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Municipality/Organization: **Town of Seabrook**

EPA NPDES Permit Number: **NHR041033**

Annual Report Number & Reporting Period: **April 1, 2016 – March 31, 2017**

NPDES PII Small MS4 General Permit Annual Report (Due: May 1, 2017)

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: [signature]

Printed Name: William M Manzi III

Title: Town Manager

Date: 4-11-2017

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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. By May 1 of years 2004 through 2016, the Town submitted the Annual Reports for Years 1 through 13 to the USEPA and NHDES. This Annual Report covers the eighth year beyond expiration of the 5-year MS4 Permit term, referred to hereafter as "Year 14".

The Town of Seabrook has completed the required self-assessment for the Year 14 Annual Report and has determined that the municipality continues to be in compliance with all permit conditions. The Town continued improvements focused on the goals established for and beyond the 5-year Permit term, including: inspection of high-priority outfalls (15 high-priority outfalls plus 14 non-priority outfalls, see Attachment A); investigation for new outfalls and inspecting the solid waste transfer station. The Town acted on the maintenance recommendations identified in the outfall inspection report. 12 outfalls were cleared of obscuring plant growth to provide better access to the outfall. Faded or missing signage was replaced at five outfalls, three damaged outfalls were repaired, two upstream catch basins were vac-cleaned, one outfall pipe was jet cleaned, and two outfalls had blocking/obscuring debris removed. Ten catch basins were repaired by resetting the grate after plow damage or replacing salt eroded masonry. The DPW continued its catch basin cleaning program, cleaning approximately 1,000 catch basins, and educating residents near those basins regarding the activity by the use of doorknob hangtags. The Town also continued activities that were initiated in previous years, such as subdivision inspection, illicit discharge detection and elimination, activity in the Seacoast Stormwater Coalition, and distribution of stormwater educational brochures and materials. In Year 7 illicit discharge inspections were performed in commercial facilities. Mechanical street sweeping by a contractor in Year 14 included municipal parking lots, Railroad Avenue, Centennial Road, Walton Road, and School Street. In reporting year 12, The Department of Public Works (DPW) GPS located four previously unmapped outfalls (three in Seabrook and one over the border in Hampton Falls that accepts flow from Seabrook) and evaluated for possible illicit discharges (none were found). The outfalls were added to the mapping system and will be inspected on a rotating basis along with the other Town owned outfalls.

The Town completed an estimated 550 liner feet of storm drain cleaning during the reporting period, including about 200 linear feet along the Transfer Station access road, about 50 linear feet on Granddaughter's Way, and about 300 linear feet off of Walton Road.

Progress on regulatory mechanisms has been focused on enforcement in this reporting year as regulatory mechanisms were developed and implemented in prior reporting years. In March 2015 the Town enacted new Site Plan Review Regulations and Subdivision Regulations, which were attached to the Year 12 Report. These were drafted in conjunction with the University of New Hampshire Stormwater Center. These regulations apply to any

subdivision/adjustment of lot lines (regardless of acreage/size) or any new construction greater than one acre. The regulations require developers to include stormwater protection measures in the design, including the following:

- An operation and maintenance (O&M) plan for all stormwater control measures. The regulations require that the O&M plan be filed with the Rockingham County Registry of Deeds and that the developer legally designates a responsible party for O&M in perpetuity, with a mechanism established to bind successors in title.
- Erosion and pollution control measures that meet the most current EPA NPDES General Permit requirements.
- Local, drought resistant species for landscaping and detention pond vegetation.
- Low impact design and stormwater quality treatment/conveyance in compliance with the most current New Hampshire Stormwater Manual. Design must maintain or recreate the predevelopment hydrology of the landscape.
- Green Roofs on all construction in excess of 50,000 square feet with flat roofs or roofs sloped at less than 10 degrees.
- Compliance with LEED standards is strongly encouraged.
- Minimization of impervious area with planted islands designed to absorb run off from parking areas.
- A designated snow storage area that will not adversely affect stormwater management systems.
- Spill prevention, control and countermeasures requirements.

In Year 14, the Town worked with its engineering consultants to ensure stormwater regulations were enforced. Pre-construction site plan review meetings were held for each construction start to review compliance with stormwater bylaws and review the stormwater pollution prevention plans. The Town's consultants estimate that they performed about 20 site inspections/technical meetings/erosion control inspections for ongoing construction. Two post construction compliance verification inspections of stormwater BMP's were completed during the reporting period. Due to this proactive approach, no enforcement for non-compliance was required. Past enforcement activities include work during Permit Year 11, when U.S. Foods sought to purchase an unused Poland Springs bottling facility to renovate and use. The Town required U.S. Foods to submit a Spill Prevention, Control and Countermeasure Plan as well as a draft Stormwater Pollution Prevention Plan, which were reviewed for compliance with local regulations by the Town's stormwater consultant. While the draft documents were found to be generally adequate as a framework for final plans, U.S. Foods was bought out by another firm and did not finalize the purchase. Other Year 11 enforcement actions included a notice of violation to a developer that inadvertently covered a stormwater outfall with construction debris. Town Code Enforcement Officers followed up when a snow removal contractor was observed improperly disposing of snow and referred the incident to State regulators.

In the previous reporting year, the Town secured coverage for the Solid Waste Transfer Station under the USEPA's

2015 NPDES Multi-Sector General Permit for Stormwater Discharges Associated with Industrial Activity. The Town filed an eNOI (electronic Notice of Intent) under Sector N, Scrap Recycling Facilities. The Town is implementing the requirements of the new permit and filed an MSGP annual report during this reporting year. In addition, the Town upgraded the level sensing and associated alarm notification equipment for the Transfer Station's leachate holding tank in Year 13. Prior permit coverage for the Solid Waste Transfer Station was secured in Year 6, under the USEPA's 2008 NPDES Multi-Sector General Permit (MSGP), effective as of March 2009. Requirements under the 2008 MSGP were more expansive than the previous permit, so activity in Years 6 and 7 focused on training staff in the additional analytical sampling and inspection requirements and implementing these requirements. In Year 8, the Town continued its quarterly outfall sampling and bench mark monitoring at the Transfer Station. In Year 9, the Town replaced the Transfer Station outfall with a rain garden. For more information on the transfer station and its stormwater reporting, please see the 2016 Transfer Station MSGP report and the 2015 eNOI.

In Year 10, The Department of Public Works worked with NextEra Energy, the entity responsible for the neighboring nuclear power plant, to fix the stormwater outfall pipe between the power plant and the transfer station. The work included repair of damaged pipe sections, reducing stagnation, and improving quality of the outfall discharge.

In previous reporting periods, the Town actively participated in the public comment period for the USEPA's re-draft of the NPDES Small Municipal Separate Storm System (MS4) General Permit, which was issued in February 2013. The Town has continued to be involved in attending workshops and updates regarding the upcoming MS4 permits.

The Town took on operation of new stormwater infrastructure during the reporting period. The Stormwater infrastructure in a new development consisting of six streets (Burns Way, Marshall's Way, Hall's Way, Locke Lane, Coleman Courte, and Gene Drive Extension) was turned over to the Town. In Year 8, the Town funded and constructed a project on Manchester Street to alleviate drainage problems in that area. 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 5-foot diameter leaching catch basins with 2-foot sumps that drain to a manhole which then connects to a 48-inch pipe that extends along Manchester Street approximately 100 feet. This configuration essentially serves as a drainage holding system that allows subsurface leaching of stormwater. This has eliminated the long-term problem of street flooding, which was accomplished by engineering a system that focuses on retention, infiltration 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.

In Year 7, as part of the Cains Pond Restoration project, the Seabrook Conservation Commission (SCC) 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. In Year 8, the Cains Mill Pond project was completed and a revised management plan was submitted 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 has been delisted as an impaired water 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. During frequent visits by SCC representatives to Cains Mill Pond to verify the effectiveness of the program, the return of various species of wildlife was observed in Permit Years 9 through 11. Returning wildlife included frogs, snapping turtles, painted turtles, small fish, ducks and heron.

The Seabrook Conservation Commission completed the Seabrook Pet Waste Control Project in Year 7. The SCC created fliers and posters addressing the importance of proper disposal of pet waste. These fliers were inserted into the dog license renewal notices sent out by the Town Clerk's office in Year 9. This program was renewed in Year 12. Signs regarding proper disposal of pet waste are posted around Town near parks and recreational areas. In Permit Year 8, 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.

Beach litter cleanup was also completed during this permit year. In the summer months, the DPW sends staff at least one day per week to rake and remove litter from the beach, and Winnacunnet High School volunteers performed spring and fall harbor/beach clean ups. In addition, there is an ongoing sand dune restoration project at Seabrook Beach, partially funded by the Seabrook Conservation Commission in partnership with the University of New Hampshire Sea Grant. Local volunteers, including local students, assisted in this work. In Year 12, beach litter cleanup was headed up by the beach commissioner and a group of volunteers. In previous years (3, 7, 8, 9 and 10), the Winnacunnet High School Marine Biology Class performed beach litter cleanup. In Year 10, the Town piloted a new program, personally reaching out to managers of businesses along the densely developed Route 1, encouraging them to remove trash and litter which may accumulate near or on their property along the roadway. This program was reported to be successful and resulted in better year round removal of litter compared to once per year cleanups.

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. The Town continues 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 the extent of impervious pavement.

In Year 7, the SCC was involved in the New Hampshire Volunteer River Assessment Program which monitors and reports on eight 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. Sampling continued through Year 9. However, the Town has decided to discontinue participation due to changes in the program. In Year 7, SCC was also involved in the Piscataqua Region Environmental Planning Assessment (released in March 2010), which provided 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.

The Town's focus on staff training continued in Year 14. Three staff members achieved "Certified Salt Applicator" status through State of New Hampshire Department of Environmental Services training (see Attachment B). The training focuses on ways to use salt and de-icing chemicals more effectively so that application amounts can be reduced while maintaining effectiveness and safety. Reduced road salt application results in less chloride impact to the Town's waterways. In addition, Town representatives, including the DPW Manager, attended meetings of the Seacoast Stormwater Coalition, which provides members with resources and ideas to meet MS4 permit requirements.

The Town's progress on staff training is consistent with its efforts in previous reporting years. In Year 13, The Department of Public Works Manager received Green Snow Pro training certification through the University of New Hampshire Technology Transfer Center. He then trained the staffers who operate road sanders on how to perform environmentally friendly winter maintenance practices. Equipment calibration and setpoints for different conditions were laminated and posted in reach road sander. In Year 9, two staff members from the Department of Public Works completed their Technology Transfer (T^2) training at the University of New Hampshire at which they received instructions on proper ways to construct roads including runoff control, permitting, and drainage facilities. In Year 10, three members of the DPW Parks Division attended two New England Sports Turf Management seminars focused on achieving desirable plant growth in green spaces with a minimum of fertilizer use, especially through strategies such as increasing the quantity of seed spread per unit area. The Town is using these strategies to continue its policy of very low fertilizer use. In past reporting periods, Seabrook acted as a pilot town for a Coastal Grant Program, offering its green spaces as test areas for fertilizer optimization studies. This resulted in a manual for turf grass maintenance. As noted, Seabrook continues to follow best practices regarding green space management. For example, in Year 11 the Town purchased a soil pH meter to help turf managers make better decisions regarding soil treatment and reduce overall fertilizer use. In Year 11, the DPW Manager attended RSA 489-C Salt Applicator

Certification Training. Proper calibration of spreaders for salt application based on pavement and ambient temperatures, weather conditions and other variables as well as the importance and applicability of pre-treatment was covered and achievement was measured by an examination. The DPW Manager used this information to assist Town staff as well as local snow removal contractors to properly treat paved areas and reduce overall salt runoff to waterways. The Town will be able to fully benefit from this training in part due to their proactive efforts in Year 9 of purchasing pavement temperature sensors for use in roadway salt application. In Year 12, one staff member achieved "Senior Road Scholar" certification through the UNH Technology Transfer program, which included sessions regarding winter maintenance fundamentals, chloride training, managing invasive plant species, and Green Snow Pro. Three other staff members together attended three different NESTMA (New England Sports Turf Manager Association) trainings regarding nitrogen management in Year 12.

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 was 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. In prior years, the Town added similar requirements as a condition of Planning Board approval. The Beckman Woods subdivision is a good example of a development where the Town restricted the use of fertilizers due to the proximity of homes to sensitive wetland areas. Town Code Enforcement officers continue to follow up with homeowners in these areas who may seek to use restricted lawn fertilizers.

In Year 14 the Department of Public Works worked to reduce the quantity of bulky waste and Household Hazardous Waste (HHW) which could affect stormwater runoff quality if not properly disposed of. In Year 13, user fees were enacted so that residents could call the Town and request, for a small fee, the removal of bulky waste such as sofas, carpets, etc. from their properties. In addition, the Town partnered with the Exeter, NH DPW for the Exeter Area HHW Collection, held in late 2016. The Town also used the local public access channel to notify residents that HHW could not be processed at the solid waste transfer station or dumped; instead they can turn it in at the designated HHW collection place and time.

The Town will continue to file for grants from various sources, including the New Hampshire Department of Environmental Services, the New Hampshire Estuary Project, 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

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 14 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Continued Permit Compliance Activities
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 Town's website (http://www.seabrooknh.org/) 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.	Stormwater program information is available to all residents and businesses on the Town website. Further information is distributed through doorknob hangtags about stormwater quality during catch basin cleaning.	Continue to provide educational material to residents or businesses owners who may maintain private stormwater infrastructure.
Revised					

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 14 (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 via the Town's website.	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. These brochures are also available via the Town website, which can be accessed by all Seabrook residents.	Continue to expand the number of locations at which the brochures are available, including outreach to local businesses that have stormwater infrastructure.
Revised					
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 on the Town 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 14 the DPW continued this method for educating residents about the importance of being diligent in preventing foreign materials from entering the stormwater system.	Continue to leave door hangers during catch basin cleaning.

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 14 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Continued Permit Compliance Activities
1.2	Public Service- Town Hall Public Access TV	DPW	Run video on Town Hall TV.	The Town completed this goal in Year 1. Local access TV was used in this Reporting Year to discuss which items are not acceptable for disposal at the Transfer Station and how to dispose of them properly.	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. The poster is displayed in electronic format on the Town's website.	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, including the main source of communication, the Town website.
Revised					

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 14 (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. The DPW and SCC installed approximately 400 permanent stainless steel catch basin markers (to replace previous stenciled identification) in Year 6. Beach litter cleanup was completed by Winnacunnet High School volunteers in this reporting year as well as Year 3 and Years 7-11. Volunteer outreach for beach cleanup was coordinated by the Beach Commissioner in Permit Year 12. In addition, local student volunteers assisted with the beach dune restoration project in partnership with the UNH Sea Grant during Year 14.	Continue to request volunteers at community meetings and local schools and provide training to volunteers. Continue to work as a partner with members of the SCC in the identification of catch basins. Continue to provide support to other Town Partners, such as High Schools, involved in litter clean up.
Revised					
1.5	Public Educational Courses - Provide Educational Materials to all stakeholders in Stormwater Management	DPW	Provide Materials	In Year 4, the Town began educating businesses and homeowners (stakeholders) by leaving educational materials at nearby properties during catch basin inspection and cleanout activities. Catch basin cleaning doorknob hanger distribution during catch basin cleaning continued in Years 6 through 14. Approximately 1,000 catch basins were cleaned in Year 14. Flyers regarding pet waste cleanup were included in dog license renewals during previous permit years.	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 14 (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.	Educational materials which encourage reporting of illicit connections or discharges to the proper authorities are available on the Town Website. The Department of Public Works reports that residents in areas where fertilizer use is restricted are calling in when evidence of improper fertilizer use is observed. In addition, the Town continues to support the Seacoast Stormwater Coalition, which provides education regarding illicit connections and discharges. Regular and emergency (after hours) DPW contact numbers are maintained on the Town website.	Continue to support the Seacoast Stormwater Coalition and encourage reporting of illicit discharges and connections. Continue to provide residents with regular and emergency contact information to report illicit 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 developed a Plan to locate illicit discharges and remove them from the system. The educational brochures and poster available online and in Town buildings encourage people who notice signs of illicit discharges to report them to the local authorities.	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 14 (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	Winnacunnet High School volunteers performed spring and fall harbor/beach clean ups. In addition, there is an ongoing sand dune restoration project at Seabrook Beach, partially funded by the Seabrook Conservation Commission in partnership with the University of New Hampshire Sea Grant. Local volunteers, including local students, assisted in this work. The "Friends of the Rail Trail" organization sponsored several volunteer rail trail cleanups during the reporting year.	Continue to secure additional volunteer groups. Continue to solicit additional volunteers through the Town's website, the local cable access channel, and other organizations.
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	In permit year 12, the Beach Commissioner and a group of volunteers completed cleanup of the Town's shoreline. In Year 11, members of the Winnacunnet High School Marine Biology Class were recruited as volunteers for beach cleanup days. In Year 10 the Town piloted a new program, reaching out to managers of businesses on Route 1 to remove litter along their property lines.	Continue to secure additional volunteer groups. Continue to solicit additional volunteers through the Town's website, the local cable access channel, and other organizations.
Revised					
2.2	Volunteer Monitoring - Show video on monitoring, produced by SCC during WS	SCC	Show video to volunteers	The SCC has trained volunteers when necessary, including showing the stormwater video to volunteer groups.	Continue to educate volunteers as needed.
Revised					

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 14 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Continued Permit Compliance Activities
2.2	Volunteer Monitoring - Promotional Items and Educational Materials	SCC	Distribute to volunteers on monitoring projects	The SCC provides materials to volunteer groups when relevant.	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 have conducted cleanup activities as discussed in 2.1 and 2.2.	Continue to solicit volunteers to adopt a stream or outfall.
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. 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 was completed 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.	Storm drain marking is complete at this time. The SCC and DPW will continue to work with local partners to maintain this progress.
Revised					

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 14 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Continued Permit Compliance Activities
2.4 Revised	Community Events - Wetland Plantings	SCC	Organize and conduct planting	The Town will continue to evaluate opportunities for wetland plantings. Note that the dune restoration project discussed in 2.1 involves volunteer dune planting work. In Year 7, the SCC was involved in the New Hampshire Volunteer River Assessment Program which monitored and reported on 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 and participated in water quality sampling; however, due to changes in sampling requirements, activity on this volunteer effort had decreased from Year 7. In Year 7, the 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. Faded or missing signage was replaced at five outfalls during this reporting period. Four previously unmapped outfalls were GPS located and posted during the previous reporting period.	Continue to map any newly constructed outfalls and post these locations.

2a. Additions

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 14 (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.	Winnacunnet High School volunteers performed spring and fall harbor/beach clean ups. In addition, there is an ongoing sand dune restoration project at Seabrook Beach, partially funded by the Seabrook Conservation Commission in partnership with the University of New Hampshire Sea Grant. Local volunteers, including local students, assisted in this work. The "Friends of the Rail Trail" organization sponsored several volunteer rail trail cleanups during the reporting year. Participation by the entire community was solicited for the household hazardous waste day.	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. The HHW collection program got residents involved in properly disposing of potentially polluting waste, and Local Access TV was used to educate residents on how to properly dispose of household hazardous waste.	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. Continue to sponsor/participate in HHW collection and provide fee based on demand disposal of bulky waste.

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 14 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Continued Permit Compliance Activities
2.5	Other – Involve residents in maintaining quality of stormwater.	DPW	Inform residents when catch basins are cleaned.	Educating residents by means of catch basin marking that storm drains are for rainwater only will increase a homeowner's involvement in maintaining catch basins. Residents continued to be educated in Year 14 through door hangers and information posted on the Town's website.	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 14 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Continued Permit Compliance Activities
3.1	Stormwater System Mapping – Map Outfalls	DPW Consultant	Percentage of all known outfalls.	All known outfalls had been mapped in previous reporting years. Four previously unmapped outfalls were GPS located, posted with signage, and inspected during Year 13. 29 other known outfalls were re-inspected in Year 14, 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 constructed.
Revised					
3.1	Stormwater System Mapping – Map pipes, manholes and catch basins	DPW Consultant	Percentage of total system	Since Year 5, with the expansion of the detention/retention basin mapping program, it is estimated that at least 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.
Revised					
3.1	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.
Revised					
3.2	Rules and Regulations- Strengthen Ordinance	Planning Board	Development of Ordinance.	This was completed prior to Year 14.	Monitor and enforce implementation of the Rules and Regulations. Assess ordinance goals and revise, if necessary.
Revised					

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 14 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Continued Permit Compliance Activities
3.2	Rules and Regulations- Develop Enforcement Procedures	Planning Board	Development of Enforcement Procedures.	This was completed prior to Year 14.	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 locations with illicit connections will include violation letter, follow up inspection and documentation requirements to ensure the illicit connection has been removed. During Permit Year 11, a snow removal contractor was observed improperly disposing of snow in a wetland area adjacent to private property. Town code enforcement officers were notified and responded. The matter was handed over to State officials, who investigated.	Continue to solicit and respond to notifications regarding illicit discharges. 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 14, all known outfalls were inspected and no evidence of contamination was found. 15 high-priority outfalls and 14 additional outfalls were re-inspected in Year 14. See Attachment A.	Continue to inspect high priority outfalls annually and all others on a rotating basis.
Revised					

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 14 (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	High priority outfalls are screened each year; all 15 were screened in Permit Year 14. 14 other lower priority outfalls were also screened as part of ongoing rotating annual inspections. No conclusive evidence of illicit discharges was found during the Permit Year 14 screenings. Corrective actions at 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 contracted with a consultant to continue to screen high priority outfalls on a regular basis. 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 locations with illicit connections will include violation letter, follow up inspection and documentation requirements to ensure the illicit connection has been removed. This process was followed in the case of the snow removal contractor as noted above in BMP 3.2.	The Town has contracted with a consultant to continue to screen high priority outfalls on a regular basis. Town enforcement officers will continue to follow up on notifications regarding possible illicit discharges. Continue to educate and inspect other local businesses that have stormwater infrastructure. Investigate any other commercial properties with potential illicit connections.
Revised					

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 14 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Continued Permit Compliance Activities
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 inspections that find illicit discharges and improper management of stormwater infrastructure, corrective actions will define follow up inspection and documentation requirements. No illicit connections were found in Year 14.	Annual outfall inspection occurred in September 2016. 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

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 14 (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, the Stormwater Rules and Regulations that included this mechanism were approved and implemented by the Town. Updated Subdivision Regulations and Site Plan Review Regulations issued in Year 12 further these requirements. These updated regulations were attached to the Year 12 Report. A description of the revised regulations can be found in the Self-Assessment.	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	Sediment and erosion control regulations were further updated in Year 12 by the updated Site Plan Review Regulations and Subdivision Regulations. See the description in the Self-Assessment. Prior to Year 5, Stormwater Rules and Regulations were approved and implemented by the Town that included this mechanism. In January of 2012, the Planning Board updated this regulation by prohibiting erosion control measures which have a propensity to introduce invasive species. The measure also clarified acceptable measures which do not introduce invasive species.	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					

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 14 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Continued Permit Compliance Activities
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 which included this mechanism were approved and implemented by the Town. In January 2012, the Planning Board updated this regulation by prohibiting erosion control measures which have a propensity to introduce invasive species. The measure also clarified acceptable measures which do not introduce invasive species. In Year 12, these rules were incorporated into the new Site Plan Review Regulations and Subdivision Regulations.	Continue to implement the existing rules and regulations through subdivision plan review, site plan review, and construction site inspections with the help of the Town's engineering consultants.
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 which included this mechanism were approved and implemented by the Town. The Site Plan Review and Subdivision Regulations implemented in Year 12 require strong erosion and sedimentation control measures to be part of the Developer's plan in order to receive approval. During this reporting period, 20 inspections of erosion/sediment control devices were constructed.	Continue to enforce the existing regulations during the planning and construction phases.
Revised					

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 14 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Continued Permit Compliance Activities
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 which included this mechanism were approved and implemented by the Town. The Site Plan Review Regulations implemented in Year 12 require all construction starts over 1 acre having more than five gallons of regulated substances to submit an Emergency Response and Spill Prevention, Control and Countermeasure plan to the Fire Chief. The Town required U.S. Foods to develop a spill control plan during Permit Year 11 in conjunction with a proposed project. The Plan was reviewed by the Town's stormwater consultant.	Continue to enforce the 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. In Year 12, these requirements were included in the planning phase by the new Subdivision Regulations and Site Plan Review Regulations.	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 14 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Continued Permit Compliance Activities
4.2	Site Plan Review Procedures – Stormwater Pollution Prevention Plans	DPW and Planning Board	Implement for each project.	Stormwater pollution prevention plans were reviewed by the Town's Consultant for all project starts during this reporting period. In a previous reporting year (Year 12), Site Plan Review Regulations and Subdivision Review Regulations were implemented, both of which require Stormwater Pollution Prevention Plans. Approval for construction will not be given without the required SWPPP. The Town continues to monitor projects during the construction phase as well. Prior to Year 5 DPW and Planning Board (Planning) developed mechanisms for review of Stormwater Pollution Prevention Plans (SWPPP) submitted by contractors. In Year 5, the DPW assisted Planning with review of SWPPPs. In Year 6 Planning expanded stormwater management to include the development and approval of a Stormwater Operations and Maintenance Manual (O&M) for all sites. In Year 8, Planning modified the requirement so that the O&M plan is included on the site plans that are recorded in official record files. Planning has completed the 5-year update of the Hazmat plan, incorporated stormwater controls into this plan.	Continue to review Stormwater Pollution Prevention Plans and Stormwater Operations and Maintenance Manuals for each new project.
Revised					

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 14 (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.	Pre-construction meetings, attended by the Town's consultant, were held for all project starts during this reporting period. Review of the SWPPP and verification of compliance with stormwater bylaws occurred. In addition, periodic technical and enforcement meetings for developments under construction continued, led by the Town's engineering consultant. Pre-construction meetings and subsequent inspections were held for commercial projects under development. The Town's consultant recommended that developers prioritize stormwater protection items, such as ground cover establishment, posting of outfall signs, and post construction catch basin cleaning. 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 meetings for the Beckman Woods subdivision. In Year 8, the DPW Manager attended no pre-construction meetings because no major construction projects began. In Year 9, weekly subdivision technical meetings were held at which coordination reviews and enforcement discussions took place.	Continue to attend pre-construction meetings for each development project active in the Town.
Revised					

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 14 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Continued Permit Compliance Activities
4.3	Site Inspection/ Enforcement – Conduct construction site inspections	DPW and Planning Board	Train staff.	In Year 14, the Town did not train its staff to perform inspections, but continued to contract a consultant to provide regular inspection of construction. The consultants estimate that they performed 20 inspections and technical meetings over the course of the reporting year.	Continue to inspect each new project and enforce all relevant regulations.
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. Due to the Town's approach of pre-construction meetings coupled with frequent inspections, no reports of non-compliance were received.	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 14 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Continued Permit Compliance Activities
5.1	Regulatory Mechanism – Develop and Implement Ordinance for controls	Planning Board	Implement Ordinance; quarterly/annual review of program.	Progress in Year 14 was focused on enforcement of previously implemented ordinances. In Year 12, new Site Plan Review Regulations and Subdivision Regulations were enacted. These regulations require planners to provide the most current stormwater management systems. See the description in the Self-Assessment (the regulations were attached to the Year 12 annual report). 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 include cluster zoning development to reduce areas of disturbance and extent of pavement. In Year 9, Master Plan Updates were accepted by Planning, which stated that stormwater infrastructure shall accommodate the 50 year storm and be designed to achieve 80% removal of TSS and 50% removal of nitrogen and phosphorus.	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.
Revised					

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 14 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Continued Permit Compliance Activities
5.1	Regulatory Mechanism – Open Spaces and Natural Vegetation	Planning Board	Implement Ordinance; quarterly/annual review of program.	In a previous reporting year (Year 12), new Site Plan Review Regulations and Subdivision Regulations were enacted. These regulations have strong requirements for open spaces and natural, native vegetation. See the description in the Self-Assessment. 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 and 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. In Year 9 updates to the Master Plan were accepted by Planning.	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					

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 14 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Continued Permit Compliance Activities
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. In Year 9 updates to the Master Plan were accepted by Planning.	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 fulfilled through state regulations.
Revised					

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 14 (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 14, the Town has been enforcing Site Plan Review Regulations and Subdivision Regulations, which were enacted in Year 12. These regulations have strong stormwater requirements and apply to any projects greater than 1 acre or that involve changes to land boundaries. See the description in the Self-Assessment. 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. In Year 9 updates to the Master Plan were accepted by Planning. Updates to Seabrook's land use regulations were enacted regarding stormwater discharge and treatment, allowable erosion control, and delineation of wetlands.	Continue to review the program on a regular basis.
Revised					

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 14 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Continued Permit Compliance Activities
5.2	Review BMP Designs - Pre-construction Review for conformance with standards/regulations	DPW/ Planning Board	Implement for each project.	In Year 12, new Site Plan Review Regulations and Subdivision Regulations were enacted. These regulations have strong stormwater requirements and apply to any projects greater than 1 acre or that involve changes to land boundaries. See the description in the Self-Assessment. The text of the regulations was attached to the Year 12 report.	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.	In Year 14, the Town continued to retain consultants to provide inspection services for new and ongoing construction. More than 20 inspections and on site meetings were held for ongoing construction projects.	Continue to inspect all new construction sites and enforce as needed.
Revised					

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 14 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Continued Permit Compliance Activities
5.4	O & M Procedures - Develop Procedure for Operation and Maintenance of Structural BMPs	Planning Board	Implement for each project.	These procedures have been developed and enacted in a previous reporting year. In Year 12, new Site Plan Review Regulations and Subdivision Regulations were enacted. These regulations require a plan for BMP maintenance in perpetuity, attached to the Title Deed. See the description in the Self-Assessment (the regulations were attached to the Year 12 annual report). Seabrook adopted Municipal Stormwater Drainage System Rules and Regulations in Year 3. The Rules and Regulations include O&M procedures. In Year 6, Planning expanded stormwater management requirements to include the development and approval of O&M Manual for all sites. In Year 8, Planning modified the requirement so that O&M is included on the site plan so that it can be referenced on the official record 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 14 (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 14, three DPW employees received "Certified Salt Applicator" status through NHDES affiliated training (see Attachment B). This training focuses on reduction of salt and deicing chemicals while maintaining safe conditions; this results in less chloride impact to stormwater runoff. In addition, Town representatives attended the Seacoast Stormwater Coalition Meetings. In Year 13, The DPW Manager received Green Snow Pro training certification through the University of New Hampshire Technology Transfer Center. He then trained the staffers who operate road sanders on how to perform environmentally friendly winter maintenance practices. Equipment calibration and setpoints for different conditions were laminated and posted in reach road sander. In Year 12, one DPW staff member received "Senior Road Scholar" certification from the University of New Hampshire Technology Transfer (T^2) program, by attending training sessions in topics such as winter maintenance fundamentals, chloride training, invasive plant control, and salter/sander calibration for reduced material usage. In addition, three DPW Parks Division staffers attended three different trainings together regarding fertilizer nitrogen management. These trainings were sponsored by NESTM. In Year 11, the DPW director attended RSA 489-C Salt Applicator Certification. In Year 10, three DPW Parks Department employees, including the Parks Department Foreman, attended two seminars sponsored by New England Sports Turf Management. The seminars focused on overall reduction of fertilizer use. In Year 9, two staff from the Department of Public Works completed the T^2 training presented by the University of New Hampshire, at which they received instructions on proper ways to construct roads including runoff control, permitting, and drainage.	Continue to implement and expand facility-specific training received by DPW staff. Attend training and hold on the job training sessions as needed.

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 14 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Continued Permit Compliance Activities
6.1	Employee Training	DPW/ DPW Consultant	Annually conduct training.	As noted above, three DPW staffers were trained in proper salt application techniques during the reporting period (see Attachment B). The DPW continues to be active with the Seacoast Stormwater Coalition; in Year 14 the DPW director was present at Coalition meetings, which are now every other month. In Year 9, the Cemetery and Parks Forman and other DPW staff attended courses at the Portsmouth Library and Phillips Exeter Academy on proper use of fertilizers and appropriate methods of grounds keeping. The DPW Director and Highway Foreman hold regular On the Job training sessions with staff.	Continue to attend workshops sponsored by the Coalition and implement these programs and approaches. Continue to hold regular On the Job training sessions with staff.
Revised					
6.2	Storm Water System Operation and Maintenance – System Inspection Program	DPW	Develop inspection plan for entire storm water system.	The Town has an IDDE plan in place, which requires that "priority" stormwater outfalls which discharge to 303(d) impaired waters or high value natural areas be inspected for signs of illicit discharges on an annual basis. In addition, non "priority" outfalls are inspected on a rotating basis, so that all the outfalls in the Town are inspected by a qualified consultant over the course of a few years. The consultant provides these inspections and issues a written report, which includes action items. See Attachment A for the report completed during this Reporting Period. Furthermore, the Town cleans its catch basins annually, and uses the cleaning as an opportunity to inspect the collection infrastructure. See further discussion below.	Continue inspecting catch basins and outfalls according to existing program.
Revised					

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 14 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Continued Permit Compliance Activities
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 cleans catch basins regularly, cleaning approximately 1,000 basins in Year 14 alone. Required repairs noted during the cleaning were performed, including repair of 10 catch basins due to plow or salt damage. The annual outfall inspections (see report, Attachment A) alerted the Town that some outfalls were in need of normal maintenance. 12 outfalls were cleared of obscuring plant growth, faded or missing signage was replaced at five outfalls, three damaged outfalls were repaired, two upstream catch basins were vac-cleaned, one outfall was jet cleaned, and two outfalls had blocking/obscuring debris removed.	Continue to assess and replace or rehabilitate substandard structures as needed. Continue to pursue grants from the New Hampshire Department of Environmental Services and other sources to fund future replacements. Continue to conduct annual outfall inspections.
Revised					
6.2	Storm Water System Operation and Maintenance – Structural BMP Maintenance and Cleaning	DPW	Fix or replace substandard infrastructure.	As noted above, 12 outfalls were cleared of obscuring plant growth, faded or missing signage was replaced at five outfalls, three damaged outfalls were repaired, two upstream catch basins were vac-cleaned, one outfall was jet cleaned, and two outfalls had blocking/obscuring debris removed during the reporting period.	Continue inspection activities of infrastructure, retention basins or other structural BMPs. Determine need for cleaning and repair when necessary.
Revised					

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 14 (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 a 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 14 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Continued Permit Compliance Activities
6.3	Municipal Industrial Operations – Wastewater Treatment Facility	Wastewater Treatment Facility Operator	Develop Plan	In Year 4, the WWTF began developing an SPCC Plan. The Plan was completed in Year 5.	Continue to assist the WWTF as they implement the SPCC Plan. Enforce the terms and conditions included in the SPCC Plan.
Revised					
6.3	Municipal Industrial Operations – Transfer Station Permitting	DPW Consultant	Implement Program	The Transfer Station was re-permitted under the 2015 NPDES MSGP for Stormwater Discharges Associated with Industrial Activity during the previous permit year. The Town filed an eNOI and is implementing the requirements of the permit, including filing an MSGP annual report during this permit year. 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.
Revised					

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 14 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Continued Permit Compliance Activities
6.4 Revised	Municipal Roads – Street Sweeping	DPW	Implement Program	As in previous years, a contractor was hired in Year 14 to perform mechanical street sweeping on Railroad Avenue, Centennial Road, Walton Road, Washington Street, and various municipal parking lots. As previously noted, three DPW staff members were trained as Certified Salt Applicators in this reporting period, and the DPW director received "Green Snow Pro" training during a previous reporting period. This training was used to increase the efficiency of road sanding/salting, posting laminated cards showing setpoints for various conditions for each piece of sanding/salting equipment. This reduces the quantity of sand that needs to be swept in the spring and complements accomplishments in previous reporting years. In Year 9, the DPW invested in pavement temperature sensors to aid in determining if and how much salt should be applied in various areas of Town. The sensors have been found to be effective in allowing operators to perform "sensible" salting. Operators can vary salt dose based on need rather than guesswork, enhancing safety and reducing the quantity of salt and sand which runs off roads to waterways or must later be swept.	Continue to evaluate the effectiveness of this activity and revise program as appropriate. Continue salt/sand management using pavement temperature sensors.

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 14 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Continued Permit Compliance Activities
6.5 Revised	Parks and Open Space-Fertilizer and Pesticide	DPW	Implement Program	In Year 14, the DPW continued to evaluate the effectiveness of fertilizer and pesticide application and management goals in conjunction with the SCC. In Years 10 and 12, three DPW Parks Department employees attended seminars sponsored by New England Sports Turf Management. The seminars focused on overall reduction of fertilizer use, which is important because excessive fertilizer can pollute stormwater runoff. The seminars reinforced the Town's policy of very limited fertilizer use. The Town has also purchased soil pH meters in order to identify when pH adjustment would be a more effective method than fertilizer application.	Continue to evaluate the effectiveness of fertilizer and pesticide application and management goals.
6.5 Revised	Parks and Open Space-Pet Waste Management	DPW /SCC	Implement Program	The SCC completed the Seabrook Pet Waste Control Project on June 26, 2009. The SCC created fliers and posters addressing the importance of properly disposing of pet waste. In Years 9 and 12, 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. Continue to mail of pet waste fliers in pet license renewal notices.

6a. Additions

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 14 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Continued Permit Compliance Activities
6.3	Municipal Industrial Operations – Housekeeping and Pollution Prevention at the DPW Building	DPW	Implement Program	Good housekeeping measures and pollution prevention inspections were already completed at the Town's Transfer Station (see the Transfer Station MSGP reports). 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.
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. During Year 13, improvements were made to the level sensing and notification system for the tank. A replacement in tank level sensor was installed, which provides local audio/visual alarms as well as activates an alarm dialer, which notifies (on a dedicated line) the permanently staffed police station when the tank reaches a high level.	Continue to monitor and operate the leachate holding tank.
6.3	Municipal Industrial Operations – Transfer Station Permitting	DPW	Complete required analytical sampling at solid waste transfer station.	For information on the Transfer Station and its compliance with its NPDES permit please see the 2016 Transfer Station MSGP Annual Report and the 2015 eNOI.	Please refer to 2016 Transfer Station NPDES Permit Annual Report and 2015 eNOI.

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 14 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Continued Permit Compliance Activities
6.3	Municipal Industrial Operations – Transfer Station Permitting	DPW	Satisfy conditions of the MSGP.	During the previous reporting year, the Town filed an eNOI to secure coverage for the Transfer Station under the 2015 NPDES MSGP for Stormwater Discharges Associated with Industrial Activity (Sector N, Scrap Recycling Facilities). The Town is implementing the requirements of the MSGP. An annual report was filed during this permit year. Coverage for the previous permit was secured in Permit Year 6.	For more information please see the 2016 Transfer Station NDPES Permit Annual Report and the 2015 eNOI.

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

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 14 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Continued Permit Compliance Activities
	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 14, 15 high-priority outfalls and 14 other outfalls were inspected for condition and signs of illicit discharge (see attachment A). Visual observations at all locations were recorded on forms. No evidence of illegal discharge was discovered. Maintenance was carried out at 17 different outfalls as a result of the inspections.

Catch basin identification, cleaning, and inspection, outfall inspection, and outfall cleaning and maintenance continued as in previous reporting years. Pre-construction meeting involvement and construction site inspection continued. Implementation of Best Management Practices by the DPW and Planning Board in this and 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, 2016 through March 31, 2017)

Programmatic

	(Preferred Units)	Response
Stormwater management position created/staffed	(y/n)	No
Annual program budget/expenditures **	($)	$83,000
Total program expenditures since beginning of permit coverage	($)	$958,349
Funding mechanism(s) (General Fund, Enterprise, Utility, etc.)		General Fund

Education, Involvement, and Training

	(Preferred Units)	Response
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.)	1.5
Shoreline cleaned since beginning of permit coverage	(mi.)	21 (mi)
Household Hazardous Waste Collection Days		
▪ days sponsored **	(#)	1
▪ community participation **	(# or %)	Open to whole community
▪ material collected **	(tons or gal)	Not Stated
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	(#)	98
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 %)	29 (#)
Outfalls inspected/screened (Since beginning of permit coverage)	(# or %)	98 (#)
Illicit discharges identified **	(#)	0
Illicit discharges identified (Since beginning of permit coverage)	(#)	1
Illicit connections removed **	(#); and (est. gpd)	0
Illicit connections removed (Since beginning of permit coverage)	(#); and (est. gpd)	1 (building is empty and slated for demolition)
% of population on sewer	(%)	100 (%)
% of population on septic systems	(%)	0 (%)

Construction

	(Preferred Units)	Response
Number of construction starts (>1-acre) **	(#)	1 (#)
Estimated percentage of construction starts adequately regulated for erosion and sediment control **	(%)	100 (%)
Site inspections completed **	(# or %)	20
Tickets/Stop work orders issued **	(# or %)	0
Fines collected **	(# and $)	0
Complaints/concerns received from public **	(#)	0

Post-Development Stormwater Management

	(Preferred Units)	Response
Estimated percentage of development/redevelopment projects adequately regulated for post-construction stormwater control	(%)	100 (%)
Site inspections (for proper BMP installation & operation) completed **	(# or %)	100 (%)
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/yr
Average frequency of catch basin cleaning (commercial/arterial or other critical streets) **	(times/yr)	1/yr
Qty of structures cleaned **	(#)	1,000 (#)
Qty. of storm drain cleaned **	(%, LF or mi.)	550 (LF)
Qty. of screenings/debris removed from storm sewer infrastructure **	(lbs. or tons)	9 CY (est)
Disposal or use of screenings (landfill, POTW, compost, beneficial use, etc.) **	(location)	Landfill
Basin Cleaning Costs		
• Annual budget/expenditure (labor & equipment)**	($)	$25,605
• Hourly or per basin contract rate **	($/hr or $ per basin)	Approx. $25/basin
• Disposal cost**	($)	Included in contract
Cleaning Equipment		
• 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 vactor **	(%)	100 (%)
Average frequency of street sweeping (non-commercial/non-arterial streets) **	(times/yr)	0/yr

Operations and Maintenance (Continued)

	(Preferred Units)	Response
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)	9 CY (est total material landfilled between CB cleaning and street sweeping)
Disposal of sweepings (landfill, POTW, compost, beneficial use, etc.) **	(location)	Landfill
Annual Sweeping Costs		$2,600
• Annual budget/expenditure (labor & equipment)**	($)	$2,600
• Hourly or lane mile contract rate **	($/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% (plus municipal parking lots)
• % 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

Operations and Maintenance (Continued)

	(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	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/ln mi. or %)	0(%)
Estimated net reduction or increase in typical year sand application rate **	(±lbs/ln 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

	(Preferred Units)	Response
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
• Treatment units induce infiltration within 500-feet of a wellhead protection area	# or y/n	Y