Stormwater Management Program (SWMP)

PEMBROKE

311 Pembroke Street, Pembroke

NH

03275

EPA NPDES Permit Number NHR041000

Certification

Authorized Representative (Optional): All reports, including SWPPPs, inspection reports, annual reports, monitoring reports, reports on training and other information required by this permit must be signed by a person described in Appendix B, Subsection 11.A or by a duly authorized representative of that person in accordance with Appendix B, Subsection 11.B. If there is an authorized representative to sign MS4 reports, there must be a signed and dated written authorization.

The authorization letter is:

☐ Publicly available at the website below	
http://thinkbluesuncook.org/	
"I certify under penalty of law that this document and all attachments wer supervision in accordance with a system designed to assure that qualified evaluated the information submitted. Based on my inquiry of the person of those persons directly responsible for gathering the information, the infor- knowledge and belief, true, accurate, and complete. I am aware that there submitting false information, including the possibility of fine and impriso	personnel properly gathered and or persons who manage the system, or mation submitted is, to the best of my are significant penalties for
Printed Name David Jodoin, Town Administrator	
Signature	Date (0/30/08

Click Here for Revisions

Background

Stormwater Regulation

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 Area are required to seek NPDES permit coverage for those stormwater discharges.

Permit Program Background

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 permit) consistent with the Phase II rule. The 2003 small MS4 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 2016 MS4 general permit, which became effective on July 1, 2018.

Stormwater Management Program (SWMP)

The SWMP describes and details the activities and measures that will be implemented to meet the terms and conditions of the permit. The SWMP accurately describes the permittees plans and activities. The document should be updated and/or modified during the permit term as the permittee's activities are modified, changed or updated to meet permit conditions during the permit term. The main elements of the stormwater management program 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.

Town Specific	MS4 Backgrou	and (optional)		

Small MS4 Authorization

The NOI was submitted on Oct 1, 2018	
The NOI can be found at the following (document name of	or web address):
http://thinkbluesuncook.org/	
Authorization to Discharge was granted on	
	1 11 000 40
The Authorization Letter can be found (document name of	or web address):
N/A	

Stormwater Management Program Team

SWMP Team Coordinator

Name	Carolyn Cronin	Title Town Planner
Department		
Phone Number	603-485-4747	Email ccronin@pembroke-nh.com
Responsibilities	General administration of the P	lanning Department; development reviews.
SWMP Team		
Name	James VJ Ranfos	Title Road Agent
Department	Highway Department	
Phone Number	603-485-4747	Email vranfos@pembroke-nh.com
Responsibilities	General administration of the H	lighway Department
Name	David Jodoin	Title Town Administrator
Department	Town Administration	
Phone Number	603-485-4747	Email djodoin@pembroke-nh.com
Responsibilities	General Administration of the	Γown on behalf of the Board of Selectmen

Add SWMP Member

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Receiving Waters

The following table lists all receiving waters, impairments and number of outfalls discharging to each waterbody segment.

OR

The information can be found in the following document or at the following web address:

http://thinkbluesuncook.org/

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	Other pollutant(s) causing impairments
Suncook River	7									
Merrimack River	1				П					
Meeting House Brook	7									
Hartford Brook	2				П					
					П					
					П					
					П					
					П					
				_	\Box					
					П					
					П					
					П					
					П					

Click here to lengthen table

Eligibility: Endangered Species and Historic Properties

*Reminder: The proper consultations and updates to the SWMP must be conducted for construction projects related to your permit compliance where Construction General Permit (CGP) coverage, which requires its own endangered species and history preservation determination, is NOT being obtained.

Attach	ments:
	The results of Appendix C U.S. Fish and Wildlife Service endangered species screening determination
	The results of the Appendix D historic property screening investigations
\boxtimes	If applicable, any documents from the State Historic Preservation Officer (SHPO), Tribal Historic Preservation Officer (THPO), or other Tribal representative to mitigate effects
These a	attachments are required within one year of the permit effective date and are:
\boxtimes	Attached to this document (document names listed below)
\bowtie	Publicly available at the website listed below
	http://thinkbluesuncook.org/
Under	what criterion did permittee determine eligibility for ESA?
☐ Crit	terion A 🔲 Criterion B 🖂 Criterion C
Under	what criterion did permittee determine eligibility for Historic Properties?
⊠ Crit	terion A
	add any additional measures for structural controls that you're required to do through consultation with
U.S. F	ish and Wildlife Service (if applicable):
	add any additional measures taken to avoid or minimize adverse impacts on places listed, or eligible for , on the NRHP, including any conditions imposed by the SHPO or THPO (if applicable):

MCM 1

Public Education and Outreach

Permit Part 2.3.2

Objective: The permittee shall implement an education program that includes educational goals based on stormwater issues of significance within the MS4 area. The ultimate objective of a public education program is to increase knowledge and change behavior of the public so that the pollutants in stormwater are reduced.

Examples and Templates:

EPA's Stormwater Education Toolbox

MassDEP's Stormwater Outreach Materials

Other templates relevant to MCM 1 can be found here: https://www.epa.gov/npdes-permits/stormwater-tools-new-england#peo

BMP:Brochures/Pamphlets	
BMP Number (Optional) 1	
Document Name and/or Web Address: http://thinkbluesuncook.org/	
Description:	
Information provided relative to pet waste. Information part of digital newsletter and online.	
Targeted Audience: Businesses, institutions and commercial facilities	
Responsible Department/Parties: Town Administrator	
Measurable Goal(s):	
Increased awareness of pet waste impacts to water quality.	
Message Date(s): Early 2020	
BMP:Brochures/Pamphlets BMP Number (Optional) 1.2	
Document Name and/or Web Address: http://thinkbluesuncook.org/	
Description:	
Information on storage/use of salt or deicing materials provided. Information part of digital newsletter and online.	
Targeted Audience: Businesses, institutions and commercial facilities	
Responsible Department/Parties: Tax collector	
Measurable Goal(s):	
1) Increased awareness of effects salt/de-icing materials have on surrounding environment and water quality 2)Increase awareness to minimize use of harmful de-icing materials 3)Increased education of proper salt/de-icing material storage to prevent runoff or contamination of ground water	/

BMP:Brochures/Pamphlets

Message Date(s): Early 2020

BMP Number (Optional) 1.3

Document Name and/or Web Address: http://thinkbluesuncook.org/
Description:
Promote Low Impact Development (LID) by ensuring that information related to LID is available. Information part of digital newsletter and online.
Targeted Audience: Developers (construction)
Responsible Department/Parties: Tax collector
Measurable Goal(s):
Increased awareness of Low Impact Development (LID) principles and technologies.
Message Date(s): Early 2021
BMP:Brochures/Pamphlets
BMP Number (Optional) 1.4
Document Name and/or Web Address: http://thinkbluesuncook.org/
Description:
Information on storage/use of salt or deicing materials included in tax bill; information available in site plan review application. Information available at Town Hall and online.
Targeted Audience: Industrial facilities
Responsible Department/Parties: Tax collector
Measurable Goal(s):
1) Increased awareness of effects salt/de-icing materials have on surrounding environment and water quality 2)Increase awareness to minimize use of harmful de-icing materials 3)Increased education of proper salt/de-icing material storage to prevent runoff or contamination of ground water
Message Date(s):
BMP:Newspaper Articles/Press Releases BMP Number (Optional) 1.5
Document Name and/or Web Address: http://thinkbluesuncook.org/

Promoting landscaping techniques to protect water quality via Fall/Spring digital newsletter with techniques,

Description:

notification of upcoming trainings (UNH CE/Soak Up the Rain/etc.); information available in site plan review application, information available at the Town Hall and online.
Targeted Audience: Businesses, institutions and commercial facilities
Responsible Department/Parties: Road agent
Measurable Goal(s):
Increased awareness of landscaping techniques among landscapers and promoting more water quality friendly landscaping practices.
Message Date(s): Early 2022
BMP:Brochures/Pamphlets
BMP Number (Optional) 1.6
Document Name and/or Web Address: http://thinkbluesuncook.org/
Description:
Promote proper sediment and erosion control management practices by including information in site plan review application. Also make available at the Town Hall and online.
Targeted Audience: Developers (construction)
Responsible Department/Parties: Town Planner
Measurable Goal(s):
Increased awareness of proper sediment and erosion control management practices.
Message Date(s): Early 2023
BMP:Brochures/Pamphlets
BMP Number (Optional) 1.7
Document Name and/or Web Address: http://thinkbluesuncook.org/
Description:
Promote proper management of dumpsters by including flyer in tax bill containing information on proper management of dumpsters. Make information available at the Town Hall and online.
Targeted Audience: Industrial facilities

Responsible Department/Parties: Road Agent

Measurable (Foal(s)) :
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Increased awareness of proper management of waste materials and dumpsters, including proper covering and pollution prevention. Information part of digital newsletter and online.

Message Date(s): Early 2023

BMP:Training

BMP Number (Optional) 1.8

Document Name and/or Web Address: N/A

Description:

Participate in trainings, as provided by NH DES, Stormwater Coalition, or other agency/group.

Targeted Audience: Town employees and departments

Responsible Department/Parties: Town Administrator and Department Heads

Measurable Goal(s):

Increased awareness and education on permit amongst town staff.

Message Date(s): Annually, beginning fall 2019

BMP:Web Page

BMP Number (Optional) 1.9

Document Name and/or Web Address: http://thinkbluesuncook.org/

Description:

Web Page to be maintained by Town. Will include electronic copies of promotional materials. Will also include outreach materials from the NH Stormwater Coalition and a list of resources.

Targeted Audience: All target audiences

Responsible Department/Parties: Town Administrator or Designee

Measurable Goal(s):

Website (or link to an MS4 site) established and maintained

Message Date(s): Annually, beginning 201	Message	Date(s)): Annually.	beginning	2019
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BMP: Septic System Brochures/Pamphlets

BMP Number (Optional) 1.10

Document Name and/or Web Address: http://thinkbluesuncook.org/

Description:

Septic System awareness by ensuring that each tax bill contains information on septic systems including maintenance, cost savings, and water quality issues; information available at Town Office and online. Utilize materials from EPA "Septic Smart" program.

Targeted Audience: Residents

Responsible Department/Parties: Town Administrator or designee

Measurable Goal(s):

Increase residents' knowledge of septic system maintenance and water quality impacts.

Message Date(s): Early 2024

Add BMP

MCM 2

Public Involvement and Participation

Permit Part 2.3.3

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

BMP Number (Optional) 2.1 Location of Plan and/or Web Address: http://thinkbluesuncook.org/ Responsible Department/Parties: Town Administrator or Designee Measurable Goal(s): Stormwater Management Plan is publicly available. BMP: Public Participation in Stormwater Management Program Development BMP Number (Optional) 2.2 **Description:** The SWMP will be presented or communicated by a "memo" annually to the public with opportunity for comment. Meeting minutes will record public comments. Responsible Department/Parties: Town Administrator or Designee Measurable Goal(s): Annual public input provided. BMP: Catch Basin Stenciling/Marking BMP Number (Optional) 2.3 **Document Name and/or Web Address:** http://thinkbluesuncook.org/ Description: Catch basins to be stenciled and marked by volunteers and/or DPW staff overseen by Road Agent. Responsible Department/Parties: Road Agent or Designee Measurable Goal(s): Public volunteers to stencil catch basins

BMP: Public Review of Stormwater Management Program

MCM₃

Illicit Discharge Detection and Elimination (IDDE) Program

Permit Part 2.3.4

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

Examples and Templates:

IDDE Program Template and SOPs

Other templates relevant to IDDE can be found here: https://www.epa.gov/npdes-permits/stormwater-tools-new-england#idde

BMP: IDDE Legal Authority

Completed (by year 4) ⊠ ock.org/ ocation; a clear statement of whether the date(s) and time(s) of each known SSO of the occurrence indicating known or
Completed (by year 4) ⊠ ook.org/ ocation; a clear statement of whether the date(s) and time(s) of each known SSO
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ted with dates implemented; and mitigation and pdate inventory as needed. ported within 24 hours by phone to EPA. Follow
Nhdes within five days of becoming aware of
PA contacts are: EPA New England (617) 918-1510 5 Post Office Square Boston, MA 02109
- -

Description:	
Map storm sewer system.	
Responsible Department/Parties: Town's Enginee	er
Measurable Goal(s):	
other storm sewer systems, municipally-owned storname and indication of all use impairments, and initial effective date. Map 100% of outfall spatial location	vailable), and municipal combined sewer system (if
BMP: IDDE Program	
BMP Number (Optional) 3.4	Written Document Completed (by year 4)
Document Name and/or Web Address: http://thin	nkbluesuncook.org/
Description:	
Develop and implement IDDE program for catchm	ent investigation, including dry and wet weather screening
Responsible Department/Parties: Road Agent	
Measurable Goal(s):	
date. Complete catchment investigations for 100%	ow Priority Outfalls within 3 years of the permit's effective of the Problem Outfalls within 7 years of the permit's vestigations within 10 years of the permit's effective date.
The outfall/interconnection inventory and initial interconnection screening and sampling results of	· ·
http://thinkbluesuncook.org/	
BMP: Employee Training	
BMP Number (Optional) 3.5	
Description:	
Train employees on IDDE implementation & MS4.	

Responsible Department/Parties: Town Administrator & Department Heads

Document Name and/or Web Address: http://thinkbluesuncook.org/	Completed
BMP Number (Optional) 3.6 Document Name and/or Web Address: http://thinkbluesuncook.org/	Completed
BMP Number (Optional) 3.6 Document Name and/or Web Address: http://thinkbluesuncook.org/ Description:	Completed
Description:	
Components will include provisions dealing with: illegal dumping and septic system failed septic systems. Done as needed (no instances occurred as of the end of year 4).	
Responsible Department/Parties: Road Agent	
Measurable Goal(s):	
Limit illegal stream dumping and provide provisions for inspections of failed septic	gratoma

Add BMP

MCM 4

Construction Site Stormwater Runoff Control

Permit Part 2.3.5

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

Examples and Templates:

Examples and templates relevant to MCM 4, including model ordinances and site inspection templates, can be found here: https://www.epa.gov/npdes-permits/stormwater-tools-new-england#csrc

BMP: Sediment and Erosion Control Ordinance BMP Number (Optional) 4.1 Completed (by year 3) \boxtimes Ordinances Link or Reference: http://thinkbluesuncook.org/ **Department Responsible for Enforcement:** Planning **BMP: Site Plan Review Procedures** BMP Number (Optional) 4.2 Written procedures completed (by year 3) \boxtimes Document Name and/or Web Address: https://www.pembroke-nh.com/planning-and-building-department/ pages/planning-forms-and-applications Description: Written procedures for site plan review. Procedure in place prior to issuance of the MS4 permit. Pembroke already utilizes site plan review process as outlined by NH State law. Responsible Department/Parties: Planning Measurable Goal(s): Establish site plan review procedures in accordance with the permit requirements.

BMP: Site Inspections and Enforcement of Sediment and Erosion Control Measures Procedures

BMP Number (Optional) 4.3

Completed (by year 3) \boxtimes

Document Name and/or Web Address: http://thinkbluesuncook.org/

Description:

Establish written procedures of site inspections and enforcement procedures. This will be added to the regulatory framework (site plan & subdivision regulations).

Responsible Department/Parties: Road Agent

Measurable Goal(s):

Inspect construction sites and take enforcement actions as needed, per the permit.

BMP:[BMP name here]

BMP Number (Optional) 4.4	Completed 🖂
Document Name and/or Web Address: http://thinkbluesuncook	c.org/
Description:	
Incorporate erosion and sediment control provisions in regulatory framework (site plan & subdivision regulations).	
Responsible Department/Parties: Planning Board	
Measurable Goal(s):	
Complete in year 2 of permit.	
BMP:Waste Control	
BMP Number (Optional) 4.5	Completed 🖂
Document Name and/or Web Address: http://thinkbluesuncook	c.org/
Description:	
Adoption of requirements to control wastes, including but not lim concrete truck wash out, chemicals, litter, and sanitary wastes in subdivision regulations).	
Responsible Department/Parties: Planning Board	
Measurable Goal(s):	
Complete in year 2 of permit.	
BMP:Construction Regulations	
BMP Number (Optional) 4.6	Completed 🗵
Document Name and/or Web Address: http://thinkbluesuncool	c.org/
Description:	
Add provisions to regulatory framework (site plan & subdivision operators to develop and implement a sediment and erosion contracts.)	
Responsible Department/Parties: Planning Board	
Measurable Goal(s):	
Complete in year 2 of permit.	

BMP:Pre-Construction Coordination Meetings	
BMP Number (Optional) 4.7	Completed 🖂
Document Name and/or Web Address: http://thinkbluesu	ncook.org/
Description:	
Establish pre-construction meeting provisions in regulatory	framework (site plan & subdivision regulations).
Responsible Department/Parties: Planning Board	
Measurable Goal(s):	

Add BMP

MCM 5

Post Construction Stormwater Management in New Development and Redevelopment

Permit Part 2.3.6

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.

Examples and Templates:

Examples and templates relevant to MCM 5, including model ordinances and bylaw review templates and guidance can be found here: https://www.epa.gov/npdes-permits/stormwater-tools-new-england#pcsm

BMP: Post-Construction Ordinance

BMP Number (Optional) 5.1	Completed (by year 3) ⊠
Town Ordinances Link or Reference: http://thinkblues	suncook.org/
	enstownnh.gov/sites/g/files/vyhlif241/f/uploads/ce_as_approved_on_030822.pdf
Department Responsible for Enforcement: Planning H	Board
BMP: Street Design and Parking Lot Guidelines Rep	<u>ort</u>
BMP Number (Optional) 5.2	Completed (by year 6)
Document Name and/or Web Address: http://thinkblu	uesuncook.org/
Description:	
Develop a report assessing requirements that affect the determine if changes to design standards for streets and design options.	·
Responsible Department/Parties: Road Agent	
Measurable Goal(s):	
Recommendations are implemented by 2024 with progr	ess reported annually.
BMP: Green Infrastructure Report	
BMP Number (Optional) 5.3	Completed (by year 6)
Document Name and/or Web Address: http://thinkblu	uesuncook.org/
Description:	
Develop a report assessing existing local regulations to infrastructure practices allowable when appropriate site	
Responsible Department/Parties: Road Agent	
Measurable Goal(s):	
Recommendations are implemented by 2024 with progr	ess reported annually.

BMP: List of Municipal Retrofit Opportunities

BMP Number (Optional) 5.4	Completed (by year 6)
Document Name and/or Web Address: http://think	bluesuncook.org/
Description:	
Complete an inventory and priority ranking of permit be retrofitted with BMPs designed to reduce the frequency discharges to its MS4 through the mitigation of impe	•
Responsible Department/Parties: Road Agent	
Measurable Goal(s):	
The list is completed by 2024 and updated as needed	•
BMP: As-Built Plans for On-Site Stormwater Cont BMP Number (Optional) 5.5	trol Completed ⊠
BMP Number (Optional) 5.5	Completed ⊠
	Completed ⊠
BMP Number (Optional) 5.5 Document Name and/or Web Address: http://think Description: Add language to the regulatory framework (site plan	Completed ⊠
BMP Number (Optional) 5.5 Document Name and/or Web Address: http://think Description: Add language to the regulatory framework (site plan as-built drawings per the requirements of the permit.	Completed ⊠ kbluesuncook.org/ and subdivision regulations) requiring the submittal of
BMP Number (Optional) 5.5 Document Name and/or Web Address: http://think	Completed ⊠ schluesuncook.org/ and subdivision regulations) requiring the submittal of

Add BMP

MCM 6

Good Housekeeping and Pollution Prevention for Permittee Owned Operations

Permit Part 2.3.7

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

Examples and Templates:

Examples and templates relevant to MCM 6, including SOP templates for catch basin cleaning, street sweeping, vehicle maintenance, parks and open space management, winter deicing, and Stormwater Pollutoin Prevention Plans can be found here: https://www.epa.gov/npdes-permits/stormwater-tools-new-england#gh

PERMITTEE OWNED FACILITIES

BMP: Parks and Open Spaces Operations and Maintenance Procedures

BMP Number (Optional) 6.1	Written Document Completed (by year 4) ⊠
Document Name and/or Web Address: http:	://thinkbluesuncook.org/
Description:	
Identify and create written O&M procedures in open spaces.	ncluding all requirements contained in 2.3.7.1 for parks and
Responsible Department/Parties: Departmen	it heads
Measurable Goal(s):	
Implement the SOP listed above on 100% of the	ne parks and open spaces.
Properties List (Optional):	
BMP: Buildings and Facilities Operations and BMP Number (Optional) 6.2 Document Name and/or Web Address: http://pub.	Written Document Completed (by year 4) ⊠
Description:	.//timikoluesuncook.org/
for the second s	ncluding all requirements contained in 2.3.7.1 for buildings and
Responsible Department/Parties: Departmen	nt heads
Measurable Goal(s):	
Implement the SOP listed above on 100% of b	ouildings and facilities.
Properties List (Optional):	
BMP: Vehicles and Equipment Operations a BMP Number (Optional) 6.3	and Maintenance Procedures Written Document Completed (by year 4)

Document Name and/or Web Address:	http://thinkbluesuncook.org/
Description:	
	res including all requirements contained in 2.3.7.1 for vehicles and
Responsible Department/Parties: Depart	tment heads
Measurable Goal(s):	
Implement the SOP listed above for 100%	of vehicles and equipment according to the above document.
Properties List (Optional):	
INFRASTRUCTURE BMP: Infrastructure Operations and M	aintenance Procedures
BMP Number (Optional) 6.4	Written Procedure Completed (by year 4) ⊠
Document Name and/or Web Address:	http://thinkbluesuncook.org/
Description:	11
Establish and implement program for repa	ir and rehabilitation of MS4 infrastructure.
Responsible Department/Parties: Department/Parties:	tment heads
	sure proper function in accordance with the procedures above.
BMP: Catch Basin Cleaning Program	
BMP Number (Optional) 6.5	Written Procedure Completed (by year 4) ⊠
Document Name and/or Web Address:	http://thinkbluesuncook.org/
Description:	
Establish schedule for catch basin cleaning catch basins on that schedule.	g such that each catch basin is no more than 50% full and clean
Responsible Department/Parties: Road	Agent

	e to the document above such that no catch basin is more than 50%
full at any given time.	
BMP: Street Sweeping Program	
BMP Number (Optional) 6.6	Written Procedure Completed (by year 4) ⊠
Document Name and/or Web Address:	http://thinkbluesuncook.org/
Description:	
Sweep all streets and permitee-owned par explore potential for partnering with Aller	king lots in accordance with permit conditions. Identify contractor, instown for cost efficiencies.
Responsible Department/Parties: Road	Agent
Measurable Goal(s):	
Annually sweep 100% of all streets and 5 listed above.	0% of all municipal parking lots in accordance with the schedule
9 7 0	
	Written Procedure Completed (by year 4) ⊠
BMP Number (Optional) 6.7	Written Procedure Completed (by year 4) ⊠
BMP Number (Optional) 6.7 Document Name and/or Web Address:	Written Procedure Completed (by year 4) ⊠
BMP Number (Optional) 6.7	Written Procedure Completed (by year 4) ⊠ http://thinkbluesuncook.org/
BMP Number (Optional) 6.7 Document Name and/or Web Address: Description: Establish and implement a program to min	Written Procedure Completed (by year 4) ⊠ http://thinkbluesuncook.org/ nimize the use of road salt.
BMP Number (Optional) 6.7 Document Name and/or Web Address: Description: Establish and implement a program to minus Responsible Department/Parties: Road	Written Procedure Completed (by year 4) ⊠ http://thinkbluesuncook.org/ nimize the use of road salt.
BMP Number (Optional) 6.7 Document Name and/or Web Address: Description: Establish and implement a program to min Responsible Department/Parties: Road Measurable Goal(s):	Written Procedure Completed (by year 4) ⊠ http://thinkbluesuncook.org/ nimize the use of road salt. Agent
Establish and implement a program to mi	Written Procedure Completed (by year 4) ⊠ http://thinkbluesuncook.org/ nimize the use of road salt. Agent

BMP: Stormwater Treatment Structures Inspection and Maintenance Procedures

BMP Number (Optional) 6.8

Completed (by year 4) ⊠

Document Name and/or Web Address: http://thinkbluesuncook.org/

Description:		
Establish and implement inspection	and maintenance procedures and frequ	encies.
Responsible Department/Parties:	Road Agent	
Measurable Goal(s):		
Inspect and maintain 100% of treatr	nent structures to ensure proper function	on.
BMP: SWPPP		
BMP Number (Optional) 6.9	_	Completed (by year 4) ⊠
Document Name and/or Web Add	ress: http://thinkbluesuncook.org/	
Description:		
	rages, transfer stations, and other waste	e-handling facilities.
Responsible Department/Parties:	Road Agent	
Measurable Goal(s):		
Develop and implement SWPPPs for	or 100% of facilities.	
BMP:Evaluate the Use Schedule o	f the Zoning Bylaw	
BMP Number (Optional) 6.10		Completed ⊠
Document Name and/or Web Add	http://thinkbluesuncook.org/	
Description:	*	
	itial changes each year. Done on an ani	nual basis.
Responsible Department/Parties:	Planning Board	
Measurable Goal(s):		
Conduct review of ordinance annua	lly, making any changes as needed. Do	one every year.

BMP:

BMP Number (Optional) 6.11	Completed ⊠
Document Name and/or Web Address	: http://thinkbluesuncook.org/
Description:	
Annually train Town staff regarding stor	mwater topics.
Responsible Department/Parties: Department	artment heads
Measurable Goal(s):	
Conduct annual training.	
V	

Add BMP

Annual Evaluation

Year 1 Annual Report	
Document Name and/or Web Address:	
https://thinkbluesuncook.org/	
Year 2 Annual Report	
Document Name and/or Web Address:	
https://thinkbluesuncook.org/	
X7	
Year 3 Annual Report	
Document Name and/or Web Address:	
https://thinkbluesuncook.org/	
Year 4 Annual Report	
Document Name and/or Web Address:	
https://thinkbluesuncook.org/	3
in the second se	
Year 5 Annual Report	
Document Name and/or Web Address:	
TBD	
Year X Annual Report	
Document Name and/or Web Address:	
TBD	
	Add a Year

TMDLs and Water Quality Limited Waters

Select the applicable Impairment(s) and/or TMDL(s). Impairment(s) ⊠ Bacteria/Pathogens **⊠** Chloride ⊠ Solids/oil/grease (hydrocarbons)/metals TMDL(s) (Appendix F) ⊠ Bacteria/ Pathogens □ Chloride ∠ Lake and Pond Phosphorus Clear Impairments and TMDLs Alternative TMDL Plans (if applicable) ☐ Alternative Bacteria/Pathogens Reduction Plan can be found (document name or web address): N/A ☐ Alternative Chloride Reduction Plan can be found (document name or web address): N/A ☐ Alternative Lake and Pond Phosphorus Reduction Plan can be found (document name or web address): N/A

Bacteria/Pathogens

Combination of Impaired Waters Requirements and TMDL Requirements as Applicable

	Applicable Receiving Waterbody(ies)	TMDL Name (if applicable)	Add/Delete Row
			+ -
ınual R	equirements Beginning Year 3		
	Rank outfalls to these receiving waters as high prior ranking	rity for IDDE implementation in	the initial outfall
	The relevant BMP number(s) listed above in the Sto description of implementation actions and documen	_	OR the
	SEE ABOVE		
(Public	c Education and Outreach education messages can be combined with other public education requ Annual message encouraging the proper manageme ordinances where appropriate The relevant BMP number(s) listed above in the Sto	ent of pet waste, including noting	any existing
1	description of implementation actions and documents SEE ABOVE	nt location(s) are:	
	Permittee or its agents disseminate educational mater renewal of dog license, or other appropriate time		
	The relevant BMP number(s) listed above in the Sto description of implementation actions and documen SEE ABOVE		OK the

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

description of implementation actions and document location(s) are:							
SEE ABOVE							

The relevant BMP number(s) listed above in the Stormwater Management Program OR the

Phosphorus Impairment

Applicable Receiving Waterbody(ies)	TMDL Name (if applicable)	Add/Dele Row
		+ -
al Requirements Beginning Year 3		
ablic Education and Outreach		
blic education messages can be combined with other public education requi	rements as applicable (see Appendix H and	F for more information
Distribute an annual message in the spring(April/Magrass clippings and encourages the proper use of slo		-
The relevant BMP number(s) listed above in the Sto description of implementation actions and documen		OR the
SEE ABOVE		
Distribute an annual message in the summer (June/J	uly) encouraging the proper ma	nagement of ne
waste, including noting any existing ordinances whe	· ·	nagement of per
The relevant BMP number(s) listed above in the Sto description of implementation actions and documen		OR the
SEE ABOVE		
Distribute an annual message in the fall (August/Sepof leaf litter		
The relevant BMP number(s) listed above in the Sto description of implementation actions and documen		OR the
SEE ABOVE		

Good Housekeeping and Pollution Prevention for Permittee Owned Operations

	rease street sweeping frequency of all municipal owned streets and parking lots subject to Permit 2.3.7.a.iii.(c) to a minimum of two times per year (spring and fall)			
The relevant BMP number(s) listed above in the Stormwater Management Program OR the description of implementation actions and document location(s) are:				
SEI	E ABOVE			
	ablish procedures to properly manage grass cuttings and leaf litter on permittee property, including blowing organic waste materials onto adjacent impervious surfaces			
The relevant BMP number(s) listed above in the Stormwater Management Program OR the description of implementation actions and document location(s) are:				
SEI	E ABOVE			
ıwat	er Management in New Development and Redevelopment			
	rofit inventory and priority ranking under 2.3.6.1.b. shall include consideration of BMPs to redusphorus discharges			
	e relevant BMP number(s) listed above in the Stormwater Management Program OR the cription of implementation actions and document location(s) are:			
	E ABOVE			
itial	structural BMPs			
the pho	y structural BMPs listed in Table 3 of Attachment 1 to Appendix H already existing or installed regulated area by the permittee or its agents shall be tracked and the permittee shall estimate the sphorus removal by the BMP consistent with Attachment 1 to Appendix H. Document the BMF e, total area treated by the BMP, the design storage volume of the BMP and the estimated sphorus removed in pass per year by the BMP in each annual report			
	e relevant BMP number(s) listed above in the Stormwater Management Program OR the cription of implementation actions and document location(s) are:			
SEI	E ABOVE			

Requirements Due by Year 4

Storm	ormwater Management in New Development and Redevelopment				
	The requirement for adoption/amendment of the permittee's ordinance or other regulatory mechanism shall include a requirement that new development and redevelopment stormwater management BMPs be optimized for phosphorus removal				
	The relevant BMP number(s) listed above in the Stormwater Management Program OR the description of implementation actions and document location(s) are:				
	SEE ABOVE				
Requirem	nents Due by Year 6				
	Complete a Phosphorus Source Identification Report				
	The document name (if attached) and/or web address is/are:				
	SEE ABOVE				
Storm	water Management in New Development and Redevelopment				
	Retrofit inventory and priority ranking under 2.3.6.1.b. shall include consideration of BMPs that infiltrate stormwater where feasible				
	The relevant BMP number(s) listed above in the Stormwater Management Program OR the description of implementation actions and document location(s) are:				
	SEE ABOVE				
	nents Due by Year 7 stial Structural BMPs				
	Evaluate all permittee-owned properties identified as presenting retrofit opportunities or areas for structural BMP installation under Permit part 2.3.6.d.ii or identified in the Phosphorus Source Identification Report that are within the drainage area of the impaired water or its tributaries				
	The relevant BMP number(s) listed above in the Stormwater Management Program OR the description of implementation actions and document location(s) are:				
	SEE ABOVE				

description of implementation actions and document location(s) are:	Complete a listing of planned structural BMPs and a plan and schedule for implementation
SEE ABOVE	The relevant BMP number(s) listed above in the Stormwater Management Program OR the description of implementation actions and document location(s) are:
SEE ABOVE	SEE ABOVE

Nitrogen Impairment

Applicable Receiving Waterbody(ies)	TMDL Name (if applicable)	Add/Delete Row
		+ -
Annual Requirements Beginning Year 3		

Requ	irements Beginning Year 3	
	ucation and Outreach ution messages can be combined with other public education requirements as applicable (see Appendix H and F for more information	
	ribute an annual message in the spring (April/May) that encourages the proper use and disposal of sclippings and encourages the proper use of slow-release fertilizers	
	relevant BMP number(s) listed above in the Stormwater Management Program OR the cription of implementation actions and document location(s) are:	
SEI	EABOVE	
	ribute an annual message in the summer (June/July) encouraging the proper management of pet	
	te, including noting any existing ordinances where appropriate	
The relevant BMP number(s) listed above in the Stormwater Management Program O description of implementation actions and document location(s) are:		
SEI	EABOVE	
	ribute an annual message in the fall (August/September/October) encouraging the proper disposes	
	relevant BMP number(s) listed above in the Stormwater Management Program OR the cription of implementation actions and document location(s) are:	
-	E ABOVE	

Good Housekeeping and Pollution Prevention for Permittee Owned Operations

т	***************************************				
	Establish requirements for the use of slow release fertilizers on permittee owned property currently using fertilizer, in addition to reducing and managing fertilizer use as provided in part 2.3.7.1				
	The relevant BMP number(s) listed above in the Stormwater Management Program OR the description of implementation actions and document location(s) are:				
	SEE ABOVE				
	Establish procedures to properly manage grass cuttings and leaf litter on permittee property, including prohibiting blowing organic waste materials onto adjacent impervious surfaces				
	The relevant BMP number(s) listed above in the Stormwater Management Program OR the description of implementation actions and document location(s) are:				
4	SEE ABOVE				
	Increase street sweeping frequency of all municipal owned streets and parking lots subject to Permit part 2.3.7.a.iii.(c) to a minimum of two times per year (spring and fall)				
	The relevant BMP number(s) listed above in the Stormwater Management Program OR the description of implementation actions and document location(s) are:				
4.	SEE ABOVE				
g	en Reduction Tracking BMP				
-	***************************************				
t	Any structural BMPs listed in Table 3 of Attachment 1 to Appendix H already existing or installed in the regulated area by the permittee or its agents shall be tracked and the permittee shall estimate the mitrogen removal by the BMP consistent with Attachment 1 to Appendix H				

Requirements Due by Year 4

Stormwater Management in New Development and Redevelopment

	The requirement for adoption/amendment of the permittee's ordinance or other regulatory mechanism shall include a requirement that new development and redevelopment stormwater management BMPs be optimized for nitrogen removal				
	The relevant BMP number(s) listed above in the Stormwater Management Program OR the description of implementation actions and document location(s) are:				
	SEE ABOVE				
Requirer	nents Due by Year 6				
	Complete a Nitrogen Source Identification Report				
	The document name (if attached) and/or web address is/are:				
	SEE ABOVE				
Storn	nwater Management in New Development and Redevelopment				
	Retrofit inventory and priority ranking under 2.3.6.1.b. shall include consideration of BMPs to reduce nitrogen discharges				
	The relevant BMP number(s) listed above in the Stormwater Management Program OR the description of implementation actions and document location(s) are:				
	SEE ABOVE				
90	nents Due by Year 7 ntial Structural BMPs				
	Evaluate all permittee-owned properties identified as presenting retrofit opportunities or areas for structural BMP installation under Permit part 2.3.6.d.ii or identified in the Nitrogen Source Identification Report that are within the drainage area of the impaired water or its tributaries				
	The relevant BMP number(s) listed above in the Stormwater Management Program OR the description of implementation actions and document location(s) are: SEE ABOVE				

Complete a listing of planned structural BMPs and a plan and schedule for implementation	
The relevant BMP number(s) listed above in the Stormwater Management Program OR the description of implementation actions and document location(s) are:	41
SEE ABOVE	

Solids, Oil and Grease (Hydrocarbons), or Metals Impairments

Applicable Receiving Water	erbody(ies)	TMDL Name (if applicable)	Add/Delete Row
			+ -
Annual Requirements Beginning Year	3		
Good Housekeeping and Pollution	Prevention for Permit	tee Owned Operations	
Increase street sweeping freq target areas with potential for	-	owned streets and parking lots to	a schedule to
The relevant BMP number(s) description of implementation		ormwater Management Program nt location(s) are:	OR the
SEE ABOVE	24		
	ns more frequently if i	ins to ensure that no sump shall binspection and maintenance activ	
The relevant BMP number(s) description of implementatio		ormwater Management Program	OR the
SEE ABOVE			
Requirements Due by Year 4			
Stormwater Management in New D	•	velopment 	
Stormwater management syswater quality limited water be	tems designed on com ody shall incorporate o	mercial and industrial land use and designs that allow for shutdown a cof an emergency spill or other u	rea draining to the and containment
The relevant BMP number(s) description of implementatio		ormwater Management Program	OR the

SEE ABOVE

Lake and Pond Phosphorus TMDL

Applicable Receiving Waterbody(ies)	PCP Complete	Document Location	Add/Delete Row
			+ -

Chloride Impairment

	Applicable Receiving Waterbody(ies)	TMDL Name (if applicable)	Add/Delete Row
			+ -
nnual)	Requirements Beginning Year 1		
	Rank outfalls to these receiving waters as high priori		
	The relevant BMP number(s) listed above in the Sto description of implementation actions and document	× 5 5	OR the
	SEE ABOVE		
	ic Education and Outreach : education messages can be combined with other public education requin	rements as applicable (see Appendix H and .	F for more information
	Include an annual message in November/December industrial site owners on the proper storage and appl with the steps that can be taken to minimize salt use	to private road salt applicators a ication rates of winter deicing m	nd commercial
	The relevant BMP number(s) listed above in the Sto description of implementation actions and document SEE ABOVE		OR the
	SEE ABOVE	á	
equire	ments Due by Year 3		
	Develop a Salt Reduction Plan		
	The document name (if attached) and/or web addres	s is/are:	
	SEE ABOVE		
Require	ments Due by Year 4		

Continue implementation of the Salt Reduction Plan

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				-
Requirements	Due	by	Year	5

Fully implement the Salt Reduction Plan

Chloride TMDL

Applicable Receiving Waterbody(ies)	TMDL Name (if applicable)	Add/Delete Row
		+ -

Applicable Receiving waterbody(les)	(if applicable)	Row
		14
Annual Requirements Beginning Year 1	œ	
Develop and implement a Chloride Reduction Plan		
The document name (if attached) and/or web address	s is/are:	
SEE ABOVE		
The state of the s		