Municipality/Organization: Town of Norwell, MA

EPA NPDES Permit Number:

MaDEP Transmittal Number: W-035900

Annual Report Number
& Reporting Period: No. 4: March 06-March 07

NPDES PII Small MS4 General Permit Annual Report

Part I. General Information

Contact Person: **Paul Foulsham** Title: **Highway Surveyor/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: **Paul M. Foulsham**

Title: **Highway Surveyor/Director**

Date: **April 30, 2007**

Part II. Self-Assessment

In general, the Town of Norwell's stormwater management activities for the four years of the General Permit (March 2003 through March 2007) have 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 2003-2008 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 will focus 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 will continue 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 will also focus 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 will be to keep abreast of the latest technology and approaches to achieve storm water management. Program activities will also strive to encourage environmental stewardship and continue to build on partnerships with other agencies, neighboring towns, and the community for active participation in accomplishing the Program mission.

During Permit Year One, the Town focused on preparing a Stormwater Management Plan (dated June 26, 2003). During Year 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. The financing of the project is critical for the proposed program success. During Permit Year Four, the local funding was finalized and the town-wide mapping of the town's stormwater system was initiated. In addition, the town has begun its outfall inspection program as part of the illicit discharge detection requirement.

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 4 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 5
1	Partnership with local Watershed Associations	Con. Comm., DPW, BOH	Regular Meeting Attendance	Coordinate with South Coastal and Weymouth/Weir Watershed Associations, seek alternative funding opportunities (such as 604b and 319 grants).	Continue to coordinate with South Coastal and Weymouth/Weir Watershed Associations, seek alternative funding opportunities (such as 604b and 319 grants).
Revised					
2	Develop Brochures	DPW	Quarterly Mailings	Received Town Meeting approval to obtain funding from Massachusetts Water Abatement Trust, distributed water department mailings and water quality updates.	Continue to distribute water department mailings and water quality updates.
Revised					
3	WEB Site Public Service Postings	DPW	WEB Site Publication & Maintenance	Received Town Meeting approval to obtain funding from Massachusetts Water Abatement Trust.	NSRWA information transfer and data publication of data, local WEB updates
Revised					
Revised					
Revised					
Revised					

1a. Additions

2. Public Involvement and Participation

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 4 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 5
4	Water Quality Testing	DPW	2 Rounds of Water Quality Sampling of Priority Water Bodies	Received Town Meeting approval to obtain funding from Massachusetts Water Abatement Trust and DEP scope of work approval	Perform water quality screening and testing of identified outfalls
Revised					
5	Community Cleanup Days	DPW	Annually	Received Town Meeting approval to obtain funding from Massachusetts Water Abatement Trust and DEP scope of work approval	Scheduled for Spring 2007
Revised					
Revised					
Revised					
Revised					
Revised					

2a. Additions

3. Illicit Discharge Detection and Elimination

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 4 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 5
6	Catch Basin/Outfall and Receiving Water Mapping	DPW	GIS Mapping	Received Town Meeting approval to obtain funding from Massachusetts Water Abatement Trust and DEP scope of work approval	Perform during Year 5
Revised					
4	Water Quality Testing	DPW	Testing of Priority Water Bodies	Received Town Meeting approval to obtain funding from Massachusetts Water Abatement Trust and DEP scope of work approval	Perform during Year 5
Revised					
7	Regulatory Review	DPW, Planning Board, BOH, Con. Comm.	Regulatory Revisions and Action	Received Town Meeting approval to obtain funding from Massachusetts Water Abatement Trust and DEP scope of work approval	Perform during Year 5
Revised					
8	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					
9	Misconnection/Illegal Dumping and Correction	DPW, BOH	Connectivity Mapping, Bylaw Enforcement and Fines	Received Town Meeting approval to obtain funding from Massachusetts Water Abatement Trust and DEP scope of work approval	Complete GIS mapping and continued local bylaw enforcement
Revised					

3a. Additions

4. Construction Site Stormwater Runoff Control

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 4 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 5
7	Regulatory Review	DPW, Planning Board, BOH, Con. Comm.	Regulatory Revisions to Bylaws as Necessary	Received Town Meeting approval to obtain funding from Massachusetts Water Abatement Trust and DEP scope of work approval	Finalize draft set of consolidated regulations of applicable stormwater and aquifer protection regulations
Revised					
8	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					
10	Improved As-Built Review	DPW, Planning Board	Electronic As-Built Submittals on Town GIS System	Received Town Meeting approval to obtain funding from Massachusetts Water Abatement Trust and DEP scope of work approval	Complete GIS mapping
Revised					
Revised					
Revised					
Revised					

4a. Additions

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 4 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 5
7	Regulatory Review	DPW, Planning Board, BOH, Con. Comm.	Regulatory Revisions to Bylaws as Necessary	Received Town Meeting approval to obtain funding from Massachusetts Water Abatement Trust and DEP scope of work approval	Finalize a draft set of consolidated regulations of applicable stormwater and aquifer protection regulations
Revised					
8	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					
Revised					
Revised					
Revised					
Revised					

5a. Additions

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 4 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 5
11	Improved Street Sweepings	DPW		Semi-annual Collections	Semi-annual Collections
Revised					
12	Improved Catch Basin Cleanings	DPW		Semi-annual Collections	Semi-annual Collections
Revised					
13	Household Hazardous Waste Days	DPW		Annual Collection	Annual Collection
Revised					
14	Drain Stenciling	DPW	Aquifer Protection Area	Received Town Meeting approval to obtain funding from Massachusetts Water Abatement Trust and DEP scope of work approval	Complete GIS mapping and stencil drains in Aquifer Protection Area
Revised					
Revised					
Revised					

6a. Additions

18	Employee Training	DPW	Seminar Attendance		Attend appropriate seminar to be identified

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

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 4 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 5
6	GIS Mapping	DPW	GIS Mapping of Priority Waters and Drainage Patterns	Received Town Meeting approval to obtain funding from Massachusetts Water Abatement Trust and DEP scope of work approval. Aerial photography serving as basis for Assessor Mapping updates and connectivity of drainage system mapping.	Complete GIS Mapping
Revised					
4	Water Quality Testing	DPW	Semi-Annual Water Quality Testing	Received Town Meeting approval to obtain funding from Massachusetts Water Abatement Trust and DEP scope of work approval	Perform during Year 5
Revised					
15	Stormwater Modeling	DPW	Needs Assessment for Category 5 Water Bodies	Received Town Meeting approval to obtain funding from Massachusetts Water Abatement Trust and DEP scope of work approval	Complete during Year 5
Revised					
16	Misc. Structural BMPs as Needed	DPW	i.e. Construction Improvements	None to date	To be determined
Revised					
17	Misc. Non-Structural BMPs as Needed			None to date	To be determined
Revised					
Revised					

7a. Additions

7b. WLA Assessment

To date, the Town has focused on completing GIS mapping of the drainage system and receiving waters, as approved by the DEP, and water quality screening and testing from the outfall locations that have been mapped.

A more detailed WLA assessment and Land Use Evaluation will follow.

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 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.

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