P 05/01/08

Municipality/Organization: **Town of Seabrook**

EPA NPDES Permit Number: **NHR041033**

Annual Report Number & Reporting Period: **April 1, 2007 – March 31, 2008**

NPDES PII Small MS4 General Permit Annual Report
(Due: May 1, 2008)

Part I. General Information

Contact Person: Scott Dunn Title: Town Manager

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Certification:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, 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.

Signature: Scott J. Dunn

Printed Name: SCOTT J. DUNN

Title: TOWN MANAGER

Date: 4/22/08

Part II. Self-Assessment

The Town of Seabrook filed a NPDES Phase II Stormwater Management Plan in March 2003. On August 13, 2003, the EPA sent a letter to the town stating that the stormwater program was currently in compliance with the conditions of the General Permit. On May 1, 2004, May 1, 2005, May 1, 2006, and May 1, 2007, the Town submitted the Annual Reports for Year 1, Year 2, Year 3, and Year 4 respectively, to the EPA and the NH DES.

The Town of Seabrook has completed the required self-assessment for the Year 5 Annual Report and has determined that the municipality is in compliance with all the permit conditions. The Town of Seabrook worked on several stormwater issues over the past year and achieved many of the goals set for the 2007-2008 Stormwater Year (Year 5), including: improving the detection and elimination of illicit discharges; locating and mapping detention and retention basins; designing a leachate storage tank at the solid waste transfer station; improving Best Management Practices (BMPs) at Town facilities; and expanding the focus on stormwater pollution prevention at the Department of Public Works Highway Facility. Increased use of pollution prevention BMPs and good housekeeping measures was also a major priority. The Department continued its catch basin cleaning program by cleaning approximately 400 basins, educating residents nearby those basins of the activity by the use of doorknob hangtags. The Department also continued activities that were initiated in previous years, such as beach cleanup, subdivision inspection, outfall inspection, storm drain stenciling and marking, activity in the Seacoast Coalition, and distribution of stormwater educational brochures and materials.

In December 2006, the Seabrook Conservation Commission (SCC) completed a Watershed Management Plan for the Cains Brook and Cains Pond surface water bodies using grant funds provided by the New Hampshire Estuaries Project. Residential growth in the Cains Brook Watershed- and the subsequent loss of wetlands- has led to the degradation of the water quality in this watershed. In Year 5, many recommendations included in the Watershed Management Plan were implemented, including the design of a flotables control device that will prevent solids

from the Route 1 stormwater system from entering Cains Brook. The Department of Public Works will assist the SCC in making these improvements and will maintain the flotables control device.

In addition to remediation of the Cains Brook watershed, the Town added many new components of pollution prevention to its stormwater management program in Year 5. The form developed for Monthly Inspections at the Transfer Station was updated to a) better reflect current site conditions and activities and b) document when corrective actions have been taken (such as to clean up spills, request a vendor to pick up accumulated material, and/or remove trash and debris from parts of the site). Additional staff at the Transfer Station received training in how to complete a Monthly Inspection as well as how to identify issues and actions on a ***daily*** basis that have the potential to impact stormwater. The Department of Public Works purchased additional spill cleanup materials for both the Transfer Station property and the Highway Facility, and invested in spill prevention, notification, and cleanup training for employees at both facilities. The Department successfully opened dialogue with security personnel at the Seabrook Station nuclear power facility (adjacent to the Transfer Station) in order to gain access to the Transfer Station's stormwater outfall pipe. The outfall pipe is physically located on Seabrook Station's property and access is therefore limited to authorized persons. The Department and Seabrook Station are working on an agreement that will allow Transfer Station personnel to complete visual inspections of stormwater discharged during storm events. Also at the Transfer Station, a contract was awarded for the installation of a subsurface tank that will intercept and capture diluted leachate from the trash compactor and solid waste transfer trailer at that facility. This tank- double walled and outfitted with a high level alarm- will store diluted leachate that is able under some conditions to migrate offsite. The need for correction of this problem was identified by completing monthly inspections at the facility. The intent of the contract was installation in Fall 2007, but this was postponed to Spring 2008 due to lead time required for the tank. In Year 5, Transfer Station personnel will continue monthly inspections at this facility.

The Department expanded the Monthly Inspection activities from the Transfer Station to the Highway Facility with the development of a Stormwater Pollution Prevention Plan (SWPPP) specific to the activities at that facility. An inventory of materials stored at the site was developed, Best Management Practices and Good Housekeeping measures were identified to minimize the potential for stormwater pollution to occur, and a catch basin was identified as the best sampling point for visual stormwater inspections. In Year 5, Highway Facility personnel will continue monthly inspections at this facility.

Identification and mapping of stormwater outfalls, catch basins, pipes and other BMP structures was completed in Town in previous years of this Permit. However, the Town expanded mapping of stormwater features by completing the second phase of a detention and retention basin survey. A total of 98 detention and retention basins have now been located and surveyed on Town. Photographs, a survey form, and a location sketch for each basin were compiled into a three-ring binder that Department staff can use (in conjunction to a full-size index map) to perform regular inspections of these structural BMPs. A secondary goal of this survey was to enable the application of bacterial larval control in these natural larva production sites in the event that West Nile, Eastern equine encephalitis (EEE) or other mosquito-borne diseases occur in Seabrook or surrounding areas. This task will be ongoing in subsequent years, as continued residential and commercial development in Seabrook will result in the construction of additional detention and retention basins.

In Year 5, the Town initiated a program that will result in the inspection of commercial properties that maintain stormwater infrastructure with the goal of identifying (and eliminating) illicit connections to the stormwater system, such as by floor drains, as well as making recommendations at the inspected sites that will reduce the potential for contamination to enter the stormwater system. Approximately 300 commercial establishments were notified by mail of the inspection program, and in spring 2008 the Department began selecting the facilities that would receive the first round of the inspections. Inspection activities will proceed in 2008.

Finally, in Year 5, the Town of Seabrook completed an evaluation to determine if any stormwater discharges adversely affect eligible or currently listed endangered or threatened Species or have the potential to affect any listed (or proposed) National Historic Properties. This evaluation is required to demonstrate eligibility under (and compliance with) the MS4 General Permit, and the procedure is described in Addendum A of the MS4 General Permit. Responses received from the New Hampshire State Historic Preservation Office, United States Department of the Interior (US Fish & Wildlife Service), and United States Department of Commerce (National Marine Fisheries Service) all indicated that no properties or species were affected and that no additional consultation is required. Mr. John Kanter from the Nongame and Endangered Wildlife Department of the New Hampshire Fish and Game Department indicated that his office would not formally respond, as the response from the New Hampshire Natural Heritage Bureau (NH NHB) would include any issues associated with State-listed endangered or threatened animal species. The response received from the NH NHB showed that no endangered or threatened animal species were present near the Town outfalls, but did indicate that several exemplary natural communities and rare (State-listed) plant species are located nearby seven (7) outfalls. Subsequent reviews of the seven outfall locations show that they are substantially removed from the natural communities and do not meet the definition of "in proximity" as included in Appendix A of the MS4 General Permit. Furthermore, the species defined as rare within the NH NHB report are commonly found across Seabrook, and are not confined solely to the specific location of any of the seven outfalls. Additional documentation is being provided to NH NHB to document this and confirm that agency's concurrence. As such, Seabrook has demonstrated compliance with Criterion A in the ESA eligibility process.

Going forward beyond Year 5 of this Permit, the Town will continue to consider the effects of global climate change on surface waters and stormwater management (e.g., requirements for changes in normal water and flood elevations, culverts, and road grade) as well as innovative Best Management Practices. New Hampshire is a leader in the development of innovative stormwater BMPs, thanks to the presence of the University of New Hampshire Stormwater Center in Durham, NH. The Town reviewed the 2007 Annual Report produced by the

Stormwater Center and is considering the use of permeable pavement (also known as porous asphalt) in several 2008 construction projects to reduce the effective size of detention/retention ponds. The Stormwater Center also evaluated structural BMPs such as subsurface gravel wetlands that may have a place in site development projects in Seabrook in 2008. The Town continues to promote the concept of cluster zoning development to reduce areas of disturbance and extent of pavement. In 2008, the Town will begin updating to the infrastructure portion of the 2000 Master Plan, which includes stormwater facilities; money for these Master Plan Updates was approved by Town voters in March 2008. In March 2008, the Department identified the need to modify the current Household Hazardous Waste (HHW) collection program to integrate good planning activities into collection of these materials, including centralizing the collection of HHW materials at a fixed location.

The town will continue to file for grants from various sources, including the New Hampshire Department of Environmental Services (NHDES), the New Hampshire Estuary Project (NHEP), and the Seacoast Stormwater Coalition, subject to availability, to assist in achieving the town's goals for stormwater management.

Part III. Summary of Minimum Control Measures

1. Public Education and Outreach

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 5 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Continued Permit Compliance Activities
1.1 Revised	Distribute Information – Post Fact Sheets on Town website.	Department of Public Works (DPW)	Fact sheets available to the public via the Town's website.	The Stormwater poster, brochure, and fact sheets were maintained on the Department of Public Works' website, at http://www.seabrooknh.org/. These materials have also been distributed by members of the Seabrook Conservation Commission (SCC) at various public events.	Maintain the links on the website. In addition to these factsheets, the DPW and its consultant also helped the SCC update the Cains Brook Watershed Management Plan to reflect progress made in preventing stormwater pollution. This document is an educational tool for residents as well as local businesses.
1.1 Revised	Distribute Information – Distribute stormwater brochure to businesses with stormwater infrastructure on site.	DPW Consultant	Complete flyer and distribute to all businesses maintaining on-site stormwater infrastructure.	In Year 5, the DPW developed a mailing and sent it to 385 businesses that maintain on-site stormwater facilities, such as catch basins. This mailing informed these businesses that the DPW would perform inspections of selected facilities in 2008 with the goal of ensuring that inappropriate materials are not being discharged to the stormwater system and that stormwater infrastructure is being maintained properly.	Continue to educate and inspect local businesses that have stormwater infrastructure.

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 5 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Continued Permit Compliance Activities
1.1	Distribute Information – Information on the benefits of back-yard stream clean-up.	DPW	Send out stream clean-up information.	The benefits of backyard clean up are outlined in the Seabrook Stormwater Fact sheet, which was distributed in Years 3 and 4 and continues to be made available to residents.	Continue to expand the number of locations and events at which the Fact Sheet is available.
Revised					
1.1	Distribute Information – Develop pamphlets for distribution at Town Hall, DHS, schools, community events/fairs, as well as mailing lists.	DPW Consultant	Distribute to 75% of residents.	Brochures continue to be available at Town Hall, the Community Building, and the Library. This goal was met earlier in the SWMP than originally planned. These materials have also been distributed by members of the SCC at various public events.	Continue to expand the number of locations at which the brochures are available, including direct mailings to local businesses that have stormwater infrastructure.
Revised					
1.2	Public Service- Town Hall Public Access TV	DPW	Run video on Town Hall TV.	The Town completed this goal in Year 1.	Continue to use video as a training and education tool.
Revised					
1.3	Community Outreach- Develop Stormwater Informational Poster Board	DPW Consultant	Develop Poster Board	This goal was accomplished in Year 4, ahead of schedule.	Continue to display stormwater poster at as many locations and events as possible.
Revised					
1.3	Community Outreach - Display Poster Board at various local community events	DPW	Show Poster Board at Town Hall, DPW, and community events	The Stormwater poster, brochure, and fact sheets continue to be maintained at Town Hall, the Community Building, and the Library and continue to be posted on the Town's website. The Poster Board has also been displayed by members of the SCC at various public events.	Continue to display stormwater poster at as many locations and events as possible.
Revised					

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 5 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Continued Permit Compliance Activities
1.4	Classroom Participation - Volunteer Work: Catch Basin Stenciling and litter clean up	DPW	Conduct one session	The classroom participation BMP was changed to incorporate classroom participation in the catch basin stenciling and litter clean up. Litter cleanup was completed by Winnacunnet High School Marine Biology Class in Year 3. Additional litter cleanup is completed by members of the SCC on a regular basis. The DPW and SCC purchased 750 new permanent stainless steel catch basin markers (to replace previous paint-based identification) and installation equipment, and began installing these new markers in March 2008.	Continue to request volunteers at community meetings and local schools and provide training to volunteers. Consider expanding this program to the Department of Corrections facility located in Concord. Continue to work as a partner with members of the SCC in the identification of catch basins.
Revised					
1.5	Public Educational Courses - Provide Educational Materials to all stakeholders in Stormwater Management	DPW	Provide Materials	In Year 4, the Town educated businesses (stakeholders) by leaving educational materials during catch basin inspection and cleanout activities. Catch basin cleaning doorknob hanger distribution continued in Year 5, and reached 400 residents.	Continue to expand the methods by which educational materials are distributed to the community and businesses.
Revised					

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 5 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Continued Permit Compliance Activities
1.6	Other - Develop a program to promote, publicize and facilitate public reporting of illicit connections or discharges	DPW Consultant	Information materials distributed. Implementation of a public hotline.	In Year 4, the Town expanded its involvement with the Seacoast Stormwater Coalition (the Coalition) and began work to develop a public education plan to enable public reporting of illicit connections or discharges. Involvement with the Coalition continued in Year 5, with members of the DPW attending several training sessions and planning meetings.	Continue to utilize the resources of the Coalition to improve opportunities for the public to report discharges.
Revised					

1a. Additions

1.1	Distribute Information – Place poster in Town Hall, Community Building, and Library.	DPW	Show poster at Town Hall and other public places.	In addition to maintaining brochures at Town Hall, the DPW continues to maintain a stormwater education poster at that location.	Continue to monitor the stormwater education materials posted and available at locations around the Town.
1.1	Distribute Information – Place door hangers at residential locations during catch basin cleaning.	DPW	Distribute to each residence when catch basins near that location are cleaned.	In Year 5, the DPW continued this method for educating residents about the importance of being diligent about materials entering the stormwater system.	Continue to leave door hangers during catch basin cleaning.
1.6	Community Outreach-Finalize Plan for public reporting of illicit connections.	DPW Consultant	Develop Plan and distribute to residents.	The Town has been developing a Plan to locate illicit discharges and remove them from the system. The next step will be developing a method by which the public can report illicit discharges.	Educate the public about the importance of removing illicit connections from the system, and the procedure to accomplish this.

2. Public Involvement and Participation

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 5 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Continued Permit Compliance Activities
2.1	Public Volunteers - Solicit Volunteers from Town Committees, Groups, and the High School	SCC	Secure volunteers for public participation events	A request for volunteers to help with stream and trash clean-up is posted on the Town's website and shown on the local cable access channel. The SCC also utilizes volunteers in its litter cleanup activities.	Continue to secure additional volunteer groups. Continue to solicit additional volunteers through the Town's website and the local cable access channel.
Revised					
2.2	Volunteer Monitoring - Involve schools and neighborhood associations in future monitoring projects by SCC	SCC	Acquire volunteers from schools / neighborhood associations for next SCC monitoring project	A request for volunteers to help with stream and trash clean-up is posted on the Town's website and shown on the local cable access channel. Currently, the Town website is posting an SCC request for volunteers for a habitat assessment program with the Cains Brook Watershed Management Plan.	Continue to solicit additional volunteers through the Town's website and the local cable access channel.
Revised					
2.2	Volunteer Monitoring - Show video on monitoring, produced by SCC during WS	SCC	Show video to volunteers	The SCC trains volunteers when necessary, including showing the stormwater video to volunteer groups.	Continue to show stormwater video to volunteer groups.
Revised					
2.2	Volunteer Monitoring - Promotional Items and educational materials	SCC	Distribute to volunteers on monitoring projects	The SCC provides materials to volunteer groups when necessary	Continue to distribute materials to volunteer groups.
Revised					

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 5 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Continued Permit Compliance Activities
2.3 Revised	Volunteer Clean-up - Adopt a Stream / Outfall	SCC	Secure funding and / or volunteers for maintaining a stream / outfall	Because of liability concerns, the Town has had little success in securing volunteers to "adopt" a particular stream or outfall, but some community groups continue to conduct cleanup activities.	Continue to solicit volunteers to adopt a stream or outfall. Consider expanding this program to the Department of Corrections facility located in Concord.
2.4 Revised	Community Events - Storm Drain Stenciling	SCC	Organize and conduct stenciling / Investigate funding	Approximately 25 catch basins were stenciled in Year 5, a group effort of the DPW and the SCC. The DPW and SCC purchased 750 new permanent stainless steel catch basin markers (to replace previous paint-based identification) and installation equipment, and began installing these new markers in March 2008.	Continue to request volunteers at community meetings and local schools and provide training to volunteers. Continue to work with the SCC and local neighborhood civic associations as a partner in catch basin identification.
2.4 Revised	Community Events - Wetland Plantings	SCC	Organize and conduct planting	No wetland planting events were conducted in Year 4, although SCC efforts associated with the Cain Brook Watershed Management Plan are focused on maintaining appropriate wetland species.	Continue to request volunteers at community meetings and local schools and provide training to volunteers.
2.5 Revised	Other – Post Outfalls	DPW	Mark outfall locations.	All known outfalls were posted prior to Year 5.	Continue to inspect for new outfalls and post these locations.

2a. Additions

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 5 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Continued Permit Compliance Activities
2.1	Public Volunteers - Solicit Volunteers	DPW	Secure volunteers for public participation efforts.	The Town has experienced some difficulty in attracting and retaining groups and persons interested in perform cleanup activities.	Continue to request volunteers at community meetings and local schools and provide training to volunteers. Continue to work with the SCC and local neighborhood civic associations as a partner in cleanup efforts
2.5	Other – Encourage public to participate in stormwater pollution prevention at the residential level.	DPW	Educate public about stormwater pollution prevention.	Maintaining brochures at Town Hall and other community locations is the first step in getting residents to participate in stormwater pollution prevention.	Continue to expand the number of locations at which the brochures are available, including direct mailings to local businesses, and continue the distribution of door hangers when catch basins are cleaned.
2.5	Other – Involve residents in maintaining quality of stormwater.	DPW	Inform residents when catch basins are cleaned.	Educating residents that storm drains are for rainwater only will increase a homeowner's involvement in maintaining catch basins. This continued in Year 5.	Continue to leave door hangers during catch basin cleaning.

3. Illicit Discharge Detection and Elimination

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 5 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Continued Permit Compliance Activities
3.1 Revised	Stormwater System Mapping – Map Outfalls	DPW Consultant	Percentage of all known outfalls.	All known outfalls were inspected and mapped in prior years. 27 of these known outfalls were re-inspected in Year 5, but these had already been mapped. Inspection for new outfalls will be an ongoing activity in the SWMP.	Continue to inspect all known outfalls, and map additional outfalls as they are located.
3.1 Revised	Stormwater System Mapping – Map pipes, manholes and catch basins	DPW Consultant	Percentage of total system	In Year 5, with the expansion of the detention/retention basin mapping program, it is estimated that 98% of the existing system has been mapped. New detention/retention basins continue to be added to the system with development, so this process needs to be ongoing.	Continue to update the existing maps with new detention/retention basins, pipes, and structures as they are added.
3.1 Revised	Stormwater System Mapping – Map structural BMPs	DPW Consultant	Percentage of total system	Phase II of the detention/retention basin survey was completed in Year 5. A total of 98 detention/retention basins have been located, mapped, and included in a hard copy survey that the DPW can use for inspections.	Continue to update the survey as more detention/retention basins are added to the system.
3.2 Revised	Rules and Regulations-Strengthen Ordinance	Planning Board	Development of Ordinance.	This was completed prior to Year 5.	Monitor and enforce implementation of the Rules and Regulations. Assess Ordinance goals and revise, if necessary.

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 5 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Continued Permit Compliance Activities
3.2 Revised	Rules and Regulations- Develop Enforcement Procedures	Planning Board	Development of Enforcement Procedures.	This was completed prior to Year 5.	Monitor implementation of the Rules and Regulations. Track enforcement and removal of illicit connections.
3.2 Revised	Rules and Regulations- Detection/ Elimination Inspection	DPW and DPW Consultant	Identify and train inspection agents. Begin Inspections.	In Year 5, the DPW determined that it will take the lead in these inspections and developed a mailing. This mailing was sent to 385 businesses that maintain on-site stormwater facilities, such as catch basins. This mailing informed these businesses that the DPW would perform inspections of selected facilities in 2008 with the goal of ensuring that inappropriate materials are not being discharged to the stormwater system and that stormwater infrastructure is being maintained properly. Also in Year 5, the DPW attended a workshop titled "Illicit Discharge Detection & Elimination" that was hosted by the Coalition and its consultant.	Continue to inspect commercial facilities for illicit discharges and improper management of stormwater infrastructure.
3.3 Revised	Illicit Discharge Detection/ Elimination - Identify priority areas	DPW Consultant	Number of outfalls per year. Number of samples per year.	Prior to Year 5, all known outfalls were inspected and no evidence of contamination was found. No new outfalls were discovered in Year 5, but 27 existing outfalls were inspected. Two known outfalls were sampled in Year 5. 25 outfalls will be cleaned in 2008.	Continue to inspect key outfalls as necessary and perform cleaning and maintenance of 25 outfalls in compliance with NH DES permit.

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 5 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Continued Permit Compliance Activities
3.3	Illicit Discharge Detection/ Elimination – Develop a plan to detect non-stormwater discharges	DPW Consultant	Plan Completion	As noted, in Year 5, the DPW informed local businesses that inspections to detect non-stormwater discharges would begin in 2008. Continued participation with the Coalition is also part of this goal.	Continue to inspect commercial facilities to find illicit discharges. The Coalition is taking a lead role in training New Hampshire municipalities and assisting in the implementation of these programs. The Town will therefore work closely with this organization, and apply for funding from it, when applicable.
Revised					
3.3	Illicit Discharge Detection/ Elimination Prioritization Plan – Implement a plan to detect non-stormwater discharges	DPW Consultant	Annual Inspection	As noted, in Year 5, the DPW informed local businesses that inspections to detect non-stormwater discharges would begin in 2008. Continued participation with the Coalition is also part of this goal.	Continue to inspect commercial facilities for illicit discharges and improper management of stormwater infrastructure.
Revised					
3.4	Post Removal Evaluation and Assessment - Program to inspect and report on conditions after illicit connections have been removed	DPW/ Code Enforcement Officer	Annual Inspection	Subsequent to all commercial facility inspection that find illicit discharges and improper management of stormwater infrastructure, corrective actions will define follow up inspection and documentation requirements.	Continue to inspect commercial facilities for illicit discharges and improper management of stormwater infrastructure.
Revised					

3a. Additions

4. Construction Site Stormwater Runoff Control

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 5 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Continued Permit Compliance Activities
4.1	Regulatory Mechanism – Develop and Implement ordinances regulating erosion and sediment control.	Planning Board	Finalize ordinance; quarterly/annual review of program.	Prior to Year 5, Stormwater Rules and Regulations were approved and implemented by the Town that included this mechanism.	Continue to review the effectiveness of existing Rules and Regulations and revise if needed.
Revised					
4.1	Regulatory Mechanism – Impose Sediment and Erosion Control BMP Requirements	Planning Board	Implement for each project	Prior to Year 5, Stormwater Rules and Regulations were approved and implemented by the Town that included this mechanism. In Year 5, based on results in the University of New Hampshire Stormwater Center Annual Report, the DPW began to seriously consider innovative BMPs such as porous pavement and subsurface gravel wetlands for projects that will be completed in 2008.	Continue to review the effectiveness of existing Rules and Regulations and revise if needed. Continue to evaluate innovative BMPs and consider these for Town projects and encourage them for use in private projects, as well.
Revised					
4.1	Regulatory Mechanism – Implement MP rules for vegetative buffers, drainage ways, site coverage, run-off control and erosion sedimentation.	Planning Board	Implement for each project	Prior to Year 5, Stormwater Rules and Regulations were approved and implemented by the Town that included this mechanism.	Continue to review the effectiveness of existing Rules and Regulations and revise if needed.
Revised					

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 5 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Continued Permit Compliance Activities
4.1	Regulatory Mechanism – Evaluate sanctions for enforcement of erosion and sediment controls	Planning Board	Implement for each project	Prior to Year 5, Stormwater Rules and Regulations were approved and implemented by the Town that included this mechanism.	Continue to review the effectiveness of existing Rules and Regulations and revise if needed.
Revised					
4.1	Regulatory Mechanism – Develop ordinance requiring a spill control plan	Planning Board	Implement for each project	Prior to Year 5, Stormwater Rules and Regulations were approved and implemented by the Town that included this mechanism.	Continue to review the effectiveness of existing Rules and Regulations and revise if needed.
Revised					
4.1	Regulatory Mechanism – Develop rules for disposal of waste, construction site debris, unwanted soil, fill, and water.	Planning Board	Implement for each project	Prior to Year 5, Stormwater Rules and Regulations were approved and implemented by the Town that included this mechanism.	Continue to review the effectiveness of existing Rules and Regulations and revise if needed.
Revised					
4.2	Site Plan Review Procedures – Stormwater Pollution Prevention Plans	DPW and Planning Board	Implement for each project.	Prior to Year 5, the DPW worked with Planning Board to develop mechanism for review of Stormwater Pollution Prevention Plans submitted by contractors. In Year 5, the DPW confirmed its commitment to assisting the Planning Board with review of SWPPPs verbally and in a letter.	Continue to take a larger role in review of Stormwater Pollution Prevention Plans.
Revised					

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 5 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Continued Permit Compliance Activities
4.3	Site Inspection/ Enforcement – Pre-Construction Meetings	DPW and Planning Board	Implement program.	Prior to Year 5, the DPW worked with Planning Board to share role with Planning Board. In Year 5, the Manager of the DPW attended 6 pre-construction meetings.	Continue to attend pre-construction meetings, with a goal of being involved in each development project active in the Town.
Revised					
4.3	Site Inspection/ Enforcement – Conduct construction site inspections	DPW and Planning Board	Train staff.	This goal was revised to share the role with Planning Board. In Year 5, the Manager of the DPW performed 15 inspections of BMPs during construction.	Continue to expand the number of inspections completed, and the number of projects inspected. Continue to petition for a new Town position to fill this role.
Revised					
4.3	Site Inspection/ Enforcement – Procedure for handling reports of non-compliance	DPW and Planning Board	Finalize procedure.	Prior to Year 5, Stormwater Rules and Regulations were approved and implemented by the Town that included enforcement mechanisms.	Continue to review the effectiveness of penalties in the existing Rules and Regulations and revise if needed.
Revised					

4a. Additions

5. Post-Construction Stormwater Management in New Development and Redevelopment

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 5 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Continued Permit Compliance Activities
5.1 Revised	Regulatory Mechanism – Develop and Implement Ordinance for controls	Planning Board	Implement Ordinance; quarterly/annual review of program.	Prior to Year 5, Stormwater Rules and Regulations were approved and implemented by the Town that included controls for protection of open spaces and natural vegetation.	Continue to implement the Rules and Regulations, track the effectiveness of the BMPs, and revise as needed. Update the Rules and Regulations in partnership with the Seacoast Stormwater Coalition.
5.1 Revised	Regulatory Mechanism – Open Spaces and Natural Vegetation	Planning Board	Implement Ordinance; quarterly/annual review of program.	Prior to Year 5, Stormwater Rules and Regulations were approved and implemented by the Town that included controls for protection of open spaces and natural vegetation, a mandatory greenbelt along Lafayette Road. The Rules and Regulations also included a zoning change to allow cluster housing.	Continue to implement the Rules and Regulations, track the effectiveness of the controls, and revise as needed. Update the Rules and Regulations in partnership with the Seacoast Stormwater Coalition.
5.1 Revised	Regulatory Mechanism – Mandatory Greenbelt along Lafayette Road	Planning Board	Implement Ordinance; quarterly/annual review of program.	Prior to Year 5, Stormwater Rules and Regulations were approved and implemented by the Town that included controls for protection of open spaces and natural vegetation, including a mandatory greenbelt along Lafayette Road.	Continue to implement the Rules and Regulations, track the effectiveness of the controls, and revise as needed. Update the Rules and Regulations in partnership with the Seacoast Stormwater Coalition.
5.1 Revised	Regulatory Mechanism – Shoreland Protection	Planning Board	Implement Ordinance; quarterly/annual review of program.	The Town decided not to include shoreland protection in the Stormwater Rules and Regulations; this is already covered in NHRSA 483-B.	This BMP is no longer considered appropriate for the Town of Seabrook.

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 5 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Continued Permit Compliance Activities
5.1	Regulatory Mechanism – Zoning Ordinance	Planning Board	Implement Ordinance; quarterly/annual review of program.	In Year 5, the Town reconsidered developing a Cluster Housing zoning ordinance change to allow cluster housing.	Continue the planning process, have planning workshops, and discuss/debate at Board meetings.
Revised					
5.2	Review BMP Designs - Pre-construction Review for conformance with standards/regulations	DPW/ Planning Board	Implement for each project.	Re-confirmed commitment to share this role with the Planning Board.	Continue to review and comment on contractor BMPs as necessary.
Revised					
5.3	Site Inspection / Enforcement Procedures - During construction, inspect for assurance that BMPs are compliant	Planning Board	Implement for each project.	The Manager of the DPW performed 15 inspections of BMPs during construction.	Continue to expand the number of inspections completed, and the number of projects inspected.
Revised					
5.4	O & M Procedures - Develop Procedure for Operation and Maintenance of Structural BMPs	Planning Board	Implement for each project.	Seabrook adopted Municipal Stormwater Drainage System Rules and Regulations in Year 3. The Rules and Regulations include O&M procedures.	Continue to implement the Rules and Regulations, track the effectiveness of the controls, and revise as needed. Continue to monitor and inspect existing BMPs.
Revised					

5a. Additions

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 5 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Continued Permit Compliance Activities
6.3	Municipal Industrial Operations – Maintenance and Repair for Municipal Vehicles	DPW Consultant	Implement Program	In Year 5, the DPW developed a SWPPP for the Highway Facility, which included an inventory of materials and defined good housekeeping and BMPs for that facility, including those related to vehicle maintenance. The SWPPP previously developed for the Transfer Station was updated and continues to be enforced.	Continue to refine and develop programs to minimize the risk of spills- and subsequent stormwater pollution- from the Highway Facility and Transfer Station. The DPW will also consider evaluating Town Hall operations with respect to the potential for stormwater pollution.
Revised					
6.3	Municipal Industrial Operations – Road Salt Storage	DPW Consultant	Implement Program	In Year 5, the DPW developed a SWPPP for the Highway Facility, which included an inventory of materials and defined good housekeeping and BMPs for that facility, including those related to salt storage.	Continue to implement the SWPPP developed for the Highway Facility.
Revised					
6.3	Municipal Industrial Operations – Vehicle washing controls	DPW	Implement Program	Prior to Year 5, the DPW completed an evaluation of vehicle washing operations and has already implemented a program to take Town vehicles to a local commercial establishment for washing.	DPW will continue to wash DPW vehicles at commercial car wash.
Revised					
6.3	Municipal Industrial Operations – Fueling Operations	DPW Consultant	Implement Program	Prior to Year 5, fueling facilities were assessed for stormwater pollution potential.	Continue to implement the SWPPP developed for the Highway Facility.
Revised					

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 5 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Continued Permit Compliance Activities
6.3 Revised	Municipal Industrial Operations – Wastewater Treatment Facility	Wastewater Treatment Facility Operator	Develop Plan.	In Year 4, the WWTF began developing an SPCC Plan.	Continue to assist the WWTF as they continue to develop and implement a SPCC Plan. Enforce the terms and conditions included in the SPCC Plan.
6.3 Revised	Municipal Industrial Operations – Transfer Station Permitting	DPW Consultant	Implement Program	In Year 5, the Transfer Station SWPPP was updated to reflect current site activities and add corrective action follow-up documentation notes to the Monthly Inspection Form. Regular revision of the SWPPP- including updating the Monthly Inspection form- is required to ensure that all activities are evaluated.	Continue to monitor Good Housekeeping and pollution prevention practices and BMPs at the Transfer Station and update them, as needed.
6.4 Revised	Municipal Roads – Street Sweeping	DPW	Implement Program	In Year 5, all curbed areas with sidewalks continued to be hand-swept.	Continue to evaluate the effectiveness of this activity and revise program as appropriate.
6.5 Revised	Parks and Open Space-Fertilizer and Pesticide	DPW	Implement Program	In Year 5, the DPW continued to evaluate the effectiveness of fertilizer and pesticide application and management goals in conjunction with the SCC.	Continue to evaluate the effectiveness of fertilizer and pesticide application and management goals.
6.5 Revised	Parks and Open Space-Pet Waste Management	DPW	Implement Program	The goal of this BMP was met in Year 2. Continued to evaluate the effectiveness of Pet Waste Management goals.	Continue to evaluate the effectiveness of Pet Waste Management goals.

	(Preferred Units)	Response
Average Ratio of Anti-/De-Icing products used ** (also identify chemicals and ratios used in specific areas, e.g., water supply protection areas)	% NaCl % $CaCl_2$ % $MgCl_2$ % CMA % Kac % KCl % Sand	100% NaCl
Pre-wetting techniques utilized **	(y/n or %)	No
Manual control spreaders used **	(y/n or %)	100 (%)
Zero-velocity spreaders used **	(y/n or %)	0
Estimated net reduction or increase in typical year salt/chemical application rate	(±lbs/ln mi. or %)	
Estimated net reduction or increase in typical year sand application rate **	(±lbs/ln mi. or %)	
% of salt/chemical pile(s) covered in storage shed(s)	(%)	100
Storage shed(s) in design or under construction	(y/n or #)	
100% of salt/chemical pile(s) covered in storage shed(s) by May 2008	(y/n)	Yes

Water Supply Protection

Storm water outfalls to public water supplies eliminated or relocated	# or y/n	
Installed or planned treatment BMPs for public drinking water supplies and their protection areas	# or y/n	
• Treatment units induce infiltration within 500-feet of a wellhead protection area	# or y/n	