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Municipality/Organization: Town of Norwell, MA

EPA NPDES Permit Number: MAR041052

Massachusetts DEP Transmittal Number: W035900

Annual Report Number
& Reporting Period: No. 9: April 1, 2011 -March 31, 2012

NPDES PII Small MS4 General Permit Annual Report

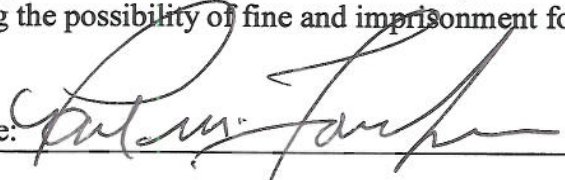
Part I. General Information

Contact Person: Paul Foulsham Title: Highway Surveyor

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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: Paul M. Foulsham

Title: Highway Surveyor

Date: 4-27-12

Part II. Self-Assessment

In general, the Town of Norwell's stormwater management activities for the five years of the General Permit (March 2003 through March 2008) focused on obtaining necessary funding to implement the activities outlined in the Notice of Intent (Massachusetts DEP form BRP WM 08A) submitted in July 2003. The Town has developed a Stormwater Management Plan with program priorities for 2003-2012 including:

1. Achieving regulatory compliance, particularly EPA and DEP Phase II NPDES permit requirements;
2. Incorporating storm water protection measures into municipal activities;
3. Focusing activities on target pollution reduction (e.g. Section 303.d. waters and protecting the Town's water supply);
4. Ensuring that the Program is current and innovative; and
5. Providing Program administration.

The Water Quality Stewardship element of the program focused on the protection of the local water supply and addressing the State's Section 303.d waters located within the Town. To this end, staff continued to develop and improve the Program activities to reduce storm water pollution to the maximum extent practicable and eliminate prohibited non-storm water discharges, while facilitating understanding and involvement in storm water management by various Town departments. Program priorities also focused on increased efforts to reduce target pollutants and restore local water bodies.

The Town is committed to working with local watershed associations to advance their goals and objectives. Another high priority of staff was to keep abreast of the latest technology and approaches to achieve storm water management. Program activities also strove to encourage environmental stewardship and continued to build on partnerships with other agencies, neighboring towns, and the community for active participation in accomplishing the Program mission.

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 – Permit Year 10
1 Revised	Partnership with local Watershed Associations	Con. Comm., DPW, BOH	Regular Meeting Attendance	Continued partnership with North and South Coastal Watershed Association.	Continue partnership with North and South Coastal Watershed Association.
2 Revised	Develop Brochures	DPW	Quarterly Mailings	No brochures sent during this permit year.	Refocus on this BMP to distribute stormwater quality updates/advisories in water bill mailings.
3 Revised	WEB Site Public Service Postings	DPW	WEB Site Publication & Maintenance	No updates to website since previous permit year.	NSRWA information transfer and data publication of data, local WEB updates
Revised					

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 – Permit Year 10
4	Water Quality Testing	DPW	2 Rounds of Water Quality Sampling of Priority Water Bodies	Delaying further outfall sampling until receipt of new EPA Permit to ensure thoroughness of sampling program.	Performed water quality screening and testing of identified outfalls
Revised					
5	Community Cleanup Days	DPW	Annually	“Trash Bash” completed in Spring, 2012	“Trash Bash” planned for Spring 2013
Revised					
Revised					

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 – Permit Year 10
6 Revised	Catch Basin/Outfall and Receiving Water Mapping	DPW	GIS Mapping	Filled data gaps in mapping during the winter-spring of 2011-2012. GIS-located catch basins, outfalls, and manholes.	Completed.
4 Revised	Water Quality Testing	DPW	Testing of Priority Water Bodies	Delaying further outfall sampling until receipt of new EPA Permit to ensure thoroughness of sampling program.	Commence sampling in accordance with revised EPA permit
7 Revised	Regulatory Review	DPW, Planning Board, BOH, Con. Comm.	Regulatory Revisions and Action	Drafted BOH regulation for BOH approval.	Completed
8 Revised	Permit Enforcement	DPW, Planning Board, BOH, Con. Comm.	Local Construction Site Oversight and Enforcement	Ongoing to comply with local bylaws, state and federal requirements.	Ongoing to comply with local bylaws, state and federal requirements.
9 Revised	Misconnection/Illegal Dumping and Correction	DPW, BOH	Connectivity Mapping, Bylaw Enforcement and Fines	IDDE Plan being drafted to comply with draft EPA Permit requirements.	Complete IDDE Plan

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 – Permit Year 10
7 Revised	Regulatory Review	DPW, Planning Board, BOH, Con. Comm.	Regulatory Revisions to Bylaws as Necessary	Drafted local ordinance which met Town Planning Board and Conservation Commission approval. Awaits approval at Town Meeting	Approval of bylaw at Town Meeting in May, 2012.
8 Revised	Permit Enforcement	DPW, Planning Board, BOH, Con. Comm.	Local Construction Site Oversight and Enforcement	Ongoing to comply with local bylaws, state and federal requirements.	Ongoing to comply with local bylaws, state and federal requirements.
10 Revised	Improved As-Built Review	DPW, Planning Board	Electronic As-Built Submittals on Town GIS System	Improved review included in Bylaw revisions per BMP ID#8	Approval of bylaw at Town Meeting in May, 2012
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 9 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 10
7 Revised	Regulatory Review	DPW, Planning Board, BOH, Con. Comm.	Regulatory Revisions to Bylaws as Necessary	Drafted local ordinance which met Town Planning Board and Conservation Commission approval. Awaits approval at Town Meeting	Approval of bylaw at Town Meeting in May, 2012.
8 Revised	Permit Enforcement	DPW, Planning Board, BOH, Con. Comm.	Local Construction Site Oversight and Enforcement	Ongoing to comply with local bylaws, state and federal requirements.	Ongoing to comply with local bylaws, state and federal requirements.
Revised					

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 -- Permit Year 10
11 Revised	Improved Street Sweepings	DPW		Conducted during the Spring 2012	To be conducted during the Spring 2013
12 Revised	Improved Catch Basin Cleanings	DPW		All Catch Basins cleaned during this past Permit Year	Catch Basins cleaned during the Year 10 Permit Year.
13 Revised	Household Hazardous Waste Days	DPW		Waste Oil/Paint collected manifested off-site at the Town-run recycling area.	Continued collection of waste oil/paint at recycling area.
14 Revised	Drain Stenciling	DPW	Aquifer Protection Area	No stenciling conducted during this permit year.	Stenciling program scheduled to commence during the summer of 2012 in Aquifer Protection District.
18 Revised	Employee Training	DPW	Seminar Attendance	Attended Plymouth County Highway Association training on draft EPA Permit requirements.	Attend appropriate seminar to be identified

Additions

The Town of Norwell DPW coordinated with the Plymouth County Mosquito Control Program to remove blockages, brush and other obstructions from 400 linear feet of ditches and streams.

Part IV. Summary of Information Collected and Analyzed

The Town has reviewed the local, state and federal bylaws relative to stormwater and aquifer protection, and appears to be adequately regulated and in conformance with the Massachusetts Stormwater Management Policy. Minor revisions may be required for informing local project proponents of the Phase II one-acre NPDES requirement.

Permit Years 1 through 3 Activities and Information

During Permit Year One, the Town focused on preparing a Stormwater Management Plan (dated June 26, 2003). During Years Two and Three, the Town focused on obtaining local approval to borrow stormwater management funds (\$300,000) from the Massachusetts Water Abatement Trust State Revolving Fund Program; reviewing current regulations; improving local good housekeeping programs; and communicating the Town's Plan to local watershed associations. This required communication among the various departments in town.

Permit Year 4 Activities and Information

During Permit Year 4, the Town obtained funding through the Massachusetts Water Abatement Trust State Revolving Fund for \$300,000. Using this funding, the Town developed a scope of work to initiate the activities outlined in the Storm Water Management Plan and began implementing those activities, including the completion of an aerial flyover of the Town and the development of full planimetric mapping of the Town. This mapping is being used as the basis for the development of town-wide drainage system mapping and the performance of outfall inspections and water quality screening and testing as outlined in the DEP approved scope of work.

Permit Years 5 and 6 Activities and Information

During Permit Years 5 and 6, the Town successfully completed its aerial planimetric mapping program, and mapped and sampled its stormwater drainage system and outfalls. The water quality screening and testing program was conducted in accordance with a DEP-approved scope of work.

The Town provided updates to the public through water bill mailings and postings on the local Web site, and continued to work with local watershed associations on possible funding sources and ways in which to promote volunteerism. The Town took part in employee training seminars sponsored by the Plymouth County Highway Association and continued to improve its good housekeeping programs.

Permit Years 7 thru 9 Activities and Information

During Permits Years 7, 8, and 9, the Town updated its local bylaws and finalized mapping of its MS4 system including outfalls, catch

basins, manholes and Stormwater BMP's. All MS4 system updates were loaded into the Town's GIS system, with the conditions/photos and previous sampling results of the outfall structures. Additionally during this period, the Town completed drafting a Stormwater Pollution Prevention Plan for its Highway Garage. Work commenced on drafting the Illicit Discharge Detection Elimination (IDDE) Plan to be in accordance with the EPA's draft stormwater permit. This includes ranking of all catchment areas within the urbanized areas of the Town of Norwell.