

Municipality/Organization: City of Quincy

EPA NPDES Permit Number: MAR041081

MaDEP Transmittal Number: W-041020

Annual Report Number Year 6
& Reporting Period: April 1, 2008-March 31, 2009

NPDES PII Small MS4 General Permit Annual Report (Due: May 1, 2009)

Part I. General Information

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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: Thomas P. Koch

Title: Mayor

Date: 05/01/09

Part II. Self-Assessment

From April 1, 2008– May 1, 2009 the City of Quincy continued to make progress implementing BMPs and meeting the General Permit requirements. 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.

Stormwater management activities to note include:

- Four branch-committees exist. The primary areas of focus are: Monclair Bog, Wollaston Beach/ Blacks Creek/Dickens Marsh, Mallard Road Marsh, and Town Brook (smelt spawn) Butlers Pond.
- The Wollaston Beach committee has adopted a catch basin stenciling program.
- Door hangers have been printed and are distributed in residential neighborhoods during storm drain cleaning operations. The hangers are intended to educate the general public about the storm water collection system.
- Phase 2 Quincy Shore Drive sewer rehabilitation has been completed.
- The construction of Fenno Street (Blacks Creek watershed) area sewer rehabilitation project has been completed.
- Mutt-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.
- The Department of Public Works purchased a camera truck in 2008 to use in conjunction with its Vactron unit. In addition to catch basins being cleaned, laterals and mains are being cleaned and checked for damage & illicit connections.
- The City of Quincy and USEPA Flagship Beach Program partnership continued through 2008.
- In 2007 the Area V drainage filtration beds were cleaned the City hopes to add additional filtration media in 2009. This drain system flows out to Wollaston Beach.
- A Flood Prone Area study was contracted with Woodard & Curran
- CZM Grant received to evaluate the Woodbine drainage area

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 6 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Next Permit Term
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	Plan to continue with this practice
1-2 Revised	Flyer & Brochure distribution	Department of Public Works	Develop & distribute materials for public education	Door hangers have been printed and are distributed in neighborhoods during catch basin cleaning. Flyers provided by the MWRA are handed out at the DPW	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)	Public Service Announcements specific to stormwater management were issued.	Continue 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.	Continue 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 was not mailing to households.	Re-assess this BMP during development of SWMP for next permit term.
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	Public Safety Fair	All City Departments	Annual Public Safety Fair	The Fair was not held in 2008.	Continue to distribute stormwater information at the Public Safety Fair if held.
Revised					

2. Public Involvement and Participation

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 6 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Next Permit Term
2-1	Storm Water Committee	Department of Public Works (DPW)	Establish the Committee and meet quarterly.	Four branch committees exist. Meetings have become annual.	Continue annual meetings to discuss progress and future goals for each water shed
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	“Cleaner Greener Quincy” held in May 2008 1000+- volunteers and all city departments cleaned 100 tons of debris 4 miles, same areas are focused on annually	Cleaner Greener Quincy will be held again. Post storm cleanup is a function of the DPW and Parks Departments.
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”	Dog Park in planning stage 26 stations have been re-established. Stations have been located at residents requests..	Continue maintaining “pooper-scooper stations.”
Revised					

2-5	Flagship Beach Program	DPW & EPA		Continued to work with EPA biologists on biological testing.	Continue working with EPA Biologists
Revised					

3. Illicit Discharge Detection and Elimination

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 6 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Next Permit Term
3-1	Drainage System Mapping	DPW	Locate all outfalls	All outfalls have been identified	Measurable goal has been met.
Revised					
3-1	Drainage System Mapping	DPW Engineering	Complete drainage system mapping	Drainage system mapping is complete. Summer interns continue to field verify digitized plans.	Measurable goal has been met, continue field verification of drainage system.
Revised					
3-2	Outfall Testing Program	DPW	Inspect all City discharges	Cleaning of outfalls complete. DPW routinely cleans outlets of debris.	Assign DPW personnel to conduct routine O&M
Revised					
3-2	Outfall Testing Program	Health Dept	Sample discharges with flow present	Testing conducted during summer at beaches. See BMP 3-5.	Continue bathing beach testing
Revised					
3-2	Outfall Testing Program	Health Dept.	Follow-up testing on discharges showing contamination	Health Dept notifies DPW areas with high bacteria counts. DPW follows up.	Continue practice.
Revised					
3-3	Illegal Dumping Education	DPW	Storm water committee to distribute flyers, posters & other educational material	Public education has improved some class room activities.	Greater emphasis on informing public of storm water ordinance
Revised					

3-3	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
Revised					
3-3		DPW	Enforce Penalties	Penalties and citations enforced by DPW & Inspectional Services	Measurable goals are met. Continue enforcement per Ordinance.
Revised					
3-4	Ordinance Review and Update	DPW	Review and revise ordinances	Ordinance Governing Discharges to the Municipal Storm Drain System enacted in 2005 (#2005-094).	Measurable goals are met.
3-5	Flagship Beach Program	DPW & EPA		Established partnership. Focus has been biological testing. Continued working with EPA biologists.	Continue working with EPA Biologists.

4. Construction Site Stormwater Runoff Control

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 6 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Next Permit Term
4-1	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 goal has been met. Continue enforcement of ordinance.
Revised					
4-2	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 goal has been met.
Revised					

4-2	Construction Reviews	DPW & Building Inspection Services	Develop and implement standard construction details	Construction details are added to files as needed.	Measurable goal has been met. Continue current practices.
Revised					
4-2	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 goal has been met. Continue current practices.
Revised					
4-3	Public Information	DPW	Continue "Hot Line"	Ongoing use of hot line.	Measurable goal has been met. Continue use of hot line.
Revised					
4-3	Public Information	DPW	Document & investigate complaints	DPW maintains daily log and enters all daily complaints received. Complaints are investigated.	Measurable goal has been met. Continue current practices.
Revised					

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 6 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Next Permit Term
5-1	Ordinance Review and Update	Department of Public Works	Review and Revise Current Storm Water Ordinances	Post Construction ordinance enacted in 2008 (#2008-126).	Measurable goal has been met. Continue enforcement of ordinance.
Revised					
5-1	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 goal has been met. Continue current practices.
Revised					

5-2	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 goal has been met. Continue current practices.
Revised					
5-2	Project Reviews		Develop and implement standard construction details	Existing files are updated with construction details as required	Measurable goal has been met. Continue current practices.
Revised					
5-2	Project Reviews		Develop and implement Standard Inspection Review Procedures	Engineering, Sewer, Water, & Drain and Building Inspectors have standard procedures in place	Measurable goal has been met. Continue current practices.
Revised					
5-3		Building Inspectors	Document inadequate site plans reported by inspectors	Ordinance enforced jointly by DPW & Inspectional Services	Measurable goal has been met. Continue current practices.
5-4		DPW	Report non-compliant permits	All issues of non-compliance or the potential thereof are reported/resolved interdepartmentally	Measurable goal has been met. Continue current practices.

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 6 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Next Permit Term
6-1	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 goal has been met. Continue current practices.
Revised					
6-2	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 2008.	Measurable goal has been met. Continue current practices.
Revised					

6-3	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 septs. Did not receive CZM grant.	Continue to pursue funding opportunities for retrofits.
Revised					
6-4	Municipal Employee Training	Department of Public Works	Continue with current program	Management & non-management employees have had some training	Measurable goal has been met. Continue current practices and look for training opportunities/programs more specific to Quincy's stormwater challenges.
Revised					

7. BMPs for Meeting Total Maximum Daily Load (TMDL) Waste Load Allocations (WLA)

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

7b. WLA Assessment

The following table summarizes the WLA for the Neponset River:

Fecal Coliform Waste Load Allocations (WLAs) and Load Allocations (LAs) for the Neponset River and Identified Tributary Streams				
Surface Water Classification	Bacteria Source Category	WLA (organisms per 100 ml)	L.A	
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 $\leq$ 200 90% $\leq$ 400	GM $\leq$ 200 90% $\leq$ 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 $\leq$ 88 90% $\leq$ 260	GM $\leq$ 88 90% $\leq$ 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