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Municipality/Organization: Town of Halifax, MA

EPA NPDES Permit Number: MA 040977

MassDEP Transmittal Number: W-040977

Annual Report Number & Reporting Period: No. 4: March , 2006 - March 2007

NPDES PII Small MS4 General Permit Annual Report

Part I. General Information

Contact Person: Rose Campbell 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: Charles Seelig

Title: Town Administrative

Date: April 17, 2007

Part II. Self-Assessment

In general, the Town of Halifax's stormwater management activities for the third year of the General Permit (March 2006 through March 2007) were in conformance with the Notice of Intent (Massachusetts DEP form BRP WM 08A) and schedule submitted in July 2003. The Town has developed a Stormwater 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 in 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 stormwater 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 on accomplishing the Program mission.

During Permit Year Three, the Town focused on the prepared Stormwater Management Plan; in obtaining local funding: mapping catch basins; reviewing current regulations; improving local food housekeeping programs; and communication the Town's Plan to local watershed associations. This required communication among the various departments in town. Continued financing of the project is critical for the proposed program success. The long-range scope of work required a meeting by our consultant (Environmental Partners Group) with the Massachusetts Department of Environmental Protection on March 16, 2004.

The DEP –approved scope of work will focus on GIS mapping and outfall screening and sampling. The Town has partnered with Old Colony Planning Council (OCPC) for developing a new Geographic Information System (GIS) of the storm drain system, receiving

Part III. Summary of Minimum Control Measures

I. 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	Taunton River Watershed Association (TRWA)	Continued updating, seek alternative funding opportunities (such as 604b and 319 grants, and SRF Funding
Revised					
2	Develop Brochures	DPW	Quarterly Mailings	Water department mailings and water quality updated.	Continued mailings.
Revised					
3	WEB Site Public Service Postings	IT Dept., DPW	WEB Site Publication & Maintenance	TRWA information transfer and date publication of data, local WEB updates	TRWA information transfer and data publication of data, local WEB updates
Revised					
Revised					
Revised					
Revised					

Ia. 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	Purchased a handheld Trimble unit for mapping catch basins and outfalls which are downloaded onto the Town's GIS program.	Continued mapping on Trimble unit.
Revised					
4	Water Quality Testing	DPW	Testing of Priority Water Bodies	No funding available.	Seek funding and initiate dry weather and wet weather field screenings of outfalls.
Revised					
7	Regulatory Review	DPW, Planning Board, BOH, Con. Comm	Regulatory Revision and Action	Continued to review applicable stormwater and aquifer protection regulations	Finalize consolidated regulations and investigate areas for revisions
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, Planning Board, BOH, Con. Comm.	Local Construction Site Oversight and Enforcement	Began GIS mapping and continued local bylaw enforcement	Continue GIS Mapping and continue local bylaw enforcement
Revised					
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	Review of applicable stormwater and aquifer protection regulations.	Finalize consolidated regulations and investigate areas for revisions.
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	Continue GIS Mapping	Continue GIS mapping and develop protocol for submitting As-Builts electronically
Revised					
Revised					
Revised					
Revised					

4a. 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 Sweeping	DPW		Semi-annual Collections	Semi-annual Collections
Revised					
12	Improved Catch Basin Cleanings	DPW		Annual Collections	Annual Collection
Revised					
13	Household Hazardous Waster Days	DPW		Annual Collections	Annual Collections
Revised					
14	Drain Stenciling	DPW	Aquifer Protection Area	GIS Mapping underway to locate catch basins	Continue GIS mapping and stencil drains in Aquifer Protection Area
Revised					
Revised					
Revised					

6a. Additions

18	Employee Training	DPW	Seminar Attendance	Attended GIS Mapping and Good housekeeping Training Seminars Sponsored by Plymouth County Highway Association	Will implement seminar topics and will continue to attend applicable Plymouth County Highway Association seminars.

7b. WLA Assessment

To date, the Town has focused on available funding sources. GIS mapping of the drainage system and receiving waters has begun and water quality testing will commence in the coming year if funding becomes available. WLA assessment will follow.

Part V. Program Outputs & Accomplishments (OPTIONAL)
(Since beginning of permit coverage unless specified otherwise by a **, which indicates response is for period covering April 1, 2006 through March 31, 2007)

Programmatic

	(Preferred Units)	Response
Stormwater management position created/staffed	(y/n)	
Annual program budget/expenditures **	($)	
Total program expenditures since beginning of permit coverage	($)	
Funding mechanism(s) (General Fund, Enterprise, Utility, etc)		

Education, Involvement, and Training

Estimated number of property owners reached by education program(s)	(# or %)	
Stormwater management committee established	(y/n)	
Stream teams established or supported	(# or y/n)	
Shoreline clean-up participation or quantity of shoreline miles cleaned **	(y/n or mi.)	
Shoreline cleaned since beginning of permit coverage	(mi.)	
Household Hazardous Waste Collection Days		
▪ days sponsored **	(#)	
▪ community participation **	(# or %)	
▪ material collected **	(tons or gal)	
School curricula implemented	(y/n)	

Legal/Regulatory

	In Place Prior to Phase II	Reviewing Existing Authorities	Drafted	Draft in Review	Adopted
Regulatory Mechanism Status (indicate with "X")					
▪ Illicit Discharge Detection & Elimination					

Tickets/Stop work orders issued **	(# or %)	
Fines collected **	(# and $)	
Complaints/concerns received from public **	(#)	

Post-Development Stormwater Management

Estimated percentage of development/redevelopment projects adequately regulated for post-construction stormwater control	(%)	
Site inspections (for proper BMP installation & operation) completed **	(# or %)	
BMP maintenance required through covenants, escrow, deed restrictions, etc.	(y/n)	
Low-impact development (LID) practices permitted and encouraged	(y/n)	

Operations and Maintenance

Average frequency of catch basin cleaning (non-commercial/non-arterial streets) **	(times/yr)	
Average frequency of catch basin cleaning (commercial/arterial or other critical streets) **	(times/yr)	
Qty of structures cleaned **	(#)	
Qty. of storm drain cleaned **	(%, LF or mi.)	
Qty. of screenings/debris removed from storm sewer infrastructure **	(lbs. or tons)	
Disposal or use of screenings (landfill, POTW, compost, beneficial use, etc.) **	(location)	

▪ Fertilizers	(lbs. or %)	
▪ Herbicides	(lbs. or %)	
▪ Pesticides	(lbs. or %)	
Integrated Pest Management (IPM) Practices Implemented	(y/n)	

	(Preferred Units)	Response
Average Ratio of Anti-/De-Icing products used ** (also identify chemicals and ratios used in specific areas, e.g., water supply protection areas)	% NaCl % $CaCl_2$ % $MgCl_2$ % CMA % Kac % KCl % Sand	
Pre-wetting techniques utilized **	(y/n or %)	
Manual control spreaders used **	(y/n or %)	
Zero-velocity spreaders used **	(y/n or %)	
Estimated net reduction or increase in typical year salt/chemical application rate	(±lbs/ln mi. or %)	
Estimated net reduction or increase in typical year sand application rate **	(±lbs/ln mi. or %)	
% of salt/chemical pile(s) covered in storage shed(s)	(%)	
Storage shed(s) in design or under construction	(y/n or #)	
100% of salt/chemical pile(s) covered in storage shed(s) by May 2008	(y/n)	

Water Supply Protection