

Part II. Self-Assessment

From April 1, 2009– March 31, 2010 the City of Quincy continued to make progress implementing BMPs and meeting the General Permit requirements. Stormwater management activities to note include:

- The Coastal Manhole Inspection Program was completed.
- The Coastal Manhole Rehabilitation Project has been designed and bid.
- Completed an illicit discharge investigation near Rhoda Beach in Hough's Neck.
- The Wollaston Beach Drainage Water Quality Study was completed.
- The Wollaston Beach committee has adopted a catch basin stenciling program.
- Multi-mitt stations have been re-established and are overseen by the City's Program Manager. Residents are aware of the stations as evidenced by the requests for restocking and requests for additional stations.
- The City is currently reviewing potential locations for a dog park.
- In the Spring of 2009, the Department of Public Works held a training/class on the use of the CCTV Truck for the IDDE program
- The City of Quincy and USEPA Flagship Beach Program partnership continued through 2009. .
- The City is in the process of implementing the recommendations from the Woodbine Drainage Evaluation, which include replacement of a collapsed section of drain pipe and drainage structures to alleviate flooding.
- The City contracted with Woodard & Curran for an evaluation of sixteen areas within the City of Quincy (the City) identified by the Department of Public Works (DPW) that have regular to periodic problems with drainage performance. This report was completed in April 2009. The report provides recommendations ranging from increased maintenance to large-scale drainage equipment upgrades and all are focused on efficiently and cost-effectively improving the drainage performance of problematic portions of the drainage system.

Planned activities for the next permit term have not been designated unless a BMP under this permit term was not fully completed or is an ongoing effort. Quincy's Stormwater Management Program will be re-assessed during development of the next NOI to more efficiently use the City's limited resources and staff time to leverage better 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 7 (Reliance on non-municipal partners indicated, if any)	Planned Activities
1-1 Revised	Classroom education	Department of Public Works	Outreach to Ecology Clubs in Schools	Continued working with several local students with research for storm water reports and environmental projects.	Measurable goals for 2003 General Permit have been met. The Department of Public Works plans to continue to work with local students when they seek assistance.
1-2 Revised	Flyer & Brochure distribution	Department of Public Works	Develop & distribute materials for public education	Flyers provided by the MWRA are handed out at the DPW.	Measurable goals for 2003 General Permit have been met. Plan to continue with this practice.
1-3 Revised	Using the Media and Internet	Department of Public Works	Issue One Local Cable Public Service Announcement (PSA)	Three, one-hour PSAs were developed for Water, Wastewater and Stormwater. and the Water and Wastewater PSAs have aired periodically on the local cable access channel during Permit Year 7. The Stormwater PSA will be aired later this year. The Sewer PSA explained that the sewer and stormwater systems are not connected, not to put pet waste in catch basins, and that the stormwater system drains to Quincy Harbor.	Measurable goals for 2003 General Permit have been met. Plan to continue with this practice.
1-3 Revised	Using the Media and Internet	Department of Public Works	Annual article by Sewer/Water/Drain Superintendent	Continued to respond to all press requests/inquiries. Articles released as necessary.	Measurable goals for 2003 General Permit have been met. Plan to continue with this practice.
1-3 Revised	Using the Media and Internet	Department of Public Works	Publish one storm related article each year.	Due to limited staff time and limited budgets, DPW newsletter is not longer mailed directly to households. The DWP now uses the DPW website for this purpose and plans to add stormwater information.	Add stormwater information to the Department of Public Works website, if budget is available.

1-3 Revised	Using the Media and Internet	Department of Public Works	Expand City Website to include Storm Water Topics and links	Website updates are planned.	Develop Website as planned, if budget is available.
1-4 Revised	Public Safety Fair	All City Departments	Annual Public Safety Fair	The Annual Public Safety Fair was not held in 2009.	Continue to distribute stormwater information at the Public Safety Fair if held.

1a. Additions

1-5	Neighborhood Forums of Flooding	Department of Public Works	PY7 - Perform outreach to residents in response to recent flooding	The City developed material for a series of neighborhood forums in response to recent flooding. These forums will occur throughout the City and will focus on maintenance and preventative maintenance of the drainage system. Other stormwater issues will also be addressed.	The first of several planned neighborhood meetings was held on April 27, 2010 in West Quincy. Plan to hold additional meetings throughout the City.
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2. Public Involvement and Participation

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 7 (Reliance on non-municipal partners indicated, if any)	Planned Activities
2-1 Revised	Storm Water Committee	Department of Public Works (DPW)	Establish the Committee and meet quarterly.	There are now several committees specific to receiving waters (e.g., Wollaston Beach Committee) or other environmental issues. DPW participates in these groups as necessary regarding the stormwater program.	Measurable goals for 2003 General Permit have been met. Continue meetings to discuss progress and future goals for each watershed

2-2	Storm Cleanup and Management	DPW	Track Clean-up activities per year. Track number of clean-up participants Track number of miles cleaned by volunteers	<p><i>Cleaner, Greener Quincy</i> was held on May 2, 2009. Over 1000+ residents volunteers and all city departments cleaned 100 tons of debris</p> <p>Traditionally volunteers clean 4 miles of neighborhood park, beach, school, marsh or open space area. In Permit Year 7, the traditional clean-up area was expanded to include the Furnace Brook watershed area.</p> <p>The City is in planning stage in the development of a Dog Park at Faxon Field.</p> <p>26 mutt-mitt stations have been re-established. Stations have been located at residents' requests.</p>	<p>Measurable goals for 2003 General Permit have been met.</p> <p><i>Cleaner, Greener Quincy</i> has been held for over 20 years. The City plans to continue with this practice. <i>Cleaner Greener Quincy</i> will be held again on May 1, 2010.</p> <p>Post storm cleanup is a function of the DPW and Parks Departments.</p> <p>Many new, planned developments in the City are incorporating dog parks into their site design. High Point Condominiums is once such development.</p> <p>Continue maintaining "pooper-scooper stations."</p>
2-4	Pet Waste Collection	DPW	Track number of Dog Parks Track number of Signs Posted Track number of Educational Materials Distributed Track number of "Pooper -Scooper Stations"	<p>Continued partnership with EPA biologists on biological testing and identification of bacteria sources.</p>	<p>The City plans to continue working with EPA Biologists.</p>
2-5	Flagship Beach Program	DPW & EPA			

3. Illicit Discharge Detection and Elimination

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) -- Permit Year 7 (Reliance on non-municipal partners indicated, if any)	Planned Activities
3-1	Drainage System Mapping	DPW	Locate all outfalls	All outfalls have been identified.	Measurable goals for 2003 General Permit have been met.

3-1 Revised	Drainage System Mapping	DPW Engineering	Complete drainage system mapping	Drainage system mapping is complete. Summer interns continue to field verify digitized plans.	Measurable goals for 2003 General Permit have been met. Continue field verification of drainage system.
3-2 Revised	Outfall Testing Program	DPW	Inspect all City discharges	Cleaning of outfalls complete. DPW routinely cleans outlets of debris.	City is considering contracting the outfall cleaning work.
3-2 Revised	Outfall Testing Program	Health Dept	Sample discharges with flow present	Testing conducted during summer at beaches. See BMPs 3-5.	Continue bathing beach testing.
3-2 Revised	Outfall Testing Program	Health Dept.	Follow-up testing on discharges showing contamination	Health Dept notifies DPW areas with high bacteria counts. DPW follows up. In 2009, the Wollaston Beach Drainage Water Quality Study was conducted. This study included wet and dry weather sampling at 5 outfalls along Wollaston Beach. Dry weather sampling also included collecting samples at 6 catch basins within the drainage system and wet weather sampling included sampling approximately 20 manholes. Dye Testing was also conducted at the Squantum Yacht Club and the Wollaston Yacht Club.	Continue practice.
3-3 Revised	Illegal Dumping Education	DPW	Storm water committee to distribute flyers, posters & other educational material	The topic of illegal dumping and the connection between the storm drain and the beaches was addressed in the educational materials available at the DPW office and in the cable TV PSAs run in PY7.	Measurable goals for 2003 General Permit have been met. Continue practice.
3-3 Revised	Illegal Dumping Education	DPW	Document and investigate illegal dumps reported by citizens	DPW documents illegal dumping with a daily log. All illegal dumps are investigated by the DPW.	Continue current practice and review protocol in committee.

3-3 Revised	DPW	Enforce Penalties	Penalties and citations enforced by DPW & Inspectional Services	Measurable goals for 2003 General Permit have been met. Continue enforcement per Ordinance.
3-4	DPW	Review and revise ordinances	Ordinance Governing Discharges to the Municipal Storm Drain System enacted in 2005 (#2005-094). Established partnership. Focus has been biological testing. Continued working with EPA biologists. In 2009 the EPA notified the Department of Public Works of elevated test results in the Rhoda Beach (the Hough's Neck/Germantown section of Quincy) area that may be indicative of an illicit connection. The Department of Public Works investigated and found no direct connection.	Measurable goals for 2003 General Permit have been met.
3-5	DPW & EPA			Continue working with EPA Biologists.

3a. Additions

3-6	Department of Public Works	PY7 – Perform sewer evaluation to prevent pollution of sensitive areas	In June 2009 the City inspected approximately 200 sewer manholes along tidal areas, including Black's Creek and every structure along East Squantum adjacent to Wollaston Beach. No SSOs were found, but a small number of I/I sources were found and repaired.	As a result of the manhole inspection project, a Manhole Replacement Project, with includes the repair and replacement of over 100 manholes, has been designed and is currently out to bid. This project should be complete in October 2010.
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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 7 (Reliance on non-municipal partners indicated, if any)	Planned Activities
4-1 Revised	Ordinance Review and Updates	DPW	Review and Revise current erosion and sediment control ordinance	Land Disturbance ordinance enacted in 2008 (#2008-125). Ordinance regulations construction site runoff.	Measurable goals for 2003 General Permit have been met. Continue enforcement of ordinance.
4-2 Revised	Construction Reviews	DPW	Develop and implement standard project review procedures	City's Engineering Dept. implemented a construction review process on sites regardless of lot size to ensure that all post construction stormwater runoff has been in compliance with BMP's.	Measurable goals for 2003 General Permit have been met.
4-2 Revised	Construction Reviews	DPW & Building Inspection Services	Develop and implement standard construction details	Construction details are added to files as needed.	Measurable goals for 2003 General Permit have been met. Continue current practices.
4-2 Revised	Construction Reviews	Engineering	Develop and implement standard inspection review procedures, document inadequate sites/plans reported and non-complaint permits	Engineering Department implements standard inspection review procedures. Engineering Department rejects inadequate plans. Permits are not issued until appropriate corrections are made to plans.	Measurable goals for 2003 General Permit have been met. Continue current practices.
4-3 Revised	Public Information	DPW	Continue "Hot Line"	Ongoing use of hot line.	Measurable goals for 2003 General Permit have been met. Continue use of hot line for public complaints.
4-3 Revised	Public Information	DPW	Document & investigate complaints	DPW maintains daily log and enters all daily complaints received. Complaints are investigated.	Measurable goals for 2003 General Permit have been met. Continue current practices.

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 7 (Reliance on non-municipal partners indicated, if any)	Planned Activities
5-1 Revised	Ordinance Review and Update	Department of Public Works	Review and Revise Current Storm Water Ordinances	Post Construction ordinance enacted in 2008 (#2008-126).	Measurable goals for 2003 General Permit have been met. Continue enforcement of ordinance.
5-1 Revised	Ordinance Review and Update	Engineering Dept.	Develop and implement standard construction details and policies	City's Engineering Department has implemented a standard construction details and policies, and conducts detailed review.	Measurable goals for 2003 General Permit have been met. Continue current practices.
5-2 Revised	Project Reviews	DPW	Develop and implement standard Project Review Procedures	Engineering and the Sewer Water Drain Division have standard project review procedures in place.	Measurable goals for 2003 General Permit have been met. Continue current practices.
5-2 Revised	Project Reviews		Develop and implement standard construction details	Existing files are updated with construction details as required	Measurable goals for 2003 General Permit have been met. Continue current practices.
5-2 Revised	Project Reviews		Develop and implement Standard Inspection Review Procedures	Engineering, Sewer, Water, & Drain and Building Inspectors have standard procedures in place	Measurable goals for 2003 General Permit have been met. Continue current practices.
5-3	Project Reviews	Building Inspectors	Document inadequate site plans reported by inspectors	Ordinance enforced jointly by DPW & Inspectional Services	Measurable goals for 2003 General Permit have been met. Continue current practices.

5-4	Project Reviews	DPW	Report non-compliant permits	All issues of non-compliance or the potential thereof are reported/resolved interdepartmentally	Measurable goals for 2003 General Permit have been met. Continue current practices.
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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 7 (Reliance on non-municipal partners indicated, if any)	Planned Activities
6-1 Revised	Predictive Catch Basin Program	Department of Public Works	Continue with current program	Continued the current catch basin, storm drain & tidegate inspection program including operations & maintenance of the storm water system.	Measurable goals for 2003 General Permit have been met. Continue current practices.
6-2 Revised	Street Cleaning Program	Department of Public Works	Continue with current program, review the effectiveness of the program	All streets swept once in April through June 2009.	Measurable goals for 2003 General Permit have been met. Continue to sweep streets at least once per year.
6-3 Revised	Inspect City owned BMPs for Retrofit Opportunities	Department of Public Works	Inspect three structural BMPs per year and implement two retrofit projects	In 2008, applied for CZM grant for Town Brook – installation of two storm Stormceptors. Did not receive CZM grant. And did not pursue another source of funding this permit year.	Continue to look for advantageous locations for the implementation of stormwater retrofits.
6-4 Revised	Municipal Employee Training	Department of Public Works	Continue with current program	In the Spring of 2009, the Department of Public Works held a training/class on the use of the CCTV Truck for the IDDE program. In Permit Year 7, the Department of Public Works conducted a training course for staff members. This course includes training on the proper use of a new high pressure cleaning nozzle and how to properly clean drain lines.	Measurable goals for 2003 General Permit have been met. Continue current practices and look for training opportunities/programs more specific to Quincy's stormwater challenges.

6a. Additions

6-5	Woodbine Street Stormwater Improvements Project	Engineering Department	PY7 – Proceed with Woodbine Street area drainage improvements	The City performed an evaluation of the drainage system in the Woodbine Street area, which is prone to flooding. As a result, the City is moving forward with the study recommendations to replace damaged and partially collapsed clay sections of the Wayland and Cushing Street Drains and drain structures.	The project was put out to bid in March 2010 and is awaiting award.
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7. BMPs for Meeting Total Maximum Daily Load (TMDL) Waste Load Allocations (WLA)

The Final Pathogens TMDL for the Neponset River is being met by BMP ID # 1-3, 2-2, 2-4, 2-5, 3-2, 3-3, 3-4, 3-5, and 3-6.

7b. WLA Assessment

The following table summarizes the WLA for the Neponset River:

Fecal Coliform Waste Load Allocations (WLA) and Load Allocations (LAs) for the Neponset River and Identified Tributary Streams			
Surface Water Classification	Bacteria Source Category	WLA (organisms per 100 ml)	LA
B	Illicit Discharges to Storm Drains	0	N/A
B	Leaking Sanitary Sewers	0	0
B	Failing Septic Systems	N/A	0
B	Storm Water Runoff	GM ≤ 200 90% ≤ 400	GM ≤ 200 90% ≤ 400
B	Sanitary Sewer Overflows	0	0
SB	Illicit Discharges to Storm Drains	0	N/A
SB	Failing Septic Systems	N/A	0
SB	Storm Water Runoff (Boston, Milton and Quincy)	GM ≤ 88 90% ≤ 260	GM ≤ 88 90% ≤ 260
SB	Sanitary Sewer Overflows	0	0
SB	Combined Sewer Overflows	0	N/A

GM means geometric mean

N/A means not applicable

The City is making steady progress towards meeting the WLA through implementation of existing BMPs, in particular, the outfall testing program and the illicit discharge detection and elimination program. At this time the City does not plan to add additional BMPs to address the WLA.

Part IV. Summary of Information Collected and Analyzed

Sampling was conducted at Quincy's public beaches. Results are available at http://mass.digitalhealthdepartment.com/public_21/beaches.cfm

The results of the Wollaston Beach Drainage Water Quality Study are available upon request through the Engineering Department at 55 Sea Street.