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Municipality: City of New Bedford, Massachusetts
EPA NPDES Permit Number: MAR041140
MaDEP Transmittal Number: W-035855
Report Number and Period: No. 1 March 2010-March 2011

**NPDES PHASE II SMALL MS4 GENERAL PERMIT
ANNUAL REPORT**

Part 1. General Information:

Contact Person: Ronald H. Labelle
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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 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: Ronald H. Labelle

Title: Commissioner, Department of Public Infrastructure

Date: April 27, 2011

Part II. Self-Assessment

The City of New Bedford has completed the required self-assessment and has determined that our municipality is in compliance with all permit conditions.

The selected BMP's have improved the area's storm water quality and awareness of such. As a result, the City of New Bedford deems the selections applicable.

Part III. Summary of Minimum Control Measures

1. Public Education and Outreach

BMP ID #	BMP DESCRIPTION	RESPONSIBLE DEPT.	MEASURABLE GOAL	PROGRESS ON GOAL	PLANNED ACTIVITIES
1.1	Educational Flyer/Fact Sheet Distribution	Public Infrastructure	Flyer/Fact Sheet prepared and distributed per time line	As per submitted time frames, the Flyer was distributed to 26,000 properties (100,000 persons) throughout the City via utility invoices in July 2009. The flyer was modified (our second mass distribution (first one was in July 2006)) and both English and Portuguese versions were mailed.	Distribute updated flyer again in summer of 2012 unless new permit dictates otherwise
1.2	Annual Meeting	Public Infrastructure	Meetings Advertised and Conducted	Meeting was advertised. Power point presentation was developed by City Staff. Meeting was conducted.	City will continue to pursue outreach programs to increase meeting attendance and stormwater remediation awareness.
1.3	Include the flyer information on Web Page	MIS	Web Page Development	City MIS Department is continuing with its' web site update. Presently, our Department's Environmental Policy, which includes our mission statement, is available to download.	MIS continues to update website.

2. Public Involvement and Participation

BMP ID #	BMP DESCRIPTION	RESPONSIBLE DEPT.	MEASURABLE GOAL	PROGRESS ON GOAL	PLANNED ACTIVITIES
2.1	Encourage Public Participation	Public Infrastructure	(1) Flyer Distribution (2) Stormwater meeting	(1) Flyer was distributed to 26,000 properties (100,000 persons) throughout the City via utility invoices in July 2009. (2) Power point presentation created and displayed to inform, educate and recruit the public concerning stormwater issues.	Distribute flyer Continue to revise and improve power point presentation
2.2	Establish Stormwater Management Committee	Public Infrastructure	Committee meets to review program progress	The City's Stormwater Committee continued to meet monthly in calendar year 2010. Using EPA's guidance and criteria, the committee has created a draft Stormwater Ordinance which is presently going through final review. We expect to forward this document to City Council, for adoption, sometime later summer/early fall.	Continue meeting with the goal of Stormwater Ordinance adoption.

2.3	Stormwater Drain Stenciling	Public Infrastructure	Stencil 1000 catch basins (not tied into POTW) commencing summer 2004 until all applicable catch basins are stenciled	<p>To date, 1700 catch basins have been stenciled. What follows is a recap.</p> <p>In calendar year 2005 (Don't Dump Save The Bay) stencils were obtained from the Coalition of Buzzards Bay. City hired summer interns to accomplish this task.</p> <p>In calendar year 2006, additional stencils were purchased and interns were hired to continue this effort(amongst other assignments).</p> <p>In calendar year 2007, additional interns were hired to continue this (and other) efforts.</p> <p>In 2008, to assist with the catch basin effort, the City's mason crew, who create all City-wide catch basin and D-frame covers, now affix a "Don't Dump" placard to some covers.</p> <p>In 2009, the City partnered with a local non-profit group and stenciled two hundred basins in the downtown area.</p> <p>In 2010, the City again, partnered both with a non-profit environmental awareness group and a local high school, supplying paint and catch basin maps, while the Coalition for Buzzards Bay provided the stencils. 300 additional basins were marked.</p>	<p>On staff interns will continue to assess each applicable catch basin during this summer to ascertain if re-stenciling is required.</p> <p>Continue with the mason's placarding efforts.</p>
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Illicit Discharge Detection and Elimination

BMP ID #	BMP DESCRIPTION	RESPONSIBLE DEPT.	MEASURABLE GOAL	PROGRESS ON GOAL	PLANNED ACTIVITIES
3.1	Discharge Identification	Public Infrastructure	Discharges mapped	The City has identified, evaluated, and digitized most stormwater discharge locations. However, there are still a number of drainage destinations which have yet to be verified. The City's Stormwater and Conservation staff continue to work in tandem on this effort.	Continue with drainage identification and mapping

3.2	Drainage Mapping	Public Infrastructure	Map Production	<p>In calendar year 2007, City entered into a cooperative partnership with the University of Massachusetts, Dartmouth, Engineering Department, with the initial primary focus of digitizing stormwater into the City's GIS system. The City has since applied for and been awarded, 2 additional grants (3 in total) from the Buzzards Bay National Estuary Project, to continue this effort. To date, since the inception of this program, there have been four students on staff during each semester, including the summer.</p> <p>In addition, City wastewater staff, in tandem with Conservation staff, are presently working on identifying and correcting illicit drainage areas.</p> <p>In 2010, the City of New Bedford applied for and received a grant from the Buzzards Bay National Estuary Project to create a stormwater map of its' downtown area drainage. Fuss and O'Neil was hired to undertake this task. To date, in conjunction with assistance from the City, numerous drains have been assessed and mapped.</p>	Continue with digitizing and survey
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3.3	Illicit Discharge Identification	Public Infrastructure	Correct Illicit Discharges	<p>On daily basis, the City has a CSO crew, pump station maintenance crew and Shellfish Warden investigate dry weather discharges.</p> <p>Further, there is an established program to identify illicit discharges, through dye testing, that has identified, thus far, greater than 350 illicit cross connections, with 100% correction.</p> <p>In addition, in January 2007, the City received a \$15,000 grant to improve water quality in order to open or protect shellfish beds.</p> <p>The City targeted a portion in the outer harbor to open this presently closed area for shellfishing.</p> <p>During the summer of 2007, after a lengthy dye study revealed no cross connections, City staff installed greater than 1200 feet of drainage with 16 structures (manholes and catch basins). The net result of this effort was the elimination of CSO 012.</p> <p>In 2008, City Wastewater and Conservation Staff further worked on identifying drainage areas</p> <p>In 2009, the City continued with mapping of its' drains by hiring a full-time intern to assist with this effort.</p> <p>In 2010, after much research, the City was notified that the Rockdale West Housing was not contributing bacterial</p>	Continue with established program
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3.4	Enforce compliance to minimize illicit discharge	Public Infrastructure	Correct Illicit Discharges	The City's Stormwater Committee, which presently meets monthly, is creating for adoption a Stormwater Ordinance. This document, as well as the current Sewer Use Ordinance, should give the City the required legal authority to enforce EPA's stormwater regs.	Enforce sewer use ordinance where necessary. Continue with the creation of a Stormwater Ordinance.
3.5	Include information on Illicit Discharge on Flyer created for BMP 1.1	Public Infrastructure	Distribute flyer. Enact upon reported discharge.	Flyer was distributed to 26,000 properties (100,000 persons) throughout the City via utility invoices in July 2009.	Distribute updated flyer again in summer of 2012 unless new permit dictates otherwise

4. Construction Site Stormwater Runoff Control

BMP ID #	BMP DESCRIPTION	RESPONSIBLE DEPT.	MEASURABLE GOAL	PROGRESS ON GOAL	PLANNED ACTIVITIES
4.1	Bylaw review	Conservation Committee	Review/modify existing Bylaws to ensure they adequately address permit requirements.	New Bedford Stormwater Committee, comprised of the water supt, the wastewater supt, the city's engineer, the highways supt, the city planner, bldg. commissioner, conservation agent and legal counsel, presently meeting monthly, is working to create and adopt a local Stormwater Ordinance. This will give the City the required authority to enforce EPA's stormwater regulations.	Continue creation and adoption of Stormwater Ordinance.

4.2	Subdivision Regulations Review	Planning Department	Review/modify existing regulations to ensure they adequately address permit requirements	New Bedford Stormwater Committee, presently meeting monthly, is working to create and adopt a local Stormwater Ordinance. This will give the City the required authority to enforce EPA's stormwater regulations.	Continue creation and adoption of Stormwater Ordinance
4.3	Zoning Bylaw review	Planning Department	Review/modify existing Bylaws to ensure they adequately address permit requirements	New Bedford Stormwater Committee, presently meeting monthly, is working to create and adopt a local Stormwater Ordinance. This will give the City the required authority to enforce EPA's stormwater regulations	Continue creation and adoption of Stormwater Ordinance

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

BMP ID #	BMP DESCRIPTION	RESPONSIBLE DEPT.	MEASURABLE GOAL	PROGRESS ON GOAL	PLANNED ACTIVITIES
5.1	Bylaw review	Conservation Committee	Review/modify existing Bylaws to ensure they adequately address permit requirements.	New Bedford Stormwater Committee, presently meeting monthly, is working to create and adopt a local Stormwater Ordinance. This will give the City the required authority to enforce EPA's stormwater regulations	Continue creation and adoption of Stormwater Ordinance
5.2	Subdivision Regulations Review	Planning Department	Review/modify existing regulations to ensure they adequately address permit requirements	New Bedford Stormwater Committee, presently meeting monthly, is working to create and adopt a local Stormwater Ordinance. This will give the City the required authority to enforce EPA's stormwater regulations	Continue creation and adoption of Stormwater Ordinance

5.3	Zoning Bylaw review	Planning Department	Review/modify existing Bylaws to ensure they adequately address permit requirements	New Bedford Stormwater Committee, presently meeting monthly, is working to create and adopt a local Stormwater Ordinance. This will give the City the required authority to enforce EPA's stormwater regulations	Continue creation and adoption of Stormwater Ordinance.
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6. Minimum Control Measures for Pollution Prevention/Good Housekeeping

BMP ID #	BMP DESCRIPTION	RESPONSIBLE DEPT.	MEASURABLE GOAL	PROGRESS ON GOAL	PLANNED ACTIVITIES
6.1	Protocol Implementation	Public Infrastructure	Implement preventive maintenance techniques to sewer system	City conducted 5,570 sewer inspections, rodded 47,501 feet of sewer, and jetted 300,509 feet of sewer	Continue with program
6.2	Annual Training	Public Infrastructure	Train staff on stormwater and pollution prevention techniques	Stormwater awareness has been included in our Department's Environmental Management System Training.	Continue with training....Update training where necessary
6.3	Permit Filing	Public Infrastructure	Permits filed, as needed	During all applicable excavation efforts, Public Infrastructure staff review project with Conservation Staff	Continue with protocol
6.4	Street Sweeping	Public Infrastructure	Sweep 2,600 miles annually	In calendar year 2010, City swept 10,007 miles of streets.	Continue with sweeping effort
6.5	Catch Basin Cleaning	Public Infrastructure	Clean minimum of 1000 catch basins per year	In calendar year 2010, City cleaned 1,412 catch basins	Continue with catch basin cleaning effort

Part IV. Summary of Information Collected and Analyzed

The local Shellfish Constable in conjunction with Massachusetts Division of Marine Fisheries Staff will conduct a minimum of 6 sampling events at 6 locations per event, during the course of any year. Pending the results revealed, additional samples may be collected. As a matter of protocol, should any sample reveal a higher than normal fecal coliform count, this event will trigger an investigatory response throughout the collection system until the problem is resolved.

Further, on daily basis, City has CSO crew, pump station maintenance crew and Shellfish Warden investigate dry weather discharges. Further, there is an established program to identify illicit discharges, through dye testing, that has identified, thus far, greater than 350 illicit cross connections, with 100% correction.

The City is presently about half-way complete of a twenty million dollar, two year, interceptor cleaning and remediation project. PCB contaminated grit is currently being removed and infrastructure is being replaced where necessary. This project has greatly minimized CSO activity, will minimize upstream flooding and will add much needed capacity.

As mentioned in the report, through a concerted effort costing the City more than \$240,000, in time and materials, the City eliminated CSO 012 - opening this once polluted area for shellfishing.

As mentioned in the narrative, the Buzzards Bay National Estuary Project will review our draft Ordinance, and correct/suggest where necessary, prior to sending this document to City Council for adoption.