



Department of Public Infrastructure

Ronald H. Labelle  
Commissioner

Water  
Wastewater  
Highways  
Engineering

**CITY OF NEW BEDFORD**

Scott W. Lang, Mayor

May 1, 2009

MAY 5 2009

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Thelma Murphy  
United States EPA Region 1  
1 Congress St., Suite 1100  
Boston, MA 02114-2023

Re: 2009Phase II Report

Dear Ms. Murphy:

For your review, enclosed please find the City of New Bedford's Phase II MS4 annual permit report summarizing our progress on stormwater activities conducted from March 2008– March 2009.

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

Should you have any questions, please contact me directly at 508-979-1556.

Sincerely,

Ronald H. Labelle  
Commissioner

**Municipality:** City of New Bedford, Massachusetts  
**EPA NPDES Permit Number:** MAR041140  
**MaDEP Transmittal Number:** W-035855  
**Report Number and Period:** No. 1 March 2008-March 2009

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

**Part 1. General Information:**

**Contact Person:** Ronald H. Labelle  
**Title:** Commissioner, Department of Public Infrastructure  
**Telephone #:** 508-979-1556  
**Email:** [RonaldL@www.ci.new-bedford.ma.us](mailto:RonaldL@www.ci.new-bedford.ma.us)

**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:** May 1, 2009

## **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**

<b>BMP ID #</b>	<b>BMP DESCRIPTION</b>	<b>RESPONSIBLE DEPT.</b>	<b>MEASURABLE GOAL</b>	<b>PROGRESS ON GOAL</b>	<b>PLANNED ACTIVITIES</b>
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 Feb 2006.	Next Flyer will be distributed in June/July 2009.
1.2	Annual Hearing	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 Feb 2006.  (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 has met monthly in calendar year 2009. Using EPA's guidance and criteria, the committee is working on creating and adopting a Stormwater Ordinance so that the City will have the necessary authority to enforce stormwater regulations.	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>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>To date, 1300 catch basins have been stenciled once and 800 have been stenciled twice. 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>On staff interns will 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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### 3. 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. There are still numerous drainage swales and similar which need to be traced. The City's Stormwater and Conservation staff are working in tandem on this effort.	Continue with survey and map production

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>	Continue with digitizing and survey
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3.3	Illicit Discharge Identification	Public Infrastructure	Correct Illicit Discharges	<p>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 300 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 driange areas</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 Feb 2006.	Revised Flyer will be distributed this summer.

#### 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, 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.

## 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 5,161 sewer inspections, rodded 30,237 feet of sewer, and jetted 250,105 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 2008, City swept 9,249 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 2007, City cleaned 2,328 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 a 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 300 illicit cross connections, with 100% correction.

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.

Lastly, the City requested its consultant, CDM, to conduct a stormwater seminar to assist in development of stormwater regulations.

Further, the Buzzards Bay National Estuary Project also conducted on site stormwater training for this same purpose.

The City has utilized the above training for the on-going creation of its Stormwater Ordinance.