant
Category 4c Designated Use-Impairment
Category 5 Designated Use-Pollutant

Designated Use Abbreviations

AL = Aquatic Life
FC = Fish Consumption
PCR = Primary Contact Recreation
SCR = Secondary Contact Recreation
Sh = Shellfishing

Surface Waterbody

- Category 2: Meets water quality standards
- Category 3: Insufficient data to make assessment for any use
- Category 4a: TMDL is completed
- Category 4b: TMDL not required because other pollution control requirements are reasonably expected to result in WQS attainment
- Category 4c: TMDL not required since impairment is not caused by a pollutant
- Category 5: Impaired or threatened for one or more designated uses and requiring a TMDL (303(d) listed waterbody)

Swamp/Marsh

MS4 Urbanized Areas (2000 Census)

N

EPA United States Environmental Protection Agency New England

0 1 Miles

Map produced by EPA Region I GIS Center
Map Tracker ID 4270, December 2008
Data Sources: New Hampshire Dept of Environmental Services, National Hydrography Dataset, TeleAtlas, US Census Bureau, USGS

Appendix E
IDDE Plan

TOWN OF RYE

ILLICIT DISCHARGE DETECTION AND ELIMINATION (IDDE) PLAN

The Town of Rye's Illicit Discharge Detection and Elimination (IDDE) Plan is posted on the Public Works Department's webpage at the following web address: https://www.town.rye.nh.us/public-works. A hard copy of the IDDE Plan and supporting information for BMPs 3-1 through 3-8 is located at the Public Works Department office.

Appendix F
Land Development Regulations

TOWN OF RYE

LAND DEVELOPMENT REGULATIONS

The Town of Rye Land Development Regulations are being updated. The current regulations are posted on the Planning Department's webpage at the following web address: https://www.town.rye.nh.us/planning-department. When the regulations are formally amended, the updated version will be posted on the Planning Department's webpage and a hard copy of the Land Development Regulations will be added to this appendix.

Christine Rinehart

From:	Dennis McCarthy <DMcCarthy@town.rye.nh.us>
Sent:	Thursday, September 12, 2019 9:47 AM
To:	Christine Rinehart
Subject:	FW: Appendix B
Attachments:	Appendix B only.docx

FYI

From: Kim Reed <KReed@town.rye.nh.us>
Sent: Wednesday, September 11, 2019 3:06 PM
To: Dennis McCarthy <DMcCarthy@town.rye.nh.us>; Paul Paradis <PParadis@town.rye.nh.us>; Milon Marsden <MMarsden@town.rye.nh.us>; Peter Rowell <PRowell@town.rye.nh.us>; Becky Bergeron <BBergeron@town.rye.nh.us>; Michael Donovan <MDonovan@town.rye.nh.us>; Julie LaBranche - Rockingham Planning Commission (jlabranche@therpc.org) <jlabranche@therpc.org>
Subject: FW: Appendix B

Attached you find Appendix B to the Rye Land Development Regulations. This appendix was voted and accepted as part of the Land Development Regulations. The legal notice was posted in the Portsmouth Herald and the Public hearing held last night.

Kimberly M. Reed, CFM
Planning & Zoning Administrator
Town of Rye
10 Central Road, Rye NH 03870
603-379-8081

APPENDIX B
CONSTRUCTION SITE RUNOFF – EROSION AND SEDIMENT CONTROL STANDARDS

608.1 PURPOSE AND STANDARDS

A. The purpose of these standards is to safeguard persons, protect property, prevent damage to the environment and promote the public welfare by guiding, regulating, and controlling the design, construction, use, and maintenance of any development or other activity that disturbs or breaks the topsoil or results in the movement of earth on land during construction as part of an application for Site Plan Review or Subdivision.

B. An Erosion and Sediment Control Report and plans, adhering to the standards of this regulation, shall be submitted with a Site Plan Review application, if applicable, and shall be prepared and certified by a licensed NH Professional Engineer.

C. An Erosion and Sediment Control Plan is not required for the following activities:
   1. Any emergency activity that is immediately necessary for the protection of life, property, or natural resources.
   2. Existing nursery and agricultural operations conducted as a permitted primary use or accessory use.

D. The Performance Guarantee required in Section 703 shall be sufficient to cover all costs of improvements, landscaping, maintenance of improvements for such period as specified by the Planning Board, and engineering and inspection costs to cover the cost of failure or repair of improvements installed on the site.

608.2 EROSION AND SEDIMENT CONTROL PLAN REQUIREMENTS

A. The Erosion and Sediment Control Plan shall include the following:

   1. A natural resources map identifying soils, forest cover, and resources protected under other sections of the Land Development Regulations, Zoning Ordinance or other local regulations.

   2. A sequence of construction of the development site, including stripping and clearing; rough grading; construction of utilities, infrastructure, and buildings; and final grading and landscaping. Sequencing shall identify the expected date on which clearing will begin, the estimated duration of exposure of cleared areas, areas of clearing, installation of temporary erosion and sediment control measures, and establishment of permanent vegetation.

   3. All erosion and sediment control measures necessary to meet the objectives of this regulation throughout all phases of construction and after completion of development of the site. Depending upon the complexity of the project, the drafting of intermediate plans

may be required at the close of each season.

4. Seeding mixtures and rates, types of sod, method of seedbed preparation, expected seeding dates, type and rate of lime and fertilizer application, and kind and quantity of mulching for both temporary and permanent vegetative control measures.

5. Provisions for maintenance of control facilities, including easements and estimates of the cost of maintenance.

B. Modifications to the Erosion and Sediment Control plan shall be processed and approved or disapproved by the Planning Board by written authorization to the permittee as follows.

1. Major amendments of the approved Erosion and Sediment Control plan.

2. Field modifications of a minor nature may be approved by the Town Engineer or other municipal staff upon inspection.

608:3 BEST PRACTICES FOR SITE PLAN REVIEW APPLICATIONS

A. All Site Plan Review applications must submit the following information and shall comply with the following standards.

1. Apply best management practices that accommodate the increased runoff caused by changed soil and surface conditions during construction, including strong perimeter controls and soil stabilization methods. Sediment in stormwater runoff shall be contained by the use of sediment basins or other acceptable methods until the disturbed area is stabilized. Techniques that divert upland runoff away from disturbed slopes shall be used.

2. Identify, locate, and show elevation, grades and/or contours at intervals of not more than two (2) feet for the existing and proposed drainage ways, drainage easements, drainage structures, and any surface water bodies.

3. Identify and relatively locate and include drawings and specifications for each erosion and sediment control measure and structure proposed during construction, noting those measures that will become permanent structures retained after construction. Erosion and sediment control measures and structures shall be designed in accordance with the New Hampshire Stormwater Manual Volume 3: Erosion and Sediment Controls During Construction (NH Department of Environmental Services, December 2008, as amended) or new standards and guidance as released or adopted by the NH Department of Environmental Services.

4. Include drawings, details and specifications for proposed flood hazard prevention measures and structures and for proposed temporary stormwater management facilities.

5. Ensure that disturbance to or removal of vegetation, grading or other construction will be done in such a way that will minimize soil erosion. Whenever practical, natural vegetation shall be retained, protected and supplemented to function as buffers.

6. Construction sites must be stabilized within five days of clearing or inactivity in construction. Temporary application of seed and/or mulch may be required by the Planning Board to protect exposed critical areas during development. Techniques shall be employed to prevent the blowing of dust or sediment from the site. In areas where final grading has not occurred, temporary stabilization measures should be in place within 7 days for exposed soil areas within 100 feet of a surface water body or wetland and no more than fourteen (14) days for all other areas. Permanent stabilization should be in place no more than 3 days following the completion of final grading of exposed soil areas. At the close of the construction season, the entire site must be stabilized, using a heavy mulch layer, or another method that does not require germination to control erosion.

7. Waste Removal and Disposal.
   a. All waste generated on the site shall be controlled and discarded properly including but not limited to building materials, concrete and concrete washout effluent, chemicals, litter and sanitary wastes.

   b. Waste shall not be discharged to the municipal MS4 system.

608:4 INSPECTION AND ENFORCEMENT

A. The agent designated by the Planning Board shall make inspections as described below and shall either approve that portion of the work completed or shall notify the applicant/property owner and the Planning Board when and how the construction activity(s) fails to comply with the approved erosion and sediment control plan. All plans bearing the stamp of approval of the designated agent shall be maintained at the site during construction. In order to obtain inspections, the applicant/property owner shall notify the designated agent at least one week before the following required site inspections:
   1. Proposed erosion and sediment control measures are located and staked on the site before the start of construction.
   2. Erosion and sediment control measures are in place and stabilized.
   3. Site clearing and preparation has been completed.
   4. Rough grading has been completed.
   5. Final grading has been completed.
   6. Close of the construction season.
   7. Final landscaping has been completed.

B. The permittee or his/her agent shall make regular inspections of all control measures in accordance with the inspection schedule outlined on the approved Erosion and Sediment Control Plan(s). The purpose of such inspections will be to determine the overall effectiveness of the control plan and the need for additional control measures. All inspections shall be documented in written form and submitted to the agent designated by the

Planning Board at the time interval specified in the approved plan.

C. The Town or its designated agent shall enter the property of the applicant as deemed necessary to make regular inspections to ensure the validity of the reports filed under Section B.

D. Stop-Work Order. In the event that any person holding a site development permit pursuant to this ordinance violates the terms of the permit or implements site development in such a manner as to materially adversely affect the health, welfare, or safety of persons residing or working in the neighborhood or development site so as to be materially detrimental to the public welfare or injurious to property or improvements in the neighborhood, the Town may issue a Stop-Work Order.

E. Violation and Penalties. No person shall construct, enlarge, alter, repair, or maintain any grading, excavation, or fill, or cause the same to be done, contrary to or in violation of any terms of this ordinance. Any person violating any of the provisions of this ordinance may be fined and each day during which any violation of any of the provisions of this ordinance is committed, continued, or permitted, shall constitute a separate offense. Upon finding of such violation, such person, partnership, or corporation shall be levied a fine of not more than $ 500.00 for each offense. In addition to any other penalty authorized by this section, any person, partnership, or corporation convicted of violating any of the provisions of this ordinance shall be required to bear the expense of such restoration.

Appendix G
O&M Procedures, Plans, and Guidelines

TOWN OF RYE

O&M PROCEDURES, PLANS, AND GUIDELINES

The Town of Rye O&M procedures, plans, and guidelines for MCM 6 Good Housekeeping and Pollution Prevention will be added to this appendix and/or to the Public Works Department's webpage at the following web address: https://www.town.rye.nh.us/public-works, when they are developed.

RYE PUBLIC WORKS
STANDARD OPERATING GUIDELINE

DATE: May 31, 2019 **SOG NUMBER:** Thirty (30)

SUBJECT: **Road Sweeping & Catch Basin Cleaning**

ISSUED BY: Dennis G. McCarthy, Public Works Director

General: The removal of debris from roads and drainage structures is the responsibility of the Highway Department and is necessary to maintain the quality of the urban stormwater runoff.

Intent: The intent of this guideline is to provide guidance for department staff, comply with Municipal Separate Stormwater Sewer System (MS4) requirements and in doing so protect against degradation of the water quality of the urban stormwater runoff.

Implementation: Each year road sweeping and catch basin cleaning services shall be contracted for by the Public Works Director or his designee. The Highway Foreman or his designees shall be responsible to insure the following:

SWEEPING

- Road sweeping services shall be contracted for the sweeping of all town-maintained roads, and town owned parking lots accordance with the Town's standard road sweeping request for proposal, on file in the Contracted Services file.

- All road sweepings shall be transported back to the Public Works yard and maintained in an isolated and discreet pile until road sweeping is completed each year.

- The Highway Foreman shall maintain a permanent record of the estimated quantity of material removed from the roads and lots, each year, and record same in the Contracted Services, Road Sweeping file.

- Upon completion of all road sweeping each year, and after recording of the sweeping quantity, the sweepings may be incorporated into the transfer station's compost.

CATCH BASIN CLEANING

- Catch Basin Cleaning services shall be contracted for the cleaning of a minimum of twenty percent (20%) of the town's road, and parking lot catch basins in accordance with the Town's standard catch basin cleaning request for proposal, on file in the Contracted Services file.

- In addition to cleaning twenty percent of all town catch basin the department shall also clean any structures which were filled to greater than fifty percent of their sump capacity the prior year, plus any which may have been impacted by recent construction activity.

- All material removed from the catch basin shall be transported back to the Public Works yard and maintained in an isolated and discreet pile, until catch basin cleaning is completed.

- The Highway Foreman shall maintain a permanent record of the estimated quantity of material removed from the catch basins each year and record same in the Contracted Services, Catch Basin Cleaning file. In addition, the Highway Foreman shall maintain a record of which basins sumps were more than fifty percent full.

- The Highway Forman shall assign at least one department employee to work with the contracted cleaner, and record the following information on the attached tabulation form. Cleaning Date, Contractor, Public Works Staff, Catch Basin Number, Road, Percent Sump Capacity Full, Structure Condition, Frame & Grate Condition. A copy of the Catch Basin Cleaning Record form is attached.

- The Catch Basin Cleaning tabulation form shall be maintained as a permanent part of the Contracted Services file.

Compliance: Non-compliance with this guideline may result in disciplinary action.

Timeframe: This SOG shall go into effect on Friday, May 31, 2019, and stay in effect until superseded, or rescinded by the Public Works Director.

END OF SOG NO. 30

CATCH BASIN CLEANING RECORD

CONTRACTOR:					STAFF:	
DATE	ROAD NAME	CATCH BASIN NUMBER	SUMP CAPASITY (1/4, 1/2, 3/4, FULL)	STRUCTURE CONDITION (POOR, FAIR, GOOD)	GRATE CONDITION (POOR, FAIR, GOOD)	COMMENTS

RYE PUBLIC WORKS
STANDARD OPERATING GUIDELINE

DATE: May 2, 2011 **SOG NUMBER:** Ten (#10)

SUBJECT: Snow & Ice Removal and Control

ISSUED BY: Dennis G. McCarthy, Public Works Director

Purpose: It is the goal and intent of the Rye Public Works Department through its Highway Division to provide timely, efficient and cost-effective winter maintenance, snow removal and ice control on the roadways of the municipality for the safety and benefit of the Town's residents and the general motoring public.

General: The above stated purpose is attained by implementation and execution of the procedures and tasks which are outlined in this guideline. Due to the many variables inherent in New England weather, each storm and weather event is unique and will require different effort and/or emphasis on any of a number of tasks which together determine the overall snow and ice removal and control or winter maintenance strategy.

Command: Direction of all winter maintenance activity is under the direct command of the Highway Working Foreman, and the general direction of the Director of Public Works or their designees.

Manpower: The Town of Rye Public Works Department has eight (8) full-time personnel, and one (1) part time employee. All employees are needed and are expected to participate in snow and ice removal operations.

Equipment: The Public Works Department Highway Division has one - backhoe, one - front end loader, four - six wheel dump trucks, two - one ton dump trucks, and two - pick-up trucks assigned to it. Snow and ice removal operations utilize all the equipment assets of the Highway Division.

Communications: All the Highway Division rolling stock is equipped with two-way radios capable of transmitting and receiving on a frequency of 156.045 MHZ. Each plow and equipment operator is assigned a unique call number. A list of all call numbers is appended to this document. A mobile radio is also maintained at the Highway Division garage. The Public Works Department does not have a dispatch center. All Town emergency vehicles are equipped to transmit and receive the Public Works frequency. Drivers and operators shall monitor radio communications at all times. As such, commercial radios shall not be operated at audio volumes which would hinder hearing the communications radio. In addition, any electronic equipment such as I-Pods or Telephones shall not be allowed if they create a distraction to hearing and understanding radio communications.

Routes: The Town is divided into four treatment routes and seven plow routes. Each of the four six wheeled dump trucks is assigned a treatment route, consisting of approximately one quarter of the Town maintained road mileage each. The four six wheel dump trucks, the front end loader, and the two pick-up trucks are each assigned to a plow route. The one ton truck, which is equipped with a spreader, is assigned to the Highway Foreman and is available to move between the assigned routes and handle problem areas should they arise. The remaining one ton dump truck is maintained in reserve.

The Town's backhoe stays in the Public Work's yard and is employed for salt and sand loading. Each driver is expected to load his own vehicle, utilizing the backhoe.

Materials: The Department uses approximately 1,500 tons of rock salt and 500 tons of sand each season. The sand is used as an abrasive and is applied to the road to improve the public's motor vehicles traction. Salt is employed by the Department as a de-icing and anti-icing agent. Sand and salt is purchased from a supplier as needed. The Town's salt shed consists of two bays, each capable of holding approximately 120 tons of material. One bay is filled with salt only and the second bay is filled with a sand salt mix.

Terminology: In an effort to avoid operational confusion the following standardized terminology with activity definitions is established and employed.

"Treat Routes": Roads will be treated with straight salt or a sand/salt mixture only. The mixture proportion will be determined by the Highway Foreman. Salt will be spread along the center of the roadway in a width of two to eight feet. Drivers will go over their assigned route hitting all roads, intersections and turn arounds in such a manner that one back tracks as little as possible.

"Sand Roads": Roads will be treated with straight sand for the travel width. Reserved for gravel roads and reduced salt roads.

"Treat Main Drags": Drivers shall treat just the high volume portions of their routes normally designated as being those roads with double yellow traffic markings. Normally requested during periods of severe snowfall.

"Keep Routes Open": Keeping the center of the roads open by making one plow pass in each direction; not spending a lot of time cleaning intersections and/ or turn arounds. This normally will be requested while snow is still falling and there is a need to finish the routes in as short a time as possible.

"Keep Main Drags Open": Similar to Keeping Routes Open but only performing the task on roads with double yellow lines. Normally requested only when snow is accumulating at greater than one inch per hour and it becomes imperative to concentrate all efforts on the main roads only. (Snow falls of greater than one inch per hour has the potential of having three to four inches of snow on the roads at the beginning of the routes before a driver gets back to the beginning of their route. Motor vehicles begin to get stuck when there is an accumulation of four inches on the road.)

"Clean-up Routes": Plow all roads, intersections and turn arounds by making multiple passes to ensure all accumulated snow has been removed from the full width of the travel way. Normally not performed until the snow has stopped or stopped accumulating.

"Slush Off": Scrape off any snow, ice or combination of each that has been loosened from salt treatment. Normally will require only one pass in each direction unless instructed to slush off and clean up.

"Push Back": After several storms, or one large storm it may be necessary to send plows out to push back accumulated windrows of snow or to shelf same. If this operation is performed well after a storm event the loader, backhoe or pick-up truck should accompany the plows to clean up intersections and residents driveway after pushing back or shelving.

Documentation: Each driver shall maintain a plow activity log on the form provided (See Appendix A) and complete and turn the form into the foreman prior to the end of the shift. The Highway Foreman shall complete a storm log (See Appendix B) upon completion of all snow removal activities using the driver's activity logs. The Director shall summarize the foreman's storm log on a Yearly Storm Event Summary (See Appendix C).

Leave: No leave shall be requested nor will it be granted for the duration of November 15th through April 15th of each calendar year unless said leave is subject to immediate recall.

Refueling: Each driver or operator shall fuel up the vehicle or equipment they operated that shift before leaving at the end of the shift so all equipment is filled up and ready to go immediately.

Execution: Upon notification by the on duty Police or Fire Personnel or upon determination of the need for action by the Public Works Director or Highway Department Foreman, the Highway Foreman or his designee will initiate operations by calling in the appropriate and necessary manpower and equipment.

Implementation: Due to the many variables inherent in dealing with snow and ice removal such as temperature, time of day, day of week, interruptions, intensity, snow type, etc. each snow event is unique and the operations must be specifically crafted to address the event. However, generally the storm event will be addressed as outlined in the following Operations section.

Operations: As previously stated, each winter weather event is unique and requires slightly different tasks to reach the same final condition. It is anticipated that a typical snowfall event will be handled as follows:

Treat: The first task to be addressed is the treatment of roads with salt. All roads, with the exception of gravel roads, will be treated with an application of approximately 400 pounds of straight rock salt per lane mile. This treatment is necessary to develop slurry of brine on the road surface under the accumulating snow, in order to ensure the said accumulating snow does not adhere or bond to the road surface. Salt will be applied to the center of the roadway, where traffic will work the brine across the roadway. Salt has a lower working limit of approximately 10 degrees Fahrenheit; therefore no salt will be applied if the outside ambient temperature is below this limit. Other de-icing agents are effective to lower temperatures and salt may be treated with one of these additives if deemed necessary.

Sand will be applied on an as needed basis. The main function of an application of sand will be to assist motorists in obtaining traction on ice or snow covered roads, or when road temperatures are below the effective range of salt (10 F.).

Plow: The Highway Division shall start to plow all routes upon the accumulations of approximately two inches of snowfall. The Director of Public Works or his designee may, at his discretion based upon weather information reports, elect to not remove snow until greater or lesser accumulations. All routes will begin at the Public Works Garage. Each operator will work systematically around their respective routes. No operator will leave his or her assigned route unless he/she has the approval of the Highway Working Foreman or his designee. Level of plowing shall be determined by the Highway Foreman in accordance with the efforts outlined in the terminology section.

Clean Up: As the storm winds down the crews will begin the final plow round which includes removing snow from all intersections, cul-de-sacs, and turn arounds, along with removal from the full width of the road.

Final Treatment: After the storm has finished, treatment of the roads will begin when all the routes have been cleaned up. Treatment may consist of sand, sand/salt mix, straight salt, or no treatment at all. The Highway Working Foreman or his designee will determine the most appropriate material to be used based on current weather, expected weather, time of year and temperature.

Suspension: During storms of a long duration, and if snow fall rates are less than 1 inch per hour, the Public Works Director or his designee may elect to shut down snow removal operations. Current weather conditions, weather forecasts, as well as day of the week will be considered before operations will be shut down. Shut down should occur late at night after the majority of traffic has ceased. This period will last no longer than 4 hours and may last for a shorter time period if weather conditions change. It will be the responsibility of all operators to be sure and get the needed rest during this period.

Schools: The Highway Department has the responsibility for the clearing of snow and winter treatment of the Elementary and Junior Highway School's parking lots and access drives. On days when school is in session, the Highway Division will make every effort to time winter maintenance efforts to maximize school site clearing, then bus route clearing.

The school superintendent or designated official representative may contact the Director or Highway Foreman to determine the condition of the municipality's roads in order to determine the safety of students using school buses. The School Superintendent has the singular authority to cancel school and associated school activities.

Parking: The Town has enacted a winter parking ban effective from November 1st to April 1st of each year. This ban prohibits parking in or on the Town's roads or rights of way (ROW) between the hours of 11:00 PM and 6:00 AM. The Town has the right to tow or ticket violators. The purpose of this winter parking ban is to allow winter maintenance crews unobstructed snow removal and ice control routes, as much as possible, to maintain the maximum effectiveness of their efforts.

Priorities: With a total of 45 miles of roads from which to remove snow and control ice, the Highway Division has to assign priorities for winter maintenance route activity in order to maximize the effectiveness of their efforts for the motoring public.

A. School bus routes will be given a priority during school days. It takes approximately 3 hours to properly prepare a route for bus traffic; the timing of the storm could have an effect on proper preparation of all routes. Each plow route operator will make every possible attempt to see that the best possible snow clearance will be completed on their route. The School District shall be responsible for informing the Public Works Department to any changes in the normal school routine.

B. The Town Office and Safety Complex will be maintained as early and often as possible during business hours. Steps and walkways will be maintained as time and personnel permits, Town Office and Police Department staff will have to assist in keeping the steps and walkways clear during working hours. Public Safety is a very great concern in this area due to many cars and pedestrians in the area, but our limited resources will dictate our ability to maintain these areas.

C. Public parking areas at the Town Offices, and each municipal department, will be maintained by plowing during the winter storm. The application of slip resistant materials will be applied after the storm, as determined to be needed by the Director of Public Works.

D. Transfer Station/Recycle Center: Transfer station personnel are required to assist with the Town's general winter maintenance operations. If the facility is open during the snow or ice storm, personnel will plow this area prior to opening for public use. Public areas shall be kept as clear as possible to provide as safe access as reasonably possible. Sand and other slip resistant materials shall be used in public areas. It often will not be possible to maintain clear ground, but a reasonable effort will be made during storms. Should storm conditions and work load require the Transfer Facility will be shut down without notice.

Sidewalks: The Town of Rye does not maintain sidewalks as part of its winter maintenance activities. The other areas not maintained by the Town include:

a. Town roads classified as Class VI roads

b. Private roads

c. School District sidewalks and parking areas, which are the responsibility of the school district.

d. Parking Area and Sidewalks for the United States Post Office

e. Private property

f. State roads and property

Limited Salt Areas: The Town of Rye has established the following roadways or portion of roadways as limited salt areas.

a. Garland Road

Damages: Although the Highway Division makes every attempt to avoid damage to private property, it should be noted that the municipality isn't held responsible for damage to private property that is located within the public right of way. The right of way (ROW) is often 50' wide, and is often confused by property owners as their own property. In most cases, the ROW often extends 10 to 20 feet of either side of the paved or gravel road. Homeowners often cultivate extensions of their lawns, place mailboxes, erect fences or stonewall in these areas, which improves the appearance of the street greatly, but is obstructive to good maintenance being conducted on the roadway.

In the event of personal property damage, the Town will only be responsible to repair or replace damaged mailboxes having been in actual contact with the snow removal equipment.

Post Storm Operations: As determined by the Director of Public Works, the snow banks resulting from the previous accumulations shall be pushed back, or shelved to make space for future snow storms accumulation.

Interruptions: This guideline is intended to serve as the normal operating procedures for winter maintenance, snow removal and/or ice control. One or more of the following, which may delay or prevent the implementation of this policy, may affect all or any part of this Policy:

- Equipment Breakdown
- Snow Accumulation in Excess of 1" Per Hour
- Freezing Rain or Other Icing Conditions
- Traffic Congestion
- Emergencies
- Personnel illness

Scope: This guideline shall apply to all Public Works staff.

Compliance: Staff not complying with this guideline shall be subject to the appropriate incremental discipline, with repeat offenders subject to dismissal.

Timeframe: This guideline shall go into effect Monday, May 2, 2011 and remain in effect until superseded, or rescinded by the Public Works Director.

END OF SOG NO TEN.

Appendix H
DPW SWPPP

TOWN OF RYE

DPW STORMWATER POLLUTION PREVENTION PLAN (SWPPP)

The Town of Rye DPW SWPPP is currently being developed. When the SWPPP is finalized, it will be posted on the Public Works Department's webpage at the following web address: https://www.town.rye.nh.us/public-works. A hard copy of the SWPPP and supporting documentation will be located at the Public Works Department office.

WRIGHT-PIERCE
Engineering a Better Environment

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