

Municipality/Organization: Town of Seabrook

EPA NPDES Permit Number: NHR041033

Annual Report Number  
& Reporting Period: April 1, 2010 – March 31, 2011

**NPDES PII Small MS4 General Permit  
Annual Report  
(Due: May 1, 2011)**

**Part I. General Information**

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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: Barry Brenner

Printed Name: Barry M. Brenner

Title: Town Manager

Date: 4/26/2011

## **Part II. Self-Assessment**

The Town of Seabrook filed a NPDES Phase II Stormwater Management Plan in March 2003. On August 13, 2003, the USEPA 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, May 1, 2007, May 1, 2008, May 1, 2009 and May 1, 2010, the Town submitted the Annual Reports for Years 1, 2, 3, 4, 5, 6, and 7, respectively, to the USEPA and the NH DES. This Annual Report covers the third year beyond expiration of the 5-year MS4 Permit term, referred to hereafter as “Year 8”.

The Town of Seabrook has completed the required self-assessment for the Year 8 Annual Report and has determined that the municipality continues to be in compliance with all the permit conditions. The Town continued improvements focused on the goals established for its 5-year Permit term, including: inspection of high-priority outfalls; investigation for new outfalls; outfall identification, sampling, and monitoring at the solid waste transfer station; inspections at the solid waste transfer station; and expanding the focus on stormwater pollution prevention at the Department of Public Works (Department) Highway Facility. The Department continued its catch basin cleaning program, cleaning more than 1,000 catch basins, and 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 (15 high-priority outfalls plus 36 non-priority outfalls), illicit discharge detection and elimination, activity in the Seacoast Stormwater Coalition, and distribution of stormwater educational brochures and materials. As follow-up to illicit discharge inspections completed at two commercial buildings, WalMart and AllTech Resources/CR Electronics in Year 7, the Town of Seabrook sent a follow-up letter to Walmart addressing an illicit floor drain connection to the sewer. Mechanical street sweeping by F.W. Hale in Year 8 included Railroad Avenue, Centennial Street, Washington Street, portions of Walton Road, Collins Street, and South Main Street and was complemented by hand-sweeping of other curbed roadways by Department of Public Works staff.

In Year 6, the Town secured coverage for the Town’s solid waste transfer station under the USEPA’s 2008 NPDES Multi-Sector General Permit (MSGP). The facility’s coverage (under Sector N: Scrap Recycling Facilities) was effective as of March 2009. Requirements under the 2008 MSGP are more expansive than the previous permit, so much focus in Years 6 and 7 included training staff in the additional analytical sampling and inspection requirements and implementing these items. In Year 8, the Town continued its quarterly outfall sampling and bench mark monitoring at the Transfer Station. The Department of Public Works has also been actively working with the neighboring nuclear power plant to fix the outfall pipe between the power plant and the transfer station to repair damaged pipe sections, reduce stagnant flow, and improve quality of the outfall discharge. A portion of the pipe has

been replaced by the nuclear power plant, and ongoing evaluations by the Town will determine if this repair remedied the problems with the drainage system in that area.

The Town actively participated in the public comment period for the USEPA's Draft NPDES Small Municipal Separate Storm System (MS4) Permit, which was issued in December 2008, both on its own and in conjunction with the Seacoast Stormwater Coalition (the Coalition). The Town has continued to be actively involved in attending workshops and updates regarding the new MS4 permits.

Work in Year 8 included maintenance and improvement of stormwater infrastructure. The Town initiated a project on Manchester Street to alleviate drainage problems that have historically been a problem area for the Town. The design for this work had been completed in previous years, but approval of the warrant article allowed for this project to be funded and constructed in Year 8. The design was completed by Altus Engineering, and the construction was a joint effort between the Department of Public Works and Matrix Construction. The project consisted of two (2) 5-foot diameter leaching catch basins with 2-foot sumps that drain to a manhole which then goes into a 48-inch pipe that runs down the street approximately one-hundred (100) feet. This system essentially serves as a drainage holding system that allows subsurface leaching of stormwater. . This has eliminated the long-term problem of flooding on that street, and it has done so through engineering a system that focuses on retention and slow release, rather than diverting the stormwater to surface water. Such a system strongly supports Phase II NPDES and environmental goals for supplementing and preserving groundwater resources.

The Town also performed pipe cleaning (i.e., jetting) of storm drain infrastructure on Portsmouth Avenue (during which significant quantities of floatables and debris were removed from the system), Quaker Lane, and Lakeshore Drive. Stormwater drainage infrastructure at the solid waste transfer station (including catch basins) was cleaned and flushed. As previously mentioned, the Department continued its catch basin cleaning program, cleaning more than 1,000 catch basins, and educating residents nearby those basins of the activity by the use of doorknob hangtags. The Town also conducted street sweeping along Railroad Avenue, Centennial Road, Walton Road, Washington Street, South Main Street, and Collins Street.

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 on these efforts by completing inspections of 15 high-priority stormwater outfalls (defined as those discharging to impaired waters [such as Cain's Brook]) in the area of Cain's Brook near Route 1, in addition to inspecting 36 non-priority stormwater outfalls.

As part of the Cains Pond Restoration project, in Year 7, the Seabrook Conservation Commission designed and commenced construction of new stormwater infrastructure on Lakeshore Drive, specifically a 3-unit catch basin

structure to alleviate pollution and runoff issues that historically have impacted Cains Mill Pond. . The design consists of a series of in-ground structures with deep sumps to trap sediment and baffles to control floatable material. Designs in Year 7 also included drainage corrections at Groveland Street; the area of Atlantic Avenue at Lawrence Street; Worthley Avenue; and Phoenix Avenue. In Year 8, the Cains Mill Pond project was completed and a revised management plan was submitted upon completion to comply with new impaired waters documentation requirements. The updated Plan is available on the Town's website. As a result of this project, Cain's Brook is in the process of becoming delisted from the impaired waters list for both navigation and recreation. At the end of October 2010, a ribbon-cutting ceremony was held at the pond to mark the accomplishment of this project, which also included dredging that removed 7,500 cubic yards of accumulated sediment from the impaired pond.

SCC completed the Seabrook Pet Waste Control Project in Year 7. SCC created fliers and posters addressing the importance of proper disposal of pet waste. In Year 8, the Town continued to insert these fliers into the dog license renewal notices sent out by the Town Clerk's office. The posters were displayed in all town buildings. New signs were posted around Town near parks and recreational areas. The Town also put up a "No Feeding the Ducks" sign at the local ponds due to the potential increase of nitrogen levels resulting from an increase in duck habitation. Litter cleanup was also completed by Winnacunnet High School Marine Biology Class in Year 3, Year 7, and the Spring and Fall of Year 8.

In Year 7, the SCC along with the Rockingham Planning Commission participated in an Adaptive Planning Project for Sea-Level Rise in the Town of Seabrook. This was a FY 2009 New Hampshire Coastal Program Technical Planning Assistance Project. Findings were presented in June 2009. In Year 8, the Town has continued 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. These issues were directly addressed in the updates to the infrastructure portion of the 2000 Master Plan, which includes stormwater facilities. Master Plan Updates were completed for both Natural Resources and Land Use. The updates discuss the concept of cluster zoning development to reduce areas of disturbance and extent of pavement.

In Year 7, the SCC was involved in the New Hampshire Volunteer River Assessment Program which monitors and reports at 8 locations around the Cains Brook Watershed. The 2009 Water Quality Report was released in January 2010. In Year 8, volunteers from Seabrook were trained; however, due to changes in sampling requirements, activity on this volunteer effort decreased from Year 7. In Year 7, SCC was also involved in the Piscataqua Region Environmental Planning Assessment which was released in March 2010 providing an evaluation of environmental planning efforts and land use regulations for the 52 communities in the Piscataqua Region, including the Town of Seabrook. In Year 8, this information was also incorporated in the Master Plan.

In Year 8, staff from the Department of Public Works and the Conservation Commission attended the following training and workshops: 1) “Breaking through Barriers: A Roadmap to Invasive Plant Control” presented by the NH Coastal Watershed Invasive Plant Partnership, 2) “Water, Weather, Climate and Community: Where’s Your Weakness?” coordinated through the New Hampshire Coastal Adaptation Workgroup, 3) “Thermal Impacts of Stormwater BMPs, Thermal Regimes of Northeast Streams, and their Nexus” presented by the University of New Hampshire Stormwater Center, Environmental Research Group, and the New Hampshire Coastal Training Program. Throughout the year, a representative from Seabrook attended a majority of the monthly Seacoast Coalition Meetings. As part of the Coastal Grant Program, Seabrook has volunteered to be a pilot town to , assess the extent to which green spaces can treat stormwater pollutants. Fertilizer optimization is also part of the program.

In Year 7, The Seabrook Planning Board developed and gained approval for the addition of a Stormwater Operations and Maintenance Manual for stormwater Best Management Practices. The objective of the Stormwater O&M Manual is to “ensure that systems function as designed”. The Manual is reviewed by the Planning Board and approved as part of the review of the post-construction stormwater management system. The O&M Manual is incorporated in the Stormwater Pollution Prevention Plan (SWPPP) for developments required to produce these documents. Submittal and approval of an O&M Manual is a condition for approval of a subdivision or site plan. In Year 8, the Planning Board further modified the requirement so that the Operations and Maintenance Plan would be included directly on the site plan, which is recorded at the registry of deeds.. The Planning Board is also currently working on the 5-year update of the Hazmat plan, and is incorporating stormwater controls into this plan.

In Year 8, the Department continued to gather information about a variety of alternatives to the current Household Hazardous Waste (HHW) collection program. The objectives are to integrate good planning activities into collection of these materials and to centralize the collection of HHW materials for proper disposal. The Department contacted surrounding communities to assess whether there would be an opportunity to participate in a regional HHW event. Due to the current size of some of the regional events, as well as the logistics of getting to these events because of the distance from Seabrook, it does not appear that any of these options will be feasible. In the upcoming year, efforts will be initiated to coordinate their own Household Hazardous Waste event and possibly in conjunction with the annual Fall Cleanup. The Town will seek proposals from companies that provide household hazardous waste disposal, as well as seeking potential locations and coordination within the Town.

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 continue achieving the Town’s goals for stormwater management.

**Part III. Summary of Minimum Control Measures**

**1. Public Education and Outreach**

<b>BMP ID #</b>	<b>BMP Description</b>	<b>Responsible Dept./Person Name</b>	<b>Measurable Goal(s)</b>	<b>Progress on Goal(s) – Permit Year 8</b> (Reliance on non-municipal partners indicated, if any)	<b>Planned Activities – Continued Permit Compliance Activities</b>
1.1	Distribute Information – Post Fact Sheets on Town website.	Department of Public Works (DPW)	Fact sheets available to the public via the Town’s website.	Town’s website was updated in 2009 to make information more easily accessible to the public. The Stormwater poster, brochure, and fact sheets were maintained on the newly revamped Department of Public Works’ website, at <a href="http://www.seabrooknh.org/">http://www.seabrooknh.org/</a> with a specific link to the Stormwater Program.	Maintain the links on the website.
Revised					
1.1	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.	Corrective actions at Walmart and any other locations with illicit connections will include violation letter, follow up inspection and documentation requirements to ensure the illicit connection has been removed. The Town has submitted the violation letter to Walmart and is in the process of coordinating removal of the illicit connection.	Continue coordination with Walmart for removal of illicit connection and follow-up inspection. Continue to educate and inspect other local businesses that have stormwater infrastructure. Investigate any other commercial properties with potential illicit connections.
Revised					

<b>BMP ID #</b>	<b>BMP Description</b>	<b>Responsible Dept./Person Name</b>	<b>Measurable Goal(s)</b>	<b>Progress on Goal(s) – Permit Year 8</b> (Reliance on non-municipal partners indicated, if any)	<b>Planned Activities – Continued Permit Compliance Activities</b>
1.1 Revised	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 via the website.	Continue to expand the number of locations and events at which the Fact Sheet is available.
1.1 Revised	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. These brochures are all available via the website which can be accessed by all Seabrook residents.	Continue to expand the number of locations at which the brochures are available, including direct mailings to local businesses that have stormwater infrastructure.
1.2 Revised	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.
1.3 Revised	Community Outreach- Develop Stormwater Informational Poster Board	DPW Consultant	Develop Poster Board	This goal was accomplished in Year 4.	Continue to display stormwater poster at as many locations and events as possible.
1.3 Revised	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.

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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. The DPW and SCC installed approximately 400 permanent stainless steel catch basin markers (to replace previous paint-based identification) in Year 6. Litter cleanup was completed by Winnacunnet High School Marine Biology Class in Year 3, Year 7, as well as the Spring and Fall of Year 8.	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 6, Year 7, and again in Year 8 as more than 1,000 catch basins were cleaned.	Continue to expand the methods by which educational materials are distributed to the community and businesses.
Revised					

<b>BMP ID #</b>	<b>BMP Description</b>	<b>Responsible Dept./Person Name</b>	<b>Measurable Goal(s)</b>	<b>Progress on Goal(s) – Permit Year 8</b> (Reliance on non-municipal partners indicated, if any)	<b>Planned Activities – Continued Permit Compliance Activities</b>
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. In Year 6, the Town participated in four Coalition meetings, with topics ranging from the Draft MS4 permit, Household Hazardous Waste, impaired waters, and sampling methods. Due to staffing availability, no meetings were attended in Year 7. However, in Year 8, Seabrook became more actively involved in the Seabrook Coalition, including involvement in their subcommittees as well as the Town volunteering to participate as a pilot town for their Coastal Grant Program.	Continue to utilize the resources of the Coalition to improve opportunities for the public to report discharges.
Revised					
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.

**1a. Additions**

<b>BMP ID #</b>	<b>BMP Description</b>	<b>Responsible Dept./Person Name</b>	<b>Measurable Goal(s)</b>	<b>Progress on Goal(s) – Permit Year 8</b> (Reliance on non-municipal partners indicated, if any)	<b>Planned Activities – Continued Permit Compliance Activities</b>
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 and on the website.	Continue to monitor the stormwater education materials posted and available at locations around the Town, as well as electronically on the website
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 8, 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.

**2. Public Involvement and Participation**

2.1	Public Volunteers - Solicit Volunteers from Town Committees, Groups, and the High School	SCC	Secure volunteers for public participation events	Utilized the Winnacunnet High School Marine Biology Class as a source for recruiting volunteers.	Continue to secure additional volunteer groups. Continue to solicit additional volunteers through the Town’s website, the local cable access channel, and other associations/classes.
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	Utilized the Winnacunnet High School Marine Biology Class as a source for recruiting volunteers.	Continue to secure additional volunteer groups. Continue to solicit additional volunteers through the Town’s website, the local cable access channel, and other associations/classes.
Revised					

<b>BMP ID #</b>	<b>BMP Description</b>	<b>Responsible Dept./Person Name</b>	<b>Measurable Goal(s)</b>	<b>Progress on Goal(s) – Permit Year 8</b> (Reliance on non-municipal partners indicated, if any)	<b>Planned Activities – Continued Permit Compliance Activities</b>
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					
2.3	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.
Revised					
2.4	Community Events - Storm Drain Stenciling	SCC/DPW	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 of more than 400 of these markers were installed in Year 6 by members of the DPW. By Year 7, Seabrook DPW installed the new catch basin markers at all the catch basins in the Cains Brook Watershed.	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.
Revised					

<b>BMP ID #</b>	<b>BMP Description</b>	<b>Responsible Dept./Person Name</b>	<b>Measurable Goal(s)</b>	<b>Progress on Goal(s) – Permit Year 8</b> (Reliance on non-municipal partners indicated, if any)	<b>Planned Activities – Continued Permit Compliance Activities</b>
2.4 Revised	Community Events - Wetland Plantings	SCC	Organize and conduct planting	No wetland planting events were conducted in Year 8, In Year 7, the SCC was involved in the New Hampshire Volunteer River Assessment Program which monitors and reports at 8 locations around the Cains Brook Watershed. The 2009 Water Quality Report was released in January 2010. In Year 8, volunteers from Seabrook were trained; however, due to changes in sampling requirements, activity on this volunteer effort decreased from Year 7. In Year 7, SCC was also involved in the Piscataqua Region Environmental Planning Assessment which was released in March 2010 providing an evaluation of environmental planning efforts and land use regulations for the 52 communities in the Piscataqua Region, including the Town of Seabrook. In Year 8, this information was also incorporated in the Master Plan.	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 8.	Continue to inspect for new outfalls and post these locations.

**2a. Additions**

<b>BMP ID #</b>	<b>BMP Description</b>	<b>Responsible Dept./Person Name</b>	<b>Measurable Goal(s)</b>	<b>Progress on Goal(s) – Permit Year 8</b> (Reliance on non-municipal partners indicated, if any)	<b>Planned Activities – Continued Permit Compliance Activities</b>
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. However, the Town utilized the Winnacunnet High School Marine Biology Class as a source for recruiting volunteers.	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 8.	Continue to leave door hangers during catch basin cleaning.

### 3. Illicit Discharge Detection and Elimination

<b>BMP ID #</b>	<b>BMP Description</b>	<b>Responsible Dept./Person Name</b>	<b>Measurable Goal(s)</b>	<b>Progress on Goal(s) – Permit Year 8</b> (Reliance on non-municipal partners indicated, if any)	<b>Planned Activities – Continued Permit Compliance Activities</b>
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. Many of these known outfalls were re-inspected in Year 8, 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 structures will continue to be added, so mapping is an ongoing effort.	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 8.	Monitor and enforce implementation of the Rules and Regulations. Assess Ordinance goals and revise, if necessary.

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3.2	Rules and Regulations-Develop Enforcement Procedures	Planning Board	Development of Enforcement Procedures.	This was completed prior to Year 8.	Monitor implementation of the Rules and Regulations. Track enforcement and removal of illicit connections.
Revised					
3.2	Rules and Regulations-Detection/ Elimination Inspection	DPW and DPW Consultant	Identify and train inspection agents. Begin Inspections.	Corrective actions at Walmart and any other locations with illicit connections will include violation letter, follow up inspection and documentation requirements to ensure the illicit connection has been removed. The Town has submitted the violation letter to Walmart and is in the process of coordinating removal of the illicit connection.	Continue coordination with Walmart for removal of illicit connection and follow-up inspection. Continue to educate and inspect other local businesses that have stormwater infrastructure. Investigate any other commercial properties with potential illicit connections.
Revised					
3.3	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. 15 high-priority outfalls and 36 additional outfalls were inspected in Year 8.	Continue to inspect key outfalls as necessary.
Revised					

<b>BMP ID #</b>	<b>BMP Description</b>	<b>Responsible Dept./Person Name</b>	<b>Measurable Goal(s)</b>	<b>Progress on Goal(s) – Permit Year 8</b> (Reliance on non-municipal partners indicated, if any)	<b>Planned Activities – Continued Permit Compliance Activities</b>
3.3	Illicit Discharge Detection/ Elimination – Develop a plan to detect non-stormwater discharges	DPW Consultant	Plan Completion	Corrective actions at Walmart and any other locations with illicit connections will include violation letter, follow up inspection and documentation requirements to ensure the illicit connection has been removed. The Town has submitted the violation letter to Walmart and is in the process of coordinating removal of the illicit connection.	Continue coordination with Walmart for removal of illicit connection and follow-up inspection. Continue to educate and inspect other local businesses that have stormwater infrastructure. Investigate any other commercial properties with potential illicit connections.
Revised					
3.3	Illicit Discharge Detection/ Elimination Prioritization Plan – Implement a plan to detect non-stormwater discharges	DPW Consultant	Annual Inspection	Corrective actions at Walmart and any other locations with illicit connections will include violation letter, follow up inspection and documentation requirements to ensure the illicit connection has been removed. The Town has submitted the violation letter to Walmart and is in the process of coordinating removal of the illicit connection.	Continue coordination with Walmart for removal of illicit connection and follow-up inspection. Continue to educate and inspect other local businesses that have stormwater infrastructure. Investigate any other commercial properties with potential illicit connections.
Revised					

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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 coordination with Walmart for removal of illicit connection and follow-up inspection. Continue to educate and inspect other local businesses that have stormwater infrastructure. Investigate any other commercial properties with potential illicit connections.
Revised					

### 3a. Additions

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### 4. Construction Site Stormwater Runoff Control

<b>BMP ID #</b>	<b>BMP Description</b>	<b>Responsible Dept./Person Name</b>	<b>Measurable Goal(s)</b>	<b>Progress on Goal(s) – Permit Year 6</b> (Reliance on non-municipal partners indicated, if any)	<b>Planned Activities – Continued Permit Compliance Activities</b>
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					

<b>BMP ID #</b>	<b>BMP Description</b>	<b>Responsible Dept./Person Name</b>	<b>Measurable Goal(s)</b>	<b>Progress on Goal(s) – Permit Year 6</b> (Reliance on non-municipal partners indicated, if any)	<b>Planned Activities – Continued Permit Compliance Activities</b>
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 future projects.	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					
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					

<b>BMP ID #</b>	<b>BMP Description</b>	<b>Responsible Dept./Person Name</b>	<b>Measurable Goal(s)</b>	<b>Progress on Goal(s) – Permit Year 8</b> (Reliance on non-municipal partners indicated, if any)	<b>Planned Activities – Continued Permit Compliance Activities</b>
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. In Year 6, the Planning Board expanded stormwater management requirements to include the development and approval of a Stormwater Operations and Maintenance Manual for all sites. In Year 8, the Planning Board took it a step farther and modified the requirement so that the Operations and Maintenance Plan would be included directly on the site plan because this gets recorded into the system, so that it can be referenced on the official recorded files. The Planning Boarding is also currently working on the 5-year update of the Hazmat plan, and are incorporating stormwater controls into this plan	Continue to take a larger role in review of Stormwater Pollution Prevention Plans and Stormwater Operations and Maintenance Manuals.
Revised					

<b>BMP ID #</b>	<b>BMP Description</b>	<b>Responsible Dept./Person Name</b>	<b>Measurable Goal(s)</b>	<b>Progress on Goal(s) – Permit Year 8</b> (Reliance on non-municipal partners indicated, if any)	<b>Planned Activities – Continued Permit Compliance Activities</b>
4.3	Site Inspection/ Enforcement – Pre-Construction Meetings	DPW and Planning Board	Implement program.	In Year 6, the DPW Manager attended pre-construction meetings for several construction projects, including the Kohl’s department store and the Northern Utilities gas main extension on Farm Road and Railroad Avenue. In Year 7, the DPW Manager attended Beckman Woods. In Year 7, the DPW Manager attended no pre-construction meetings due to no major construction projects ongoing this year.	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.	In Year 8, the Town contracted a consultant to provide full-time inspection of the storm drain construction (total of 9 inspections – 6 for on-going development and 3 for pre-development)	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.
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**

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### 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 8 (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. In Year 8, Master Plan Updates were completed for both Natural Resources and Land Use. The updates discuss the concept of cluster zoning development to reduce areas of disturbance and extent of pavement.	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. In Year 8, Master Plan Updates were completed for both Natural Resources and Land Use. The updates discuss the concept of cluster zoning development to reduce areas of disturbance and extent of pavement.	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.

<b>BMP ID #</b>	<b>BMP Description</b>	<b>Responsible Dept./Person Name</b>	<b>Measurable Goal(s)</b>	<b>Progress on Goal(s) – Permit Year 8</b> (Reliance on non-municipal partners indicated, if any)	<b>Planned Activities – Continued Permit Compliance Activities</b>
5.1	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. In Year 8, Master Plan Updates were completed for both Natural Resources and Land Use. The updates discuss the concept of cluster zoning development to reduce areas of disturbance and extent of pavement.	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.
Revised					
5.1	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.
Revised					
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. In Year 8, Master Plan Updates were completed for both Natural Resources and Land Use. The updates discuss the concept of cluster zoning development to reduce areas of disturbance and extent of pavement.	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					

<b>BMP ID #</b>	<b>BMP Description</b>	<b>Responsible Dept./Person Name</b>	<b>Measurable Goal(s)</b>	<b>Progress on Goal(s) – Permit Year 8</b> (Reliance on non-municipal partners indicated, if any)	<b>Planned Activities – Continued Permit Compliance Activities</b>
5.3	Site Inspection / Enforcement Procedures - During construction, inspect for assurance that BMPs are compliant	Planning Board	Implement for each project.	In Year 8, the Town contracted a consultant to provide full-time inspection of the storm drain construction (total of 9 inspections – 6 for on-going development and 3 for pre-development)	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. In Year 6, the Planning Board expanded stormwater management requirements to include the development and approval of a Stormwater Operations and Maintenance Manual for all sites. In Year 8, the Planning Board took it a step farther and modified the requirement so that the Operations and Maintenance Plan would be included directly on the site plan because this gets recorded into the system, so that it can be referenced on the official recorded files.	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**

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## 6. Pollution Prevention and Good Housekeeping in Municipal Operations

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 8 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Continued Permit Compliance Activities
6.1  Revised	Employee Training	DPW	Annually conduct training.	In Year 8, staff from the Department of Public Works and the Conservation Commission attended the following training and workshops: 1) “Breaking through Barriers: A Roadmap to Invasive Plant Control” presented by the NH Coastal Watershed Invasive Plant Partnership, 2) “Water, Weather, Climate and Community: Where’s Your Weakness?” coordinated through the New Hampshire Coastal Adaptation Workgroup, 3) “Thermal Impacts of Stormwater BMPs, Thermal Regimes of Northeast Streams, and their Nexus” presented by the University of New Hampshire Stormwater Center, Environmental Research Group, and the New Hampshire Coastal Training Program.	Continue to implement and expand facility-specific training received by DPW staff.
6.1  Revised	Employee Training	DPW/ DPW Consultant	Annually conduct training.	The DPW are active with the Seacoast Stormwater Coalition; however, due to staffing availability, no meetings were attended in Year 7. Throughout Year 8, there was a representative from Seabrook for the majority of the monthly Seacoast Coalition Meetings. Seabrook has volunteered to be a pilot town for the Coastal Grant Program, which addresses the treatment of stormwater pollutants.	Continue to attend workshops sponsored by the Coalition and implement these programs and approaches.

<b>BMP ID #</b>	<b>BMP Description</b>	<b>Responsible Dept./Person Name</b>	<b>Measurable Goal(s)</b>	<b>Progress on Goal(s) – Permit Year 8</b> (Reliance on non-municipal partners indicated, if any)	<b>Planned Activities – Continued Permit Compliance Activities</b>
6.2	Storm Water System Operation and Maintenance – System Inspection Program	DPW	Develop inspection plan for entire storm water system.	The Town had a program in place for inspection of catch basins and outfalls prior to Year 5, thereby completing this goal.	Use completed detention/retention basin survey to complete inspections of these structures. Determine need for cleaning and repairs where necessary. Continue inspecting catch basins and outfalls according to existing program.
Revised					
6.2	Storm Water System Operation and Maintenance – Maintenance and Cleaning	DPW	Develop inspection and cleaning plan for the storm sewer system, including outfalls.	The Town is effective at cleaning catch basins regularly, cleaning over 1,000 basins in Year 8 alone.	Continue to assess and replace substandard structures as needed. Continue to pursue grants from the New Hampshire Department of Environmental Services and other sources to fund future replacements.
Revised					
6.2	Storm Water System Operation and Maintenance – Structural BMP Maintenance and Cleaning	DPW	Fix or replace substandard infrastructure.	No retention basins or other structural BMPs inspected in Year 6 required cleaning or maintenance.	Continue inspection activities of infrastructure, retention basins or other structural BMPs. Determine need for cleaning and repair when necessary.
Revised					

<b>BMP ID #</b>	<b>BMP Description</b>	<b>Responsible Dept./Person Name</b>	<b>Measurable Goal(s)</b>	<b>Progress on Goal(s) – Permit Year 8</b> (Reliance on non-municipal partners indicated, if any)	<b>Planned Activities – Continued Permit Compliance Activities</b>
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					

<b>BMP ID #</b>	<b>BMP Description</b>	<b>Responsible Dept./Person Name</b>	<b>Measurable Goal(s)</b>	<b>Progress on Goal(s) – Permit Year 8</b> (Reliance on non-municipal partners indicated, if any)	<b>Planned Activities – Continued Permit Compliance Activities</b>
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 8, all curbed areas with sidewalks continued to be hand-swept. Also in Years 7 and 8, a contractor was hired to perform mechanical street-sweeping on Railroad Avenue, Centennial Road, Walton Road, Washington Street, South Main Street, and Collins Street.	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 8, 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.

<b>BMP ID #</b>	<b>BMP Description</b>	<b>Responsible Dept./Person Name</b>	<b>Measurable Goal(s)</b>	<b>Progress on Goal(s) – Permit Year 8</b> (Reliance on non-municipal partners indicated, if any)	<b>Planned Activities – Continued Permit Compliance Activities</b>
6.5 Revised	Parks and Open Space- Pet Waste Management	DPW /SCC	Implement Program	SCC completed the Seabrook Pet Waste Control Project on June 26, 2009. SCC created fliers and posters addressing the importance of properly disposing of pet waste. In year 8, The fliers were inserted into the dog license renewal notices sent out by the Town Clerk's office. The posters were put up in all town buildings.	Continue to evaluate the effectiveness of Pet Waste Management goals.

#### 6a. Additions

<b>BMP ID #</b>	<b>BMP Description</b>	<b>Responsible Dept./Person Name</b>	<b>Measurable Goal(s)</b>	<b>Progress on Goal(s) – Permit Year 8</b> (Reliance on non-municipal partners indicated, if any)	<b>Planned Activities – Continued Permit Compliance Activities</b>
6.3	Municipal Industrial Operations – Housekeeping and Pollution Prevention at the DPW Building	DPW	Implement Program	Good housekeeping measures and pollution prevention inspections are already completed at the Town's Transfer Station. This BMP expanded these inspections to the DPW's Highway Facility, which was accomplished in Year 5.	Continue to implement the SWPPP developed for the Highway Facility.

<b>BMP ID #</b>	<b>BMP Description</b>	<b>Responsible Dept./Person Name</b>	<b>Measurable Goal(s)</b>	<b>Progress on Goal(s) – Permit Year 8</b> (Reliance on non-municipal partners indicated, if any)	<b>Planned Activities – Continued Permit Compliance Activities</b>
6.3	Municipal Industrial Operations – Transfer Station Permitting	DPW / DPW Consultant	Design and construct leachate storage tank.	In Year 6, the Town constructed and commissioned a subsurface tank to capture leachate (significantly diluted by rainwater) at the solid waste transfer station. This tank is fully in operation.	Continue to evaluate the effectiveness of the leachate holding tank.
6.3	Municipal Industrial Operations – Transfer Station Permitting	DPW	Complete required analytical sampling at solid waste transfer station.	Visual monitoring sampling procedures are included in the SWPPPs for both the Transfer Station and Highway Facility properties. The transfer station’s coverage under the 2008 MSGP expands sampling requirements at the facility. The Town identified the GPS location of all outfalls at the Transfer Station, marked these locations with signs, and has conducted quarterly outfall sampling and benchmark monitoring at these locations.	Continue to complete visual monitoring of stormwater from both the Transfer Station and Highway Facility sites, and continue to conduct quarterly sampling and benchmark monitoring at the Transfer Station as required by the MSGP.

<b>BMP ID #</b>	<b>BMP Description</b>	<b>Responsible Dept./Person Name</b>	<b>Measurable Goal(s)</b>	<b>Progress on Goal(s) – Permit Year 8</b> (Reliance on non-municipal partners indicated, if any)	<b>Planned Activities – Continued Permit Compliance Activities</b>
6.3	Municipal Industrial Operations – Transfer Station Permitting	DPW	Satisfy conditions of the MSGP.	Also in Year 6, the Town secured coverage under a NPDES MSGP for its solid waste transfer station, covered under Sector N (Scrap Recycling Facilities)	Continue training for staff to ensure that MSGP conditions are satisfied. The Department of Public Works has also been actively working with the neighboring nuclear power plant to fix the outfall pipe between the power plant and the transfer station to repair damaged pipe sections, reduce stagnant flow, and improve quality of the outfall discharge. A portion of the pipe has been replaced by the nuclear power plant, and current evaluations by the Town are undergoing to determine if this repair will remedy the problems with the drainage system in that area.

**7. BMPs for Meeting Total Maximum Daily Load (TMDL) Waste Load Allocations (WLA) <<if applicable>>**

<b>BMP ID #</b>	<b>BMP Description</b>	<b>Responsible Dept./Person Name</b>	<b>Measurable Goal(s)</b>	<b>Progress on Goal(s) – Permit Year 8</b> (Reliance on non-municipal partners indicated, if any)	<b>Planned Activities – Continued Permit Compliance Activities</b>
	N/A	N/A	N/A	N/A	N/A
Revised	-----	-----	-----		

**7a. Additions**

	N/A	N/A	N/A	N/A	N/A

**7b. WLA Assessment**

**Part IV. Summary of Information Collected and Analyzed**

In Year 8, 15 high-priority outfall locations were re-inspected and sampling was completed at two of these outfalls to ensure no illicit discharges were connected to these outfalls. Visual observations at all locations were recorded on forms. No evidence of illegal discharge was discovered.

Catch basin identification, cleaning, and inspection, outfall inspection and sampling, outfall cleaning and maintenance, and beach cleaning continued, as in previous years. Pre-construction meeting involvement and construction site inspection continued. Best Management Practices implemented by the DPW in previous years continued.

**Part V. Program Outputs & Accomplishments (OPTIONAL)**

(Since beginning of permit coverage unless specified otherwise by a \*\*, which indicates response is for period covering April 1, 2010 through March 31, 2011)

**Programmatic**

	(Preferred Units)	Response
Stormwater management position created/staffed	(y/n)	No
Annual program budget/expenditures **	(\$)	\$58,320
Total program expenditures since beginning of permit coverage	(\$)	\$683,895
Funding mechanism(s) (General Fund, Enterprise, Utility, etc)		General Fund

**Education, Involvement, and Training**

Estimated number of property owners reached by education program(s)	(# or %)	700 (#)**
Stormwater management committee established	(y/n)	No
Stream teams established or supported	(# or y/n)	No

Shoreline clean-up participation or quantity of shoreline miles cleaned **	(y/n or mi.)	2 (mi)
Shoreline cleaned since beginning of permit coverage	(mi.)	14 (mi)
Household Hazardous Waste Collection Days		
▪ days sponsored **	(#)	0
▪ community participation **	(# or %)	N/A
▪ material collected **	(tons or gal)	N/A
School curricula implemented	(y/n)	No

**Legal/Regulatory**

	In Place Prior to Phase II	Reviewing Existing Authorities	Drafted	Draft in Review	Adopted
Regulatory Mechanism Status (indicate with “X”)					
▪ Illicit Discharge Detection & Elimination					X
▪ Erosion & Sediment Control					X
▪ Post-Development Stormwater Management					X
Accompanying Regulation Status (indicate with “X”)					
▪ Illicit Discharge Detection & Elimination					X
▪ Erosion & Sediment Control					X
▪ Post-Development Stormwater Management					X

**Mapping and Illicit Discharges**

	(Preferred Units)	Response
Outfall mapping complete	(%)	100
Estimated or actual number of outfalls	(#)	96
System-Wide mapping complete (complete storm sewer infrastructure)	(%)	98
Mapping method(s)		

▪ Paper/Mylar	(%)	N/A
▪ CADD	(%)	N/A
▪ GIS	(%)	100
Outfalls inspected/screened **	(# or %)	51 (#)
Outfalls inspected/screened (Since beginning of permit coverage)	(# or %)	96 (#)
Illicit discharges identified **	(#)	1
Illicit discharges identified (Since beginning of permit coverage)	(#)	1
Illicit connections removed **	(#); and (est. gpd)	Pending
Illicit connections removed (Since beginning of permit coverage)	(#); and (est. gpd)	Pending
% of population on sewer	(%)	100 (%)
% of population on septic systems	(%)	0 (%)

### Construction

	(Preferred Units)	Response
Number of construction starts (>1-acre) **	(#)	0 (#)
Estimated percentage of construction starts adequately regulated for erosion and sediment control **	(%)	100 (%)
Site inspections completed **	(# or %)	9 (#)
Tickets/Stop work orders issued **	(# or %)	0
Fines collected **	(# and \$)	0
Complaints/concerns received from public **	(#)	0

## Post-Development Stormwater Management

Estimated percentage of development/redevelopment projects adequately regulated for post-construction stormwater control	(%)	100 (%)
Site inspections (for proper BMP installation & operation) completed **	(# or %)	0 (%)
BMP maintenance required through covenants, escrow, deed restrictions, etc.	(y/n)	Y
Low-impact development (LID) practices permitted and encouraged	(y/n)	Y

## Operations and Maintenance

	(Preferred Units)	Response
Average frequency of catch basin cleaning (non-commercial/non-arterial streets) **	(times/yr)	1-2/yr
Average frequency of catch basin cleaning (commercial/arterial or other critical streets) **	(times/yr)	1-2/yr
Qty of structures cleaned **	(#)	1,000 (#)
Qty. of storm drain cleaned **	(%, LF or mi.)	260 (LF)
Qty. of screenings/debris removed from storm sewer infrastructure **	(lbs. or tons)	200 tons
Disposal or use of screenings (landfill, POTW, compost, beneficial use, etc.) **	(location)	Compost
<b>Basin Cleaning Costs</b>		
• Annual budget/expenditure (labor & equipment)**	(\$)	\$34,580
• Hourly or per basin contract rate **	(\$/hr or \$ per basin)	\$110/hr
• Disposal cost**	(\$)	\$0
<b>Cleaning Equipment</b>		
• Clam shell truck(s) owned/leased	(#)	N/A
• Vacuum truck(s) owned/leased	(#)	Leased
• Vacuum trucks specified in contracts	(y/n)	Yes
• % Structures cleaned with clam shells **	(%)	0 (%)
• % Structures cleaned with vector **	(%)	100 (%)

Average frequency of street sweeping (non-commercial/non-arterial streets) **	(times/yr)	0/yr
Average frequency of street sweeping (commercial/arterial or other critical streets) **	(times/yr)	1/yr if curbed
Qty. of sand/debris collected by sweeping **	(lbs. or tons)	10 tons
Disposal of sweepings (landfill, POTW, compost, beneficial use, etc.) **	(location)	Compost
Annual Sweeping Costs		\$642
• Annual budget/expenditure (labor & equipment)**	(\$)	\$642
• Hourly or lane mile contract rate **	(\$/hr. or ln mi.)	N/A
• Disposal cost**	(\$)	N/A
Sweeping Equipment		
• Rotary brush street sweepers owned/leased	(#)	Leased
• Vacuum street sweepers owned/leased	(#)	N/A
• Vacuum street sweepers specified in contracts	(y/n)	N/A
• % Roads swept with rotary brush sweepers **	%	3%
• % Roads swept with vacuum sweepers **	%	N/A
Reduction (since beginning of permit coverage) in application on public land of: ("N/A" = never used; "100%" = elimination)		
▪ Fertilizers	(lbs. or %)	0(%)
▪ Herbicides	(lbs. or %)	0(%)
▪ Pesticides	(lbs. or %)	0(%)
Integrated Pest Management (IPM) Practices Implemented	(y/n)	Y

	(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 <sub>2</sub> % MgCl <sub>2</sub> % CMA % Kac % KCl % Sand	78% NaCl 22% Sand
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/l <sub>n</sub> mi. or %)	0(%)
Estimated net reduction or increase in typical year sand application rate **	(±lbs/l <sub>n</sub> mi. or %)	0(%)
% of salt/chemical pile(s) covered in storage shed(s)	(%)	100
Storage shed(s) in design or under construction	(y/n or #)	N/A
100% of salt/chemical pile(s) covered in storage shed(s) by May 2008	(y/n)	Y

### Water Supply Protection

Storm water outfalls to public water supplies eliminated or relocated	# or y/n	N
Installed or planned treatment BMPs for public drinking water supplies and their protection areas	# or y/n	Y
<ul style="list-style-type: none"> <li>Treatment units induce infiltration within 500-feet of a wellhead protection area</li> </ul>	# or y/n	Y