

Municipality/Organization: WAYLAND, MASSACHUSETTS
EPA NPDES Permit Number: MAR041169
MassDEP Transmittal Number: W-041312
Annual Report Number & Reporting Period: April 1, 2010 – May 1, 2011

NPDES PII Small MS4 General Permit Annual Report (Due: May 1, 2010)

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: Frederic Turkington

Title: Town Administrator

Date: August 29, 2011

Part II. Self-Assessment:

This report has been prepared to summarize stormwater activities in the Town of Wayland for the past year. This narrative includes a summary of the activities that various boards and Commissions involved in stormwater and water quality have been conducting. Such boards include the Conservation Commission, Board of Health, the Surface Water Quality Committee (SWQC), the Public Works Board, and the Planning Board. The Planning Board, through subdivision review, has a role in reviewing proposed best management practices (BMPs) with some design standards relating to storm events. The Conservation Commission has standards that relate directly to water quality. Through the Massachusetts Wetlands Protection Act the Commission evaluates BMPs based upon the design for total suspended solids removal as a target for pollutant reduction. The Surface Water Quality Committee (SWCQC) also engages in planning activities as well as efforts directly related to the health and wellbeing of larger bodies of water in Wayland – in particular, Dudley Pond, Lake Cochituate, and Heard Pond. The SWQC oversees actual projects related to invasive weed removal. The SWQC has increasingly been evaluating contributing factors to the nutrient loads in the water bodies which includes an on-going assessment of drainage – both from point and non-point sources. The Town also had a Well-head Protection Committee that prepared a report addressing impacts to the water supply from town’s wells.

The Town voted capital funds at the April 2011 Annual Town meeting for expenditures that will improve the management of stormwater in the Town of Wayland. Approximately \$300,000 was appropriated to acquire a Vactor truck which will be used to clean catch basins, drain pipes, and as applicable where the town is responsible, existing BMPs. In addition, money was appropriated to finalize mapping of the drainage system north of Route 20 in the town. Previous funds were expended without completing the mapping.

The Department of Public Works (DPW), including the Highway division, and the Water division, is involved in implementation of stormwater practices, maintenance of stormwater BMPs. The water division is also concerned with both resource protection and, in some instances the installation of BMPs. There was a Wellhead Protection Committee that had been looking at ways to improve protection of the Town’s water supply and who prepared a report for consideration by others. The report included evaluating impacts to the Town’s water supply from various activities and uses.

The Town is constructing a new waste water treatment plant which improves the discharge of water to the Sudbury River. Construction of the plant is underway. The Town, through the Conservation Commission, completed its evaluation of roadway work associated with the largest commercial development in the community and that review included, to the extent possible, installation of BMPs that will improve discharges to the receiving waters.

The new high school construction, which could have been presented as redevelopment, instead includes the following features: removal of asphalt from the Zone I of well fields, pulling back drainage outfalls from the existing stream, and BMPs compliant with the MA DEP 80% TSS removal. This work is to be completed by within the next year. Portions of the work have already been done. The DPW is seeking a blanket permit to allow work on the drainage system without having individual applications that are reviewed under the Wetlands Protection Act and Wetlands Bylaw.

The Town has made a commitment to reduce the use of phosphates on town land along the Sudbury River. Documentation of reduced use of phosphates would be through the Department of Public Works now overseeing the maintenance of recreational facilities. The Town had a separate SWPPP for the former landfill facility, which was operated as a landfill, and is now operating as a transfer station under the DPW. The Town is completing the process of capping of the landfill. The capping process included improving some of the on-site BMPs where runoff from the capped landfill will discharge.

The Town is in the final stages of construction of a new high school. As was noted previous, many water quality measures were implemented as part of the construction – both for during construction activities as well as drainage from new parking lots at the new high school. There is a large parking lot that is to be removed (a final phase of construction as some of the new parking will be where the existing buildings are located) which will improve water quality by removing impervious surface from an area close to the stream. The natural area is to be maintained as a meadow which would not require the use of fertilizers, improving runoff from the site by the new use of this buffer area.

The Town of Wayland adopted a Stormwater Bylaw at their April 2008 Annual Town Meeting. The purpose of the Bylaw, as stated in the text is to: protect the quantity and quality of water recharge to our Town's water supply aquifers; protect our cold water fisheries and other designated outstanding water resources from discharges of toxic pollutants, nutrients, and temperature changes; and protect our streams, rivers, and private property from additional flood damage from changed flow patterns. The Commission is working with a consultant to continue to move forward on implementing more of the Bylaw.

The Town continues to need to consider a program for the detection of illicit discharges – which would likely be incorporated into any proposed amendments to the existing Stormwater Bylaw or in regulations now being explored by the Conservation Commission.

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 8 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 9
PEO-3	SuAsCo			Distribute material as appropriate	Continue to participate in SuAsCo
Revised					
Revised					
PEO-2	Stormwater Flyer	SuAsCo	Flyer	Continues to be available.	Explore options for other means of education and outreach.
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 8 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 9
Revised					

PP-2 Revised	Storm water web page	All	Link or links on Town of Wayland Web page	Check links, add additional material	Continue same
Revised					

2a. Additions

PP-4	Interdepartmental Coordination	Land Use Depts.	Compatible standards and implementation	Reviewing application intended to address flooding.	Report on Progress for this goal

3. Illicit Discharge Detection and Elimination

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 8 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 9
IDE-1 Revised	Storm water Mapping	ConCom/GIS, Others	Have map available	Working with new GIS system to attempt to get improved access to data.	Funding obtained to complete mapping – process to begin to secure consultant.
IDE-3 St	Illicit Discharge Detection	All Town Depts.	Identification of illicit discharges	Some data collection done during permitting process	
Revised					
IDE-3	Illicit Discharge Detection	All Town Depts.	Coordinate efforts to identify illicit discharges	Work with DPW and various groups in DPW to coordinate effort for identifying illicit discharges	Continue effort

Revised							
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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 8 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 9
Revised					
BMP CSW-3	Dept. site inspections	Planning Bd, Con. Comm.	Site inspections	Site inspections done by Staff and also a requirement of permits issued by ConCom.	Continue same procedures. Tracking system being explored to use internally on GIS system for site inspections.
Revised					

4a. Additions

BMP-1A	Implementation of Stormwater Bylaw	Conservation and others	Creation of permit with general conditions for erosion control	Outline has been prepared. Hearing needs to be held to create a permit for applicable parties.	Have permit in place and a record of applications.

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 – Permit Year 8
GH-1 Revised	Develop controls for reducing discharge	Various Depts.	On-site implementation	Depts. are generally aware of requirements and using BMPs	Seek continued compliance
GH-2 Revised	Landfill SWPPP	Board of Health	By others	On going.	Continue to maintain BMPs at site.
Revised					
GH-4 Revised	Record depository	Undef	Annual Reports	Reporting sent late	Send Year 7 Report w/in month of deadline
Revised					
Revised					

5a. Additions

GH-7	Coordinated O&M efforts for BMPs	Land Use Dept and DPW	Undefined – Land Use minutes, anecdotal	New Goal	Report on status of coordination with planning/permitting, and implementation among Town Depts.
GH-8		DPW	Use of vactor for bmp maintenance.		Define means of tracking use of new Vactor equipment for bmp maintenance.

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 – Permit Year 8

GH-2 Revised	Landfill O&M	B.O.H.	Submission of report	Report was submitted	Capping of landfill being done. Facility being operated as transfer station.
GH-3 Revised	Interdepartmental Coordination	Various Town Depts.	Identifiable activities or exercises		
Revised					
Revised					

6a. Additions

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 7 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 8
Revised					
Revised					

Revised						
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7a. Additions

7b. WLA Assessment: Currently no TMDL applicable however, with new permit Charles River Basin may have TMDL. Conservation Commission, through assessment of drainage, considers water quality and attempts to ascertain if WLA are applicable.