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

Part I: General Conditions

General Information

Name of Municipality or Organization: GREENLAND State: NH

EPA NPDES Permit Number (if applicable): NHRO41000

Primary MS4 Program Manager Contact Information

Name: KAREN ANDERSON Title: TOWN ADMINISTRATOR

Street Address Line 1: 11 TOWN SQUARE

Street Address Line 2: PO BOX 100

City: GREENLAND State: NH Zip Code: 03840

Email: kanderson@greenland-nh.com Phone Number: (603) 431-7111

Fax Number: (603) 430-3761

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)* 100%

If 100% of 2003 requirements not met, enter an estimated date of completion (MM/DD/YY): 03/06/05

Web address where MS4 map is published: www.greenland-nh.com

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): 07/20/17

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): 07/20/17

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): 07/20/17

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Part II: Summary of Receiving Waters

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

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

Waterbody that receives flow from the MS4 and segment ID if applicable	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
FOSS BROOK, NHRIV60030904-05		☐	☐	☐	☐	☐	☐	☐	☒	☐	MERCURY
PICKERING BROOK, NHEST600030904-04-03	2	☒	☐	☒	☐	☐	☐	☐	☒	☐	COPPER, IRON, MERCURY, pH
PACKER BROOK -NHRIV60030901-05	2	☐	☐	☒	☐	☐	☐	☐	☐	☐	MERCURY, pH
HAINES BROOK-NHRIV60030901-03	1	☐	☐	☐	☐	☐	☐	☐	☒	☐	MERCURY
WINNICUT RIVER-NHRIV60030904-01	4	☐	☐	☒	☐	☐	☐	☐	☐	☐	DIOXIN, MERCURY, ESTUARINE BIOASSESSMENTS,FECAL COLIFORM, POLYCHLORINATED BIPHENYLS
WINNICUT RIVER DAM -POND-NHRIV60030901-02		☐	☐	☒	☐	☐	☐	☐	☒	☐	MERCURY, pH
THOMPSON BROOK-NHRIV60030901-02		☐	☐	☒	☐	☐	☐	☐	☒	☐	MERCURY
NORTON BROOK-NHRIV60030901-06		☐	☐	☒	☐	☐	☐	☐	☒	☐	MERCURY
SHAW BROOK -NHRIV60030904-13		☐	☐	☒	☐	☐	☐	☐	☒	☐	MERCURY
BERRY'S BROOK -NHRIV60031002-01		☐	☐	☒	☐	☐	☐	☐	☒	☐	MERCURY, pH
UNNAMED BROOK TO GREAT BAY -NHRIV60030904-21		☐	☐	☐	☐	☐	☐	☐	☒	☐	MERCURY
		☐	☐	☐	☐	☐	☐	☐	☐	☐	
		☐	☐	☐	☐	☐	☐	☐	☐	☐	
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		☐	☐	☐	☐	☐	☐	☐	☐	☐	

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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**
Web Page and other promotional materials	Design and distribute outreach materials, utilizing resources such as the Seacoast Stormwater Coalition to provide outreach for relevant town wide impairments.	Residents	Town Administrator with assistance from Conservation Commission	Increased Awareness of pet waste impact s, Increased awareness of impacts from yard waste and fertilizer use.	2019
Brochures/Pamphlets	Provide educational materials and guidance for implementing awareness to relevant impairments.	Businesses, Institutions and Commercial Facilities	Town Administrator with assistance from Building Inspector	Increased awareness of impacts from parking lot maintenance, use of salt and proper disposal of materials.	2019
Meeting	Clearly expalin requirements for pre and post development for storm water protection.	Developers (construction)	Planning/zoning Department	Compliance with regulations for pre and post development construction practices. Local developers aware of federal regulations.	2019
Brochures/Pamphlets	Provide Outreach and guidance for regulations assoicated with industrial uses.	Industrial Facilities	Town Administrator	Greenland currently does not have any industrial facilities.	2020
Special Events/Festivals/Fairs	Hand out inforamtion to residents when registering dogs.	Residents	Town Administrator assisted by Town Clerk's Office	Fewer complaints regarding irresponsible pet owners.	2020

Newspaper Articles/Press Releases	Submit article for publication regarding the importance of protecting ground water.	Businesses, Institutions and Commercial Facilities	Town Administrator	Improved site "housekeeping" at businesses.	2021
Displays/Posters/Kiosks	Create display at Town Office for developers.	Developers (construction)	Planning/zoning Department	Improved quality of stormwater management plans submitted during planning process.	2022
Web Page	Outline all requirements for on-line reference.	Industrial Facilities	Town Administrator	Greenland currently does not have any Industrial facilities.	2022
Brochures/Pamphlets	Provide information to owners of septic systems about proper maintenance.	General Public	Town Administrator	Fewer failed septics	2020
Brochures/Pamphlets	Provide information to owners of septic systems about proper maintenance.	Businesses, Institutions and Commercial Facilit	Town Administrator	Fewer failed septics	2021

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	SWMP Review: The SWMP will be posted on the town's website for pub	Planning/zoning Department	Allow annual review of stormwater management plan and posting of stormwater management plan on website	2020
Public Participation	The SWMP will be explained annually in the Town Report with requ	Town Administrator	Allow public to comment on stormwater management plan annually	2020

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)
SSO inventory	Develop SSO inventory in accordance of permit conditions	Not applicable	Greenland does not have any sanitary sewer at this time.
Storm sewer system map	Create map and update during IDDE program completion	Building Inspector	Update map annually, full system map available electronically in 2022
Written IDDE program development	Create written IDDE program	Town Administrator	Complete within 1 year of ethe effective date of permit and update as required.
Implement IDDE program	Implement catchment investigations according to program and permit conditions	Building Inspector	Complete by 2023
Employee training	Train employees on IDDE implementation	Town Administrator	Train annually
Conduct dry weather screening	Conduct in accordance with outfall screening procedure and permit conditions	External Contractor	Complete by 2022
Conduct wet weather screening	Conduct in accordance with outfall screening procedure	External Contractor	Complete by 2023
Ongoing screening	Conduct dry weather and wet weather screening (as necessary)	External Contractor	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)
Site inspection and enforcement of Erosion and Sediment Control (ESC) measures	Review complete written procedures of site inspections and enforcement procedures and amend if necessary.	Building Permitting and Enforcement	Complete within 1 year of the effective date of permit
Site plan review	Review complete written procedures of site plan review.	Planning/zoning Department	Complete within 1 year of the effective date of permit
Erosion and sediment control	Review requirements for construction operators to implement a sediment and erosion control program and amend if necessary.	Planning/zoning Department	Complete within 1 year of the effective date of permit
Waste control	Adoption of requirements to control wastes, including but not limited to, discarded building materials, concrete truck wash out, chemicals, litter, and sanitary wastes	Building Department and Planning Department	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 control	The procedures to require submission of as-built drawings and ensure long term operation and maintenance will be a part of the SWMP	Planning Board	Require submission of as-built plans for completed projects
Target properties to reduce impervious areas	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	Town Administrator	Complete 4 years after effective date of permit and report annually on retrofitted properties
Allow green infrastructure	Develop a report assessing existing local regulations to determine the feasibility of making green infrastructure practices allowable when appropriate site conditions exist	Town Administrator	Complete 4 years after effective date of permit and implement recomendations of report
Street design and parking lot guidelines	Develop a 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.	Town Administrator	Complete 4 years after effective date of permit and implement recommendations of report

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**
O&M procedures	Create written O&M procedures including all requirements contained in 2.3.7.1 for parks and open spaces, buildings and facilities, and vehicles and equipment	Town Administrator	Complete and implement 2 years after effective date of permit	2020
Inventory all permittee-owned parks and open spaces, buildings and facilities, and vehicles and equipment	Create inventory	Town Administrator	Complete 2 years after effective date of permit and implement annually	2019
Infrastructure O&M	Establish and implement program for repair and rehabilitation of MS4 infrastructure	External Contractor	Complete 2 years after effective date of permit	2021
Stormwater Pollution Prevention Plan (SWPPP)	Create SWPPPs for maintenance garages, transfer stations, and other waste-handling facilities	Town Administrator	Complete 2 years after effective date of permit	2021
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	Town Administrator	Clean catch basins on established schedule and report number of catch basins cleaned and volume of material moved annually	2019
Street sweeping program	Sweep all streets and permitee-owned parking lots in accordance with permit conditions	DPW Operations	Sweep all streets and permitee-owned parking lots once per year in the spring	2019
Salt Application program	Track type and amount of salt applied to municipal roads and maintained surfaces.	DPW Operations	Implement salt use optimization during deicing season	2020

Inspections and maintenance of stormwater treatment structures	Establish and implement inspection and maintenance procedures and frequencies	DPW Operations	Inspect and maintain treatment structures at least annually	2019
Recycling Program	Promote importance of Household Hazardous Waste Collections	DPW Operations	Increased amounts collected on annual basis.	2019

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)
New Hampshire Statewide (Bacteria)	Adhere to requirements in Part III.1 of Appendix F	Town Administrator
	Adhere to requirements in Part I.2 of Appendix F	

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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. In addition, if you are subject to additional requirements due to a downstream nutrient impairment (see Part 2.2.2 of the permit) select the pollutant of concern and indicate applicable waterbody IDs or write "all waterbodies" if applicable. 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)
Nitrogen	All Waterbodies	Adhere to requirements in part I of Appendix H	Town Administrator
Chloride	NHRIV60030904-06	Adhere to requirements in part IV of Appendix H	DPW Operations

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.

Click to add text

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

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. (40 CFR 122.22)

Name:	Karen Anderson	Title:	Town Administrator
Signature:	Karen Anderson	Date:	09/17/18

[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