

Municipality/Organization: WAYLAND, MASSACHUSETTS

EPA NPDES Permit Number: MAR041169

MassDEP Transmittal Number: W-041312

**Annual Report Number
& Reporting Period:** April 1, 2013 – May 1, 2014

NPDES PII Small MS4 General Permit Annual Report (Due: May 1, 2014)

Part I. General Information

Contact Person: Brian Monahan Title: Conservation Administrator

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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: John Senchyshyn

Title: Acting Town Administrator/Assistant Town Administrator

Date: April 30, 2014

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. The 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 Conservation Commission, in reviewing all plans, seeks to determine changes in impervious surfaces, seeks to address both impacts to wetlands and water bodies during construction as well as long-term impacts resulting from changes in a site. There was a large town project, the DPW building, where drainage mitigation was a focus of concern. While the site is outside the urbanized area the standards for drainage were still applicable. The Commission also tries to monitor construction sites one acre or larger in size and whether these projects are applying for the appropriate permits. The Commission has sought the assistance of other agencies where permits have not been obtained.

There is a continuing effort to create a set of regulations that would be used to better implement the local Stormwater and Land Disturbance Bylaw (Wayland's Chapter 193). Looking at sample regulations and regulations from other towns has been useful in assessing whether Wayland should consider amending this Bylaw that was first adopted in April, 2008. This consideration results from assessing the thresholds of the Bylaw as written, anticipating some possible changes in the current MS4 permit with a resulting need to more clearly quantify changes impacting the urbanized areas as well as runoff to the town's wetlands and waterways.

The Surface Water Quality Committee (SWQC) 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 eradication. The SWQC has increasingly been evaluating contributing factors to the nutrient loads in the water bodies which includes an ongoing assessment of drainage – both from point and non-point sources. The SWQC is undertaking a project to evaluate the condition of catch basins around Dudley Pond. We are working in collaboration with the DPW on an initial phase: We will inspect/photograph the basins on Simpson Road leading to the pond before they are cleaned out. As these basins are cleaned, we will accompany the process and do a quick inspection after cleaning. We are attempting to develop a process which minimizes extra time required of the

DPW, but give us information for establishing BMPs, scheduling cleaning, repairs and replacements of stormwater control structures, near water bodies.

The Department of Public Works continued to work in conjunction with the company Utility Cloud as well as the Towns Conservation, and G.I.S. departments to locate, categorize, and map storm water assets and infrastructures. As it continues to be a work and progress currently we have located and mapped 425 Catch basins, 210 Man holes, 265 Drain pipes, 2 Leaching tanks, and 33 Outfalls. The following is some of the maintenance and the continued progress for 2013:

- Contracted cleaning of all Towns Catch basins
- DPW cleaned and mapped 210 Man holes
- DPW cleaned and mapped Drain pipes between Man holes and to Outfalls
- DPW Sweeps all Town Roads twice a year or as needed
- Rebuilt, Replaced Culvert across Old Sudbury Road
- Replaced drainage pipe at the Town Depot Building
- Installed 3 new Man holes at The Town Depot Building
- Reduced the amount of sand by more than 50% used in the Winter Road treatments

There should be a more formal process to assure the mapping of the drainage system is completed. The process of getting the drainage system information, particularly for the northern part of Wayland, is continuing with an expectation that the town's GIS can be updated with the information over the next year or two. Data continues to be collected with a goal to put the information on the GIS system to be used by all departments in the Town.

A large new commercial and residential development, the so-called Town Center, has become functional. The Conservation Commission is in the process of reviewing the functioning of the drainage bmps, assessing who will take responsibility for the maintenance of each BMP, and signing off on the project. In conjunction with the on-site development four BMPs were added to Route 20 and/or Route 27, associated with improvements to these roadways. Adjustments are being made to two BMPs after as-built conditions revealed a need for some changes. All of the BMPs will improve runoff to the surface waters that flow into the Sudbury River.

On an annual basis the Town reviews streets for consideration as public ways. These generally are roadways built as part of the subdivision of land. During the process this past year the Board of Public Works sought information regarding the status of the drainage and as well as what might exist for bmps. This process furthered the dialogue between Boards and Commissions who each have a roll with Stormwater. And, as has been added as a task, the process also illustrates two

additional needs: defining what each board or commission's roll is with stormwater i.e. regulatory, maintenance, review, including what standards that board or commission applies to the review as well as the need to have a system that tracks Operations and Maintenance requirements for many of the brmps associated with projects and subdivisions approved by the various boards.

The Town continues its 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.

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 11 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 12
PEO-3	SuAsCo			Evaluate the effectiveness of participation in SuAsCo	Status of continued participation is not known – presumed to have ended.
Revised					
Revised					
PEO-2	Stormwater Flyer	SuAsCo	Flyer	Explore options for other means of education and outreach.	Use of web page and tax bill inserts as well as participation in community events.
Revised					
Revised					
Revised					

1a. Additions

PEO 3	Introduction to possible changes to MS4 Permit	ConCom and others	Press release on proposed changes	Create a press release or summary document and circulate it when new Permit is promulgated.	Unclear when new MS4 Permit is to be effective and it will require additional changes to this plan.

2. Public Involvement and Participation

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 11 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 12
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-3	Interdepartmental Coordination	Land Use Depts.	Compatible standards and implementation	Participated in any convened Land Use meeting. Contact other permitting departments about existing Stormwater and Land Disturbance Bylaw.	Continued participation in meetings. Prepare a chart of each applicable department/Board roll in drainage and stormwater.
PP-4	Coordination of regulatory boards	BOPW, BOH, CONCOM, et.al	Meeting attendance by representative - minutes	New goal – initial evaluation will be based upon attendance at other board meetings	Continued work with other permitting or review Boards and/or Commissions.

3. Illicit Discharge Detection and Elimination

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) -- Permit Year 11 (Reliance on non-municipal partners indicated, if any)	Planned Activities -- Permit Year 12
IDE-1 Revised	Storm water Mapping	ConCom/GIS, Others	Have map available	Funding expended for new data layers and town is internally working on drainage layer.	Add data as developed to the Town'
IDE-3 St	Illicit Discharge Detection	DPW	Identification of illicit discharges	Some data collection done during permitting process	Report on activities of DPW as a result of drainage system maintenance
IDE-3 Revised	Illicit Discharge Detection	All Town Depts.	Coordinate efforts to identify illicit discharges	Review information collected by the DPW as part of their drainage maintenance program	Evaluate the effectiveness of data collection to date.
Revised					

3a. Additions

IDE-4	Amend or Adopt Bylaw	ConCom/Town Meeting	Create report with outline of changes to improve addressing illicit discharges		Consider amendments to Stormwater Bylaw or new Illicit Discharge Bylaw

4. Construction Site Stormwater Runoff Control

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) -- Permit Year 11 (Reliance on non-municipal partners indicated, if any)	Planned Activities -- Permit Year 12

Revised							
BMP CSW- 3 Revised	Dept. site inspections	Planning Bd, Con. Comm. Add BOH and Building	Site inspections	Limited use of a tracking system – effectiveness not clear.	Evaluate and report on other means of inter-departmental cooperation and communication and report on same.		
Revised							

4a. Additions

BMP- IA	Implementation of Stormwater Bylaw	Conservation and others	Creation of regulations and general permit	Discussions on regulations, review of sample regulations, and other town's regulations.	Have regulations and general permit operational.		
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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 11 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 12
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 SWPP	Public Works Board	By others	Ongoing.	Continue to maintain BMPs at site.
Revised					

GH-4 Revised	Record depository	Undefined	Annual Reports	Reporting by deadline	Assess reporting methodology for more effective tool. Submit report by 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.	Use of vactor just beginning	Evaluate data collection methods being used as a tool for tracking 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 12 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 11
GH-2 Revised	Interdepartmental Efforts	B.O.H./Conservation/Public Works/Building Department		Report was submitted	Capping of landfill being done. Facility being operated as transfer station. Will assess any further needs or requirements
GH-3 Revised		Various Town Depts.	Identifiable activities or exercises		
GH3 Revised	Development of Stormwater Regulations	ConCom	Set of regulations and general permit		Create regulations and general permit

Revised				
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6a. Additions

GH#	Interdepartmental Coordination	B.O.H./Conservation/Public Works/Building Department		

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 10 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 11
Revised					
Revised					

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. Aware of no change in status of TMDL. Consideration of phosphorous removal by ConCom, Surface Water and others continues to be applicable. NO CHANGE IN THIS AT THE PRESENT TIME.