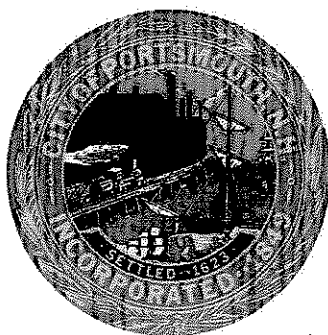


**Annual Storm Water Report
For Calendar Year 2011
for
Portsmouth, New Hampshire
EPA NPDES Permit Number: NHR041027**



Submitted: May 1, 2012

Part I. General Information

Contact Person: Jared Sheehan

Title: Engineering Technician

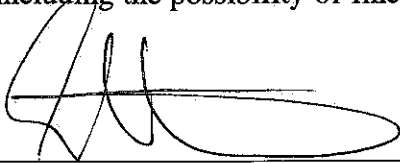
Telephone #: 603-610-7497

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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:



Printed Name: Steve Parkinson, P.E.

Title: Public Works Director

Date:

4/27/12

Part II. Self Assessment

The City of Portsmouth has completed the required self-assessment and has determined that our municipality is in compliance with all permit conditions, with the possible exception of the following provisions:

- Part I. C.
1. The permittee must determine whether storm water discharges from any part of the MS4 contribute, either directly or indirectly, to a 303(d) listed water body.
 2. The storm water management program must include a section describing how the program will control the discharge of the pollutants of concern and ensure that the discharges will not cause an instream exceedance of the water quality standards. This discussion must specifically identify control measures and BMPs that will collectively control the discharge of the pollutant(s) of concern. Pollutant(s) of concern refer to the pollutant identified as causing the impairment.
- Part I. D.
1. Determine whether the approved TMDL is for a pollutant likely to be found in storm water discharges from the MS4.

2. Determine whether the TMDL includes a pollutant waste load allocation (WLA), BMP recommendations or other performance requirements for storm water discharges. This storm water WLA may be expressed in the TMDL as a gross allotment for the impaired water body.

The City remains committed to resolving whether these conditions have been met and believes that critical data is needed which would, among other things, help establish whether certain water bodies are in fact impaired and if so for which pollutants.

2011 ANNUAL REPORT BEST MANAGEMENT PRACTICES OBJECTIVES & STATUS REPORT

1. PUBLIC EDUCATION AND OUTREACH

The Permittee must implement a public education program to distribute educational material to the community. The public education program must provide information concerning the impact of storm water discharges on water bodies. It must address steps and/or activities that the public can take to reduce the pollutants in storm water runoff.

BMP / ID Responsible Party	Measurable Goal	Progress on Goal(s)	Planned Activity for calendar year 2012*
<p>I.A. Develop and distribute/post a minimum of 2,000 impressions via print, local TV, local radio or other appropriate media <i>during the life of the permit.</i></p> <p>DPW</p>	<p>Storm Water information on the web, # of hits.</p>	<p>Over 5,000 visits were registered on the storm water website during this reporting period.</p>	<p>Continue to update storm water web page(s) to educate public on City initiatives, changing regulations and information residents need to know and will find useful.</p>
<p>Produce education material for distribution. # of pamphlets /flyers/postings of information regarding storm water.</p>	<p>Distributed <i>The Solution to Storm Water Pollution</i> pamphlets HHW Collection event held October 2011. A total of 134 cars attended the event and received a pamphlet.</p>	<p>Continue to distribute storm water pollution prevention pamphlets at appropriate events.</p>	
	<p>12 new signs were posted throughout the City advising dog owners to pick up their pet's waste.</p>	<p>In 2011 no signs were damaged and therefore did not require replacing.</p>	<p>Continue to have signs posted and replace any damaged signs due to weather / exposure.</p>
	<p>Presentation was conducted on April 14, 2011 for the NH Society of Professional Engineers entitled "The Anatomy of a Successful Project" where City personnel participate to discuss the challenges of the State Street project which include a section on storm water with Dr. Robert Rossen Assistant Research Professor with the UNH.</p>	<p>Presentation was conducted on April 14, 2011 for the NH Society of Professional Engineers entitled "The Anatomy of a Successful Project" where City personnel participate to discuss the challenges of the State Street project which include a section on storm water with Dr. Robert Rossen Assistant Research Professor with the UNH.</p>	<p>Continue to include storm water information in e-newsletter and web.</p>

* Permit issued for 5 years. 2007 was the 5th year of the permit.
2008 permit requirements not yet stipulated by the EPA.
The City continues to operate under the provisions of the previous permit.

BMP / ID Responsible Party	Measurable Goal	Progress on Goal(s)	Planned Activity for calendar year 2012*
<p>1.B. Educate local residents participating in local government; groups; organizations.</p> <p>DPW</p>	<p># of public events storm water issues are presented and # of attendees.</p>	<p>The City had a booth at the May 14, 2010 Sustainability Fair, which had more than 700 people attend. City personnel working the booth provided educational information on sustainable issues to include storm water pollution prevention. The City also included its rain barrel initiative at the Fair. Rain barrels are offered to Portsmouth water customers at a discounted price.</p> <p>Dec. 14, 2011, the City held an informational meeting for local residents and business called "Storm water 101". Storm water, storm water Utility Feasibility Study and funding was part of the agenda.</p>	<p>Continue to make presentations as opportunities present.</p> <p>Continue involve and inform residents and local groups about the City's long term storm water plans.</p>
<p>1.C. Educate the general public and public school children about the storm water / sewer system, so that they understand the City water management systems and pollution issues</p> <p>DPW</p>	<p># of presentation and # of attendees.</p>	<p>May 2011, Children from Little Harbor School in conjunction with staff from DPW used storm water stencils to increase awareness of where catch basins in the Clough Drive, Brackett Road, and Haven Road area.</p>	<p>Continue to support public school education and make presentations as funding allows and opportunities present.</p>

BMP / ID Responsible Party	Measurable Goal	Progress on Goal(s)	Planned Activity for calendar year 2012*
<p>1.D. Collaborate with public and private entities to maximize efforts of reducing contaminants from Portsmouth waterways.</p> <p>City Hall</p>	<p># of initiatives the City leads, supports, is involved with, or has an employee acting as a representative on a committee ensuring the inclusion /addressing of storm water issues.</p>	<p>1) Coordinated effort between the City and the Blue Ocean Society for volunteer litter and debris cleanup projects:</p> <p>New Castle 4/15/11 5/13/11 8/12/11 8/21/11 10/21/11</p> <p>Odiorne Pt 4/15/11</p> <p>Pierce Island 4/16/11 7/15/11 8/26/11</p> <p>South Mill Pond 2/23/11 3/29/11 4/29/11 5/31/11 6/21/11 7/21/11 8/16/11 9/13/11 10/31/11 11/21/11</p>	<p>1) Continue assisting in clean-up activities @ key locations throughout the City.</p>

BMP / ID Responsible Party	Measurable Goal	Progress on Goal(s)	Planned Activity for calendar year 2012*
<p>1.D. Collaborate with public and private entities to maximize efforts of reducing contaminants from Portsmouth waterways.</p> <p>City Hall</p>	<p># of initiatives the City leads, supports, is involved with, or has an employee acting as a representative on a committee ensuring the inclusion /addressing of storm water issues.</p>	<p>2) In 2011 DPW personnel participated as a member on the Board of Directors of the Southeast Watershed Alliance. 12 formal meetings of the Board of directors were held during this reporting period to establish operating procedures and organizational structure.</p> <p>May 2011 a Board of Directors was elected, which meets monthly. Committees and working groups meet on their own schedules. The Alliance created and maintains a web dedicated exclusively to its purposes. Activities are implemented based on low cost/high yield to improve water quality as well as ensure decision making is solidly science based and will produce quantifiable results.</p> <p>Priority Tasks:</p> <ul style="list-style-type: none"> - develop consistent stormwater regulations and BMPs - Identify "hot spots", i.e. sources and land practices that degrade water quality along with locating funding sources to enable prerequisite research and corrective actions to be undertaken - Landowner outreach and municipal involvement in addressing the water quality benefits of routine septic system maintenance, proper use of fertilizers and low impact landscaping. 	<p>2) Ongoing participation in organization. Activities include:</p> <ul style="list-style-type: none"> - further development and implement the initial priority activities - actively pursue funding resources, including public and private grants, in-kind services and municipal contributions - identify and develop additional priority activities, including long term planning and implementation actions - host a science symposium to better define the state of scientific understanding of problems and focus additional research for the use of limited financial resources.

BMP / ID Responsible Party	Measurable Goal	Progress on Goal(s)	Planned Activity for calendar year 2012*
<p>1.D. Collaborate with public and private entities to maximize efforts of reducing contaminants from Portsmouth waterways.</p> <p>City Hall</p>	<p># of initiatives the City leads, supports, is involved with, or has an employee acting as a representative on a committee ensuring the inclusion /addressing of storm water issues.</p>	<p>3) May 2011, Children from Little Harbor School in conjunction with staff from DPW used storm water stencils to increase awareness of where catch basins in the Clough Drive, Brackett Road, and Haven Road area.</p> <p>4) In conjunction w/ the Hodgson Brook Advisory Committee, UNH Cooperative Extension and Coakley Rd neighborhood, Oct thru Nov 2011, installed rain garden.</p> <p>5) Collaboration between Portsmouth High School ECO club and DPW with grant funding provided by Piscataqua Region Estuaries in Sept. 2011 installed a rain garden at the High School to decrease the sediment load and increase water quality to the surrounding watershed.</p>	<p>3) Continue to provide supplies (stencils, map of stormdrain system, paint, etc.) to assist in stenciling project and support the Public Schools with the storm water drain stenciling project.</p> <p>4) Return in the spring of 2012 to determine how the rain garden is functioning and/or has become established. Perform routine maintenance as necessary.</p> <p>5) Return in the spring of 2012 to determine how the rain garden is functioning and/or has become established. Perform routine maintenance as necessary.</p>

2. PUBLIC INVOLVEMENT AND PARTICIPATION

The Permittee must provide opportunity for the public to participate in the development, implementation and reviews of storm water management program(s).

BMP / ID Responsible Party	Measurable Goal	Progress on Goal(s)	Planned Activity for calendar year 2012*
<p>2.A. The City will involve stakeholder groups, including local governments, businesses, and citizens in making decisions about storm water management priorities and programs throughout the City.</p>	<p>Annual presentation to City Council on storm water issues. Presentations will be made during official meetings, which are open to public attendance and televised on the gov. TV.</p>	<p>The City signed on a consultant to assist with a Storm water Utility Feasibility Study. The results of the study were present in Dec. 2012 during "Storm water 101" presentation. A recording of this presentation is available on the City website and was also broadcast on local TV channel 22. The City continues to evaluate options to meet storm water regulations and to improve the quality of the City's storm water while reducing pollution in the watershed.</p>	<p>Develop strategies in order to continue researching the need to move forward with the storm water program, and to understand the future options for reducing storm water pollution with in the City and the vehicle to finance it.</p>
<p>City Hall/DPW</p>	<p>Collaborate with public and private entities to increase awareness, as well as improve on design and implementation of storm water treatment issues related to building and site development design and construction throughout the City.</p>	<p>1) The Technical Advisory Committee (TAC) is responsible to review plans and proposals of public and private lands/construction projects and make recommendations to the Planning Board the Board; recommendations include appropriate storm water features. In 2011 TAC met 14 times. A total of 41 sites were reviewed; of that a total of 37 sites included in depth discussion addressing storm water issues and use of BMPs at the sites.</p> <p>2) In 2009, the City applied for and was awarded ARRA / DWSRF grant money for the purchase and sale of rain barrels. In 2010, 1,000 rain barrels were purchased; 700 rain barrels were sold in 2010 and 250 barrels in 2011.</p>	<p>1) TAC to meet once a month and continue to incorporate storm water pollution prevention recommendations to the Board when reviewing plans.</p> <p>2) Market, sell and distribute the remaining 50 rain barrels to Portsmouth water customers.</p>

BMP / ID Responsible Party	Measurable Goal	Progress on Goal(s)	Planned Activity for calendar year 2012*
<p>2.A. The City will involve stakeholder groups, including local governments, businesses, and citizens in making decisions about storm water management priorities and programs throughout the City.</p> <p>City Hall/DPW</p>	<p>Collaborate with public and private entities to increase awareness, as well as improve on design and implementation of storm water treatment issues related to building and site development design and construction throughout the City.</p>	<p>3)) In conjunction w/ the Hodgson Brook Advisory Committee, UNH Cooperative Extension and Coakley Rd neighborhood, Oct thru Nov 2011, installed rain garden .</p> <p>4) August 2011, DPW working in conjunction with the Pease Development Authority, Lonza and NHDES to improve the water quality of Hodgson brook by removing accumulated construction sediment from the existing drain structures and swales on Goose Bay Drive and Corporate Drive. Approximately 300 cubic yards of material was removed during the project.</p>	<p>3) Return in the Spring of 2012 to determine how the rain garden is functioning and/or has become established. Perform routine maintenance as necessary.</p> <p>4) To continue improvements to Hodgson Brook and the watershed by conducting routine maintenance of the storm water drainage system that discharges into the brook.</p>

BMP / ID Responsible Party	Measurable Goal	Progress on Goal(s)	Planned Activity for calendar year 2012*
<p>2.A. The City will involve stakeholder groups, including local governments, businesses, and citizens in making decisions about storm water management priorities and programs throughout the City.</p> <p>City Hall/DPW</p>	<p>The Technical Advisory Committee (TAC) review and approval of construction projects from private contractors.</p>	<p>In 2011, 14 TAC meetings were held. A total of 41 sites were reviewed; of that a total of 37 sites reviewed included in-depth discussion addressing storm water issues.</p>	<p>Continue Site Review process under the new Zoning Ord., requirements.</p>
		<p>Wastewater Master Plan completed; developing alternatives for secondary treatment is a component of the Plan. Piloting of secondary treatment technologies included in the upgrade of Pierce Island Wastewater Treatment Plant.</p>	<p>Use data gathered at conclusion of pilot study to evaluate which treatment option is best to meet new permit requirements.</p>

BMP / ID Responsible Party	Measurable Goal	Progress on Goal(s)	Planned Activity for calendar year 2012*
<p>2.B. Maximize resources and effectiveness, and coordinate with neighboring communities occupying the same watershed for appropriate and feasible education and out reach.</p> <p>City Hall / DPW</p>	<p># of meetings and/or coordinated efforts with the Storm Water Coalition and/or other organizations.</p>	<p>The City has designated a representative to sit on the Seacoast Storm water Coalition. The Coalition meets, at a minimum, quarterly throughout the year.</p> <p>A collaborative grant project (BMP Green Spaces) was developed to address fertilizer and nitrogen reduction and develop organic BMPs on public green spaces. The project includes training for municipal staff maintaining fields and green spaces and protecting water quality, creating a guidance document for turf maintenance and water quality. A workshop was held by the Seacoast Storm Water Coalition on September 19, 2011 to train staff. Municipal staff will be involved in the development of the best management practices, creating buy-in and important feedback in getting the BMPs applied on the ground.</p>	<p>On-going meetings and attendance.</p> <p>BMP Green Spaces was awarded grant money from the NH Coastal Program. Initiate and implement project as outlined in grant application. The project includes training for municipal staff maintaining fields and green spaces and protecting water quality, creating a guidance document for turf maintenance and water quality. Municipal staff will be involved in the development of the best management practices, creating buy-in and important feedback in getting the BMPs applied on the ground.</p>

3. ILLICIT DISCHARGE DETECTION AND ELIMINATION

The Permittee must develop, implement and enforce a program to detect and eliminate illicit discharges.

BMP / ID Responsible Party	Measurable Goal	Progress on Goal(s)	Planned Activity for calendar year 2012*
<p>3. B. Identify any illicit discharges and eliminate. DPW</p>	<p>Number of illicit discharges detected and/or eliminated.</p>	<p>Investigated or resolved the following ID: 1) Grease related discharge found in catch basin on Penhallow St. and was after investigation was contributed to local restaurant which cleaned the catch basin and was informed of proper grease trap cleaning and disposal. 2) Investigated leaking exterior grease trap off of Woodbury Ave. and informed restaurant owner to seal and make repairs. 3) Investigated historic overflows located near Roberts Ave. and worked with owners of Beechstone Apartments to install check valve in sewer line and bolt down manhole covers on Roberts Ave. to prevent sewer backups and overflows.</p>	<p>Commence Lincoln Area Sewer Separation (project 3A); reduce load of storm water going to WWTP; eliminate IDDE/sump pumps from residential housing within construction area; remove 5,000 linear feet of combined sewer. Project scheduled for completion 2012. Continue to follow up investigations and enforcement of complaint phone calls and routine patrols.</p>

BMP / ID Responsible Party	Measurable Goal	Progress on Goal(s)	Planned Activity for calendar year 2012*
3.B. Identify any illicit discharges and eliminate. DPW	Number of illicit discharges detected and/or eliminated.	4) Investigation of grease related discharges on Market St. Broad St., Hanover St., Penhallow St., Bow Street, State St., and Ceres St. Cleaned and inspected the sewer lines and catch basin if required.	Inspect and clean in the downtown area before warm weather hits, tourist season begins and the streets become too crowded.
	Linear feet of sewer / storm drain system video taped / inspected.	In 2011 inspected 52,500 and cleaned 21,600 linear feet of sewer mains and inspected 5,500 and cleaned 500 linear feet of drain lines.	Continue to inspect sanitary and storm sewers. In the course of inspections and identifying ID, work orders and/or projects will be under taken to implement corrective action/remove ID.
3.C. Establish legal authority for enforcement actions. City Hall	The City to adopt means that provides enforcement mechanisms and penalties to halt illegal storm water discharges and/or enhance storm water / surface water quality.	No new Zoning Ord., was during this reporting period. The City continues to address the quality of surface waters and ground water by controlling the rate and volume of storm water runoff under the zoning changes that were made in January of 2010. These requirements invite landowners/developers and contractors to work collectively for good alternatives and solutions, proposing BMPs for storm water control incorporated in their request for developing properties. Further there is an enforcement provision to suspend a building permit providing compliance.	Complete QA of mapping of the drain system in the State St. and Columbia St. area

4. CONSTRUCTION SITE STORM WATER RUNOFF CONTROL

The Permittee must develop, implement and enforce a program to reduce pollutants in any storm water runoff to the MS4 from construction activities that result in a land disturbance greater than or equal to 1 acre.

BMP / ID	Measurable Goal	Progress on Goal(s)	Planned Activity for calendar year 2012*
<p>4.A. Establish a set of minimum erosion and sediment control (ESC) requirements for construction sites.</p> <p>City Hall / DPW</p>	<p>Require ESC plans for any land disturbance greater than 5,000 square feet.</p> <p>Site Review procedures to include storm water pollution prevention activities.</p>	<p>The City developed and completed an undeveloped land assessment, which looked at all undeveloped City owned properties. Each property was assessed for its potential for storm water treatment. A total of 91 properties were assessed and storm water treatment opportunities identified.</p> <p>The report is on the City's website http://www.cityofportsmouth.com/planning/PULA_complete_final.pdf</p> <p>The City requires developers of property to enter into construction management and mitigation plan to reduce and coordinate construction impacts. Those plans include provisions relative to SWPPPs, catch basin cleaning, street sweeping, good housekeeping regarding loose debris.</p>	<p>Many of the undeveloped parcels are part of a drainage easement for storm water structures built prior to the comprehensive storm water regulations. These sites present an opportunity to upgrade old drainage structures and improve the water quality of wetlands and surface waters.</p> <p>Wherever non-point source discharges were identified in this inventory, there is the potential for installation of storm water BMP (Best Management Practice). These management suggestions are for capital improvements which must be prioritized based on, budget constraints, and will often include developing partnerships with abutting property owners to implement these management suggestions.</p>
<p>4.A. Establish a set of minimum erosion and sediment control (ESC) requirements for construction sites.</p> <p>City Hall / DPW</p>	<p>Enforce new ordinance / site review.</p>	<p>Pursuant to TAC meetings, the City may require an independent consulting engineer to inspect construction sites during a project. "Deemed necessary" is based upon the complexity, size of project and other variables discussed during the TAC meeting.</p> <p>In 2011, 13 TAC meetings were held. A total of 41 sites were reviewed; of that, a total of 37 sites reviewed included in-depth discussion addressing storm water issues.</p>	<p>TAC will continue to stipulate the need for storm water treatment and that projects maintain a storm water management plan if storm water treatment is applicable to the project.</p>

5. POST-CONSTRUCTION RUNOFF CONTROL

The Permittee must develop, implement and enforce a program to address storm water runoff from new development and redevelopment projects that disturb greater than 1 acre and discharge into the municipal system.

BMP / ID	Measurable Goal	Progress on Goal(s)	Planned Activity for calendar year 2012*
<p>5. A. Improve the quality of storm water runoff by disconnecting impervious surfaces and installing and maintaining structural storm water controls.</p> <p>DPW</p>	<p># of structural controls installed.</p>	<p>1) Installed 3 bio-retention tree wells on State Street during completion of State St CSO project.</p> <p>2) Coakley neighborhood project included the installation of a rain garden.</p> <p>3) 155 Parrot Ave (Middle School): Completed design and received approval. Project includes 6 bio-retention tree box wells as well as separating entire 10 acre parcel from combined sewer system. Trees & Greenery Committee consulted for planting materials to address salt tolerance among other things.</p> <p>4) Installation of Rain Garden at Portsmouth High School.</p> <p>5) Coordinated with Pease Development Authority and private business (Lonza) to perform maintenance and cleaning of drainage structures and drainage swales that discharge into the Hodgson Brook.</p>	<p>1) Inspect and maintain trees in tree boxes.</p> <p>2) Return in the Spring of 2012 to determine how the rain garden is functioning and/or has become established. Perform routine maintenance as necessary</p> <p>3) Install components of design plan and review recommendations from Trees & Greenery. See #6A for in-house training activities planned.</p> <p>4) Return in the spring of 2012 to determine how the rain garden is functioning and/or has become established. Perform routine maintenance as necessary.</p> <p>5) To continue improvements to Hodgson Brook and the watershed by conducting routine maintenance of the storm water drainage system that discharges into the brook.</p>
			<p>Continue to incorporate structural BMPs and LID into construction projects throughout the City as appropriate.</p>

BMP / ID Responsible Party	Measurable Goal	Progress on Goal(s)	Planned Activity for calendar year 2012*
5.B. Improve the quality of storm water runoff through inspection/follow-up/enforcement of private storm water management plans. DPW	# of inspections / contact with / enforcement action taken with entities of private storm water management plans	Build in-house program to manage the oversight of storm water management plans in existence / approved by Planning Dept.; track storm water management activities and follow up action as appropriate. The City has a program layer in VUEWorks to manage City owned storm water devices.	Develop a layer in VUEWorks to manage the oversight of privately owned storm water management devices.

6. GOOD HOUSEKEEPING

The Permittee must develop and implement a program with a goal of preventing and/or reducing pollutant runoff from municipal operations. The program must include an employee training component, including, at a minimum, maintenance activities for parks and open space, fleet and building maintenance, new construction roadway drainage and storm water system maintenance. During the implementation of the storm water management program, the Permittee must address recharge and infiltration for the minimum control measures as well as reasons for not implementing.

BMP / ID Responsible Party	Measurable Goal	Progress on Goal(s)	Planned Activity for calendar year 2012*
<p>6. A. Reduce the amount of nutrients and sediments entering receiving waters through education of municipal employees about spill prevention and control, vehicle washing, lawn activities, etc.</p> <p>DPW</p>	<p># of in-house training sessions held and number of attendees.</p>	<p>DPW employees attended Salt Reduction workshop in June 2011.</p> <p>WRT the State St CSO Separation Project (see #2A), which included the installation of sand filtration, regular inspection and maintenance to maintain effective operation of underground sand filter. The City will train personnel on maintenance, establish a maintenance schedule in order to ensure unit is functioning within minimum design standards.</p> <p>Municipal Staff attended Turf Workshop on September 19, 2011 for reducing the amount of nitrogen and fertilizer used on public green spaces.</p>	<p>Continue to host and provide training for employees as appropriate and opportunities present.</p> <p>In-house training to include maintenance program of ADS Water Quality Unit and Sand filter at St. Street and other units that are under the City's control.</p>
	<p># of maintenance / inspection / cleanings of City's structural storm water units.</p>	<p>Inspected storm water treatment units biannual.</p>	<p>Continue maintenance program of structures in accord with manufacturers' specifications.</p>

BMP / ID Responsible Party	Measurable Goal	Progress on Goal(s)	Planned Activity for calendar year 2012*
<p>6. B. Reduce the amount of nutrients and sediments entering receiving waters through mechanical and operational means.</p>	<p>Storm/Sanitary Sewer Separation Quantify separation of sewers.</p>	<p>1) CSO projects in the Lincoln St., Union St., Wybird St., Broad St., Spring St., and Parrot Ave, have eliminated and separated over 5,000 linear feet of combined sewer.</p>	<p>1) Project scheduled for completion 2012, with additional separation of combined sewer.</p>

BMP / ID Responsible Party	Measurable Goal	Progress on Goal(s)	Planned Activity for calendar year 2012*
6. B. Reduce the amount of nutrients and sediments entering receiving waters through mechanical and operational means.	# of storm drains fitted with storm drain sacks	Installed 10 FABCO storm drain sacks and one catch basin filter in the downtown business district to collect litter, cigarette butts, etc. as a pilot project.	Monitor the effectiveness of the storm drain sacks and continue to practice routine maintenance.
City to identify critical catch basins and frequency for cleaning.	City to identify critical catch basins and frequency for cleaning.	In 2011, based upon inspection and cleaning tracking records through VUEWorks the remaining 150 catch basin structures scheduled to be cleaned was completed.	Continue to use data base to optimize storm water program. Based on field observations and conditions of the storm water system a list of identified critical basins for regular cleaning to be developed. Presently the following areas have been identified: Downtown Miller Ave – b/w Lincoln Ave & South St Aldrich Rd at Boss Ave Bartlett St at Islington St Maplewood Ave at Fairview Dr.
		Continue to documents the cleaning and inspections of drainage structures throughout the City with the use of VUEWorks.	Provide training as needed on use and data entry of forms; ensure users are utilizing tools provided to them in the field.

BMP / ID Responsible Party	Measurable Goal	Progress on Goal(s)	Planned Activity for calendar year 2012*
6. B. Reduce the amount of nutrients and sediments entering receiving waters through mechanical and operational means.	Miles of City streets swept.	Street sweeping 6 days/week in the downtown area commenced May 2011. (Essentially the area encompassing from Court St., to Middle St., to Marcy St., and Deer St.); and the 7 parking lots.	Continue street sweeping program.
Implement BMPs at snow disposal collection site.		All of Portsmouth's streets were swept twice, commencing May 2011 until completion Oct 2011. Approximately 200 tons of street sweepings were disposed of. Winter 2004/2005 a site was designated for temporary storage of snow pursuant to the City snow removal operations. The area is enclosed with silt fence and hay bales; snow is stored at least 25' from high water mark; debris in snow storage area is cleared prior to delivering snow to storage area; all subsequent debris accumulated in snow storage area is cleaned and disposed of no later than May 15 th . There are no wells at the snow storage collection site.	Continue maintaining the site and using for snow disposal.
City to incorporate storm water treatment units in long term control plan/separation project.		August 2011 the City completed an upgrade to the storm water drainage system on Clough Drive and Little Harbour School. A new sediment trap was installed and connected to new and existing catch basins on Clough Drive, Brackett Road, and Haven Road.	Monitor the sediment trap and clean when appropriate in order to ensure sediment is not escaping from the trap into the surface water at Little Harbour.

BMP / ID Responsible Party	Measurable Goal	Progress on Goal(s) Permit Year 5	Planned Activity for calendar year 2012*
<p>6. B. Reduce the amount of nutrients and sediments entering receiving waters through mechanical and operational means.</p>	<p>Number of activities the DPW coordinates or conducts to clean up public lands of debris / pollutants around sensitive watersheds/water bodies.</p>	<p>Coordinated effort between the City and the Blue Ocean Society to clean litter on Pierce Island. Once a month, throughout the year, volunteers organized and took part in cleaning debris on Pierce Island. Specific items of waste were categorized and a substantial amount of litter was removed from the area and kept out of City storm drains and open water bodies. (See #1D)</p>	<p>Continue to support initiatives.</p>
<p>6. C. Reduce the amount of hazardous waste being disposed of inappropriately through programs/services, education of municipal employees and local residents.</p>	<p>i. The number of household hazardous waste collection events and the volume (i.e. gallons) of household hazardous waste disposed (in accord with hazardous waste regs. and diverted from the landfill).</p>	<p>Household Hazardous Waste Events held May 2011 & October 2011 – a total of 382 cars attended the events and over 5,000 gals of hazardous waste collected. Prescription drug collection was also conducted during the October 2011 event.</p>	<p>Hold two Household Hazardous Waste Collections scheduled for 2012, and continue to collect prescription drugs during these events.</p>