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Municipality/Organization: City of Gloucester

EPA NPDES Permit Number: MA041192

MassDEP Transmittal Number: W-035854

Annual Report Number & Reporting Period: Year 9
April 1, 2011 – March 31, 2012

NPDES PII Small MS4 General Permit Annual Report

Part I. General Information

Contact Person: Michael Hale, AICP Title: DPW Director

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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: Carolyn Kirk

Title: Mayor

Date: 5/2/12

Part II. Self-Assessment

The City has continued to update its stormwater and sewer systems in the downtown area tributary of the CSO-004/005-2/006 area. The CSO-004/005-2/006 area is approximately 65 acres and generally bound by Webster Street to the north, Main Street to the south, Green Street to the east and Eastern Avenue to the west. The project's goal is to reduce the amount of storm water that enters the combined and sanitary sewer systems and will be achieved by providing new storm drains and rehabilitating existing combined and sanitary sewers. The project is being conducted in 2 phases. Phase 1 was completed in April 2009 where nine common manholes were separated and 33 illicit connections were removed from the storm drain system in the CSO 002 area. As a result of the Phase 1 contract, approximately 70 million gallons of stormwater was removed from the City's sewer system and wastewater treatment facility in a typical year. This was accomplished by connecting existing 18-inch diameter and 40-inch diameter storm drains at the intersection of Washington Street and Prospect Street to the recently constructed large diameter drain pipe where they were once ultimately discharging to the wastewater treatment facility unnecessarily. The City's residents were extremely supportive of the project and helped contribute to make the Phase 1 project very successful. The Phase 2 contract includes repair and replacement of storm drains and catchbasins in the lower CSO-002 catchment area. Construction of new sewers and drains including deep-sump catchbasins in the CSO-002 area was completed in July of 2010.

The city cleaned 520 of 3300 catchbasins in 2011 and removed 120 cubic yards of material. The decrease in sediment amount removed reflects the DPW initiative to reduce the amount of sand entering the system by increasing the amount of salt applied while decreasing sand.

The City has continued to hold a successful Hazardous Waste Day on September 24 2011 and leaf pick up weeks to deter illegal dumping. The City has an ongoing mercury thermometer exchange program. In addition, the City holds monthly collections for waste oil, oil filters, tires, car batteries, scrap metal, and fluorescent bulbs.

The City continues to collaborate with Northshore Audubon, Eight Towns and the Bay, Salem Sound Coastwatch and NOAA to monitor various sites around the city as well as public involvement. The City has also revised their Stormwater Management Ordinance Erosion & Sediment Controls and are awaiting finalization to present it to the City Council for passage.

The City passed a Stormwater Utility Ordinance in 2009. In March of 2011 the City passed accompanying Regulations. The details of the user fees and enterprise fund are still under review by City Council.

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 9 (Reliance on non-municipal partners indicated, if any)	Planned Activities
1-1 Revised	Classroom Stormwater Education	School Committee	Teachers instruct classes and present material gathered in year one	In Year 7, Salem Sound Coastwatch held classroom exploration of clams and habitat with student of the O'Maley Middle School	Measurable goals for 2003 permit have been met.
1-2, 1-3 Revised	Using the Media	Engineering	Supply DPW, City Hall and Public Library with flyers and fact sheets. Distribute flyers to Gloucester Residents	In Year 1, Posters posted at City Hall, City Hall Annex, and DPW Sites	Measurable goals for 2003 permit have been met.
1-4 Revised	Hazardous Waste Mgt.	DPW	Bi-annual hazardous waste collection	Held annual Hazardous Waste Day 9/24/11. Also monthly collections for oil, oil filters, tires, car batteries, scrap metal, and fluorescent bulbs	Continue to hold annual hazardous waste day.

2. Public Involvement and Participation

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year -9 (Reliance on non-municipal partners indicated, if any)	Planned Activities
2-1 Revised	Adopt -A- Stream Program	Con/Com/ Community Development	Clean and maintain adopted local waters	Northshore Audubon, Gloucester Conservation & Shellfish Dept. hosted Little River Shoreline survey and cleanup.	Measurable goals for 2003 permit have been met.
2-2 Revised	Pond and Stream Cleanup and Monitoring	Community Development Engineering	Organize stream clean up events	COASTSWEEP 2011 conducted cleanups in September and October on Wingsheek, Plum Cove, Long, and Good Harbor beaches. 45 volunteers attended and 92 pounds of trash was removed.	Continue to hold annual beach cleanups and other stream cleanup events.
2-3 Revised	Stencil Storm Drains	DPW	Stencil 30 Storm drains per year. Maintain records of stenciled areas in Gloucester	Currently coordinating with the Coast Guard to utilize volunteered Coast Guard resources to conduct stenciling program along the harbor.	Measurable goals for 2003 permit have been met.
Revised	Community Hotline	DPW	Residents use Hotline to report illegal dumping for DPW investigation.	Continued to respond to calls from residents.	Continue to respond to calls from residents.
2-4 Revised	Stormwater Steering Committee	Engineering	Quarterly meetings and during most TAG meetings.	Stormwater Utility has been passed and City Council is working on fee schedule.	Continue to hold meetings.
2-5 Revised	Pet Waste Collection	Health Dept. Animal Control	Continued enforcement of ordinances and post signs on beaches and other areas where ordinance is applicable	Began construction on dog park with pet waste disposal units.	Measurable goals for 2003 permit have been met.

3. Illicit Discharge Detection and Elimination

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 9 (Reliance on non-municipal partners indicated, if any)	Planned Activities
3-1 Revised	Inspect City Discharges	DPW	Locate, inspect, record condition, dry weather flow	Continue to inspect and record condition of sewer and drain outfall tide gates and CSO regulator structures during dry weather and document conditions and maintenance needs.	Measurable goals for 2003 permit have been met.
3-2 Revised	Structure Mapping	Engineering, DPW	Locate structures, compile database, create map	Conducted windshield survey to update locations of any new structures and outfalls.	Measurable goals for 2003 permit have been met.
3-3 Revised	Non-stormwater Discharge Education	Mayors Office	Flyers, record and enforce illegal dumps, cleanup	Flyers available at City Hall, City Hall Annex, and DPW	Measurable goals for 2003 permit have been met.
3-4 Revised	Septic System Controls	Board of Health	Maintain systems, document failing systems, repair	Health Department has recorded all repairs of septic systems	Measurable goals for 2003 permit have been met.
3-5 Revised	Illicit Discharge Ordinance	City Council	Create ordinance, eliminate illicit discharges to MS4	Still under review by City.	Pass illicit discharge ordinance

4. Construction Site Stormwater Runoff Control

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 9 (Reliance on non-municipal partners indicated, if any)	Planned Activities
4-1 Revised	Ordinance review/Update	City Council	Maintain and enforce exist. Regs, dev. Storm drain regs.	The Rules and Regulations have been passed by City Council	Measurable goals for 2003 permit have been met.
4-2 Revised	Construction Inspection	City Council	Dev. Soil and erosion control ord., maintain inspections	The Rules and Regulations have been passed by City Council	Measurable goals for 2003 permit have been met.

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 9 (Reliance on non-municipal partners indicated, if any)	Planned Activities
5-1 Revised	Zoning	City Council	Update zoning regs, track changes	Continued to update zoning changes	Continue to update zoning changes
5-2 Revised	Post Construction	City Council	Dev. Storm drain ord, dev standard construction policy	The Rules and Regulations have been passed by City Council	Measurable goals for 2003 permit have been met.
5-3 Revised	BMP Inspection, Maintenance	DPW	Inspect BMP's Document Problems, make changes	No action planned in Year 9.	New permit requirements to be addressed in Notice of Intent

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 9 (Reliance on non-municipal partners indicated, if any)	Planned Activities
6-1 Revised	Catch basin Cleaning	DPW	Develop program, collect data, refine program	BMP complete, City owns vactor truck which continually cleans catchbasins throughout year with focused efforts on problem catchbasins. The city cleaned 520 catchbasins for a total of 120 yards of debris removed	Continue regular cleaning of catchbasins.
6-2 Revised	Street Cleaning	DPW	Sweep roads annually, parking lots	Street sweeping conducted March to November; also sidewalk sweeping was completed in downtown area.	Continue regular cleaning of streets.
6-3 Revised	Pipe Cleaning	DPW	Clean 25% of System	Drain structures and pipes cleaned in downtown area as part of downtown sewer separation project.	Measureable goals for 2003 permit have been met.
6-4 Revised	Pipe Installations	Engineering, DPW	Replace portion of pipe, catchbasins annually	Drain and sewer pipes replaced as part of CSO-004/005-2/006 separation project.	Measureable goals for 2003 permit have been met.
6-5 Revised	Investigate City BMP's	DPW	Inspect 3 BMP'S/Year, Implement Retrofits	Drain structures and pipes cleaned in downtown area as part of downtown sewer separation project.	Measureable goals for 2003 permit have been met.

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

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2-2 Revised	Pond and Stream Cleanup and Monitoring	Community Development Engineering	Organize stream clean up events	COASTSWEEP 2011 conducted cleanups in September and October on Wingsheek, Plum Cove, Long, and Good Harbor beaches. 45 volunteers attended and 92 pounds of trash was removed.	Continue to hold annual beach cleanups and other stream cleanup events.
3-1 Revised	Inspect City Discharges	DPW	Locate, Inspect, Record Condition, Dry Weather Flow	No activities planned for year 9.	New permit requirements to be addressed in Notice of Intent.
3-4 Revised	Septic System Controls	Board of Health	Inspect systems, document failing systems, repairs	Health Department has recorded all repairs of septic systems	New permit requirements to be addressed in Notice of Intent.
6-1 Revised	Catchbasin Cleaning	DPW	Develop program, Collect data, refine program	BMP complete, City owns vactor truck which continually cleans catchbasins throughout year with focused efforts on problem catchbasins. The city cleaned 520 catchbasins for a total of 120 yards of debris removed.	Measurable goals for 2003 permit have been met.
6-5 Revised	Investigate BMP's	DPW	Inspect 3 BMP's/Year, Implement Retrofits	Drain structures and pipes cleaned in downtown area as part of downtown sewer separation project.	Measurable goals for 2003 permit have been met.