

Rec'd
5/3/10
P

Municipality/Organization: Town of Weston

EPA NPDES Permit Number: MAR041068

MaDEP Transmittal Number: W-035252

**Annual Report Number
& Reporting Period:** No. 7: March 2009-March 2010

NPDES PII Small MS4 General Permit Annual Report

Part I. General Information

Contact Person: Stephen R. Fogg, P.E. **Title:** Town Engineer

Telephone #: 781-893-7320 x345 **Email:** fogg.s@westonmass.org

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: Donna VanderClock

Title: Town Manager

Date: April 30, 2010

Part II. Self-Assessment

The Town of Weston has completed the required self-assessment and has determined that our municipality is in compliance with all permit conditions, except for the following provisions:

BMP 1-6, Outreach to Private Ways, has only been partially completed. The Town Engineer has been in communications with the Weston Roads Trust, which owns and manages several miles of private ways and their associated drainage systems.

Part II.B.4. BMP 4-1, Erosion and Sediment Control Bylaw, has been deferred until Town Meeting in the fall of 2010 or spring of 2011. The Stormwater Committee has been meeting since the fall of 2007 with the goal to establish the language of the bylaw and how it will be enforced.

Part II.B.5. BMP 5-1, Erosion and Sediment Control Bylaw, has been deferred until Town Meeting in the fall of 2010 or spring of 2011. The Stormwater Committee has been meeting since the fall of 2007 with the goal to establish the language of the bylaw and how it will be enforced.

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 7 (09-10) (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 8 (10-11)
1-1	Flyer to residents	SUASCO WCC and SRF	Distribute to 75% of residents	Completed in year 1	
Revised					
1-2	Lesson Plan for Fifth Graders	SUASCO WCC and SRF	Lesson plan taught	Lesson plan continuing in schools	Re-assess if lesson plan is effective and being fully used
Revised	Plan to be taught in 4 th grade				
1-3	Media Campaign	SUASCO WCC and SRF	Media packet given to press	none	
Revised					
1-4	Flyer to Businesses	SUASCO WCC and SRF	Distribute to 50% of businesses	None – completed in year 4	None
Revised			Distribute to 100% of businesses		
1-5	Video	SUASCO WCC and SRF	Show video at public meeting		
Revised	<i>“Stormwater Matters Outreach and Participation Campaign”</i>	SUASCO	Implement stormwater advertising campaign	Ad campaign displayed at Annual Town Meeting May 2008 and in Town Hall since May 2008	

1a. Additions

1-6	Outreach to Private Ways	DPW	Develop and send correspondence to road trusts and private way owners about stormwater issues	Communications established and objectives stated with Roads Trust	Follow up as necessary
1-7	Illicit Discharge Detection and Elimination By-Law	Stormwater Working Group	Hold public meeting to describe proposed bylaw and regulations	By-law drafted and public meeting held	On warrant for 2010 Annual Town Meeting, May 10, 2010
1-8	Public Presentations	Conservation Agent	Make presentation to community groups about stormwater	Presentation made to Weston Garden Club and Weston Land Trust	Continue as opportunities arise; possible library presentation

2. Public Involvement and Participation

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 7 (09-10) (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 8 (10-11)
2-1	Traveling Display	SUASCO WCC and SRF	3 months on display	None - Completed in year 1	Use display as opportunity arises
Revised					
2-2	Poster contest (5 th grade)	SUASCO WCC and SRF	Hold contest	Contest rules provided to School Dept.	None
Revised					
2-3	Summit Event	SUASCO WCC and SRF	Hold local stormwater summit meeting	none	none
Revised					
2-4	Photo contest (High School)	SUASCO WCC and SRF	Hold contest	None	None – being considered for next permit cycle
Revised					
2-5	Super—summit event	SUASCO WCC and SRF	Participate in regional “super-summit”		
Revised	“ <i>Stormwater Matters Outreach and Participation Campaign</i> ”	SUASCO	Implement stormwater advertising campaign	Ad campaign displayed at Annual Town Meeting May 2008 and in Town Hall since May 2008	

2a. Additions

2-6	Stream team survey of Seaverns Brook	SRF and stream team	Complete survey	None	Provide GIS mapping and complete survey
Revised	<i>Stream team survey of Hobbs Brook</i>	Weston Girl Scouts	Complete survey	Survey completed, April 2008	
2-7	Catch basin stenciling program	SRF	Volunteer group(s) to install 180 storm drain markers in selected locations	Markers installed in key areas by Weston Girl Scouts	Continue program to other areas of Town

3. Illicit Discharge Detection and Elimination

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 7 (09-10) (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 8 (10-11)
3-1	Stormwater System Mapping	DPW	Complete mapping of stormwater system over a 3 year period	None – completed during year 3	Completion of stormwater system mapping using GPS to construct pipe network
3-2	Dry weather screening of outfalls	DPW	Visual inspection/report of known outfalls, 33% each year	None – outfalls inspected during year 3	Re-inspect outfalls and document changes from last inspection
3-3	Illicit Discharge Elimination	DPW, Board of Health	Trace non-stormwater flows and eliminate within 1 year	none	Sample flowing outfalls using IDDE protocol
3-4	Water Quality Monitoring	Cambridge Water Supply	Obtain results of regular monitoring	Water quality data summary from CWS - See Attachment A	Same as year 5
3-5	Amend Stormwater regulations	DPW	Amended regulations adopted at 2003 Annual town Meeting	Goal met	Proposed Illicit Discharge bylaw to be voted on at spring '10 town meeting
Revised			Amended regulations adopted at 2006 Annual Town Meeting	Goal met to expand coverage to include impacts from private ways and impacts to water bodies from construction	
3-6	Septic System Monitoring Program	Board of Health	Develop, implement and enforce septic pumping	BOH not planning to institute mandatory pumping	
Revised			System in place to identify frequent pumping	Database created and in use; frequent pumping locations are investigated	
3-7	Dechlorination of New Water Mains	DPW - Water Div.	Use dechlorination tablets when flushing new mains	Done during installation of North Ave water main	As needed
3-8	Trench Dewatering Policy	DPW	Require siltation control on all trench dewatering projects	Siltation control specified on all capital projects; controls used on DPW projects	As needed

4. Construction Site Stormwater Runoff Control

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 7 (09-10) (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 8 (10-11)
4-1	Erosion and Sediment Control Bylaw	Stormwater Working Group	Develop, implement and enforce bylaw	Bylaw and regulations drafted	Seek approval at town meeting in spring of 2011
Revised	<i>Incorporate provisions into Stormwater Regulations as policies</i>	DPW	All construction projects subject to Building Permit reviewed for compliance with policy	DPW inspector assigned to enforce policies	Same as year 5
4-2	Planning Board review of projects	Planning Board	All projects reviewed for compliance with runoff control measures	All applicants are required to demonstrate that they are addressing stormwater runoff control during construction	Same as prior years
4-3	Conservation Commission review of projects	Conservation Commission	All projects reviewed for compliance with runoff control measures	All applicants are required to demonstrate that they are addressing stormwater runoff control during construction	Same as prior years
4-4	Street Opening permit process	DPW	Inspections conducted for compliance with Stormwater Regulations	DPW inspector assigned to this task	Inspections documented and reported in annual report
4-5	Building Permit process	Building Dept.	Appropriate applicants referred to DPW for stormwater controls	permit tracking program put in place during 2007-08	Permit tracking continues

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 (09-10) (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 8 (10-11)
5-1	Erosion and Sediment Control ByLaw	DPW	Same as control measure 4-1	Bylaw and regulations drafted – see Attachment	Seek approval at town meeting in spring of 2010
Revised	<i>Incorporate provisions into Stormwater Regulations as policies</i>	DPW	All construction projects subject to Building Permit reviewed for compliance with policy	DPW inspector assigned to this task*	Projects documented and reported in annual report
5-2	DPW Runoff Control Policy	DPW	Development / redevelopment projects required to handle stormwater on-site	Plan review and inspection procedure in place; estimated that 75% of potential projects are being reviewed	Goal is 100% of applicable projects are reviewed and inspected
5-3	Compliance with stormwater O&M plans under Con Com review	Conservation Commission	Ensure compliance with post-construction stormwater O&M Plans	Any project approved under the Con Com's jurisdiction which increases impervious surfaces by 2,000 s.f. or more must demonstrate that there will be no increase in the rate or volume (offsite) of the 100 year storm. Applicants are required to submit a stormwater O&M plan and annual inspection checklist for the first year after construction	Con Com will not issue a Cert. of Compliance until the Applicant has completed a post-construction stormwater structure(s) inspection and submitted a completed maintenance checklist

* see Attachment B for spreadsheet of private stormwater BMPs

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 (09-10) (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 8 (10-11)
6-1	Street Sweeping	DPW	Sweep all public streets annually	All public streets swept at least once per year	Same as year 7
6-2	Catch Basin Cleaning	DPW	Clean all public catch basins annually	All public catch basins cleaned at least annually	Same as year 7
6-3	Drainage Improvement Projects	DPW	Incorporate structural BMPs into each project	Church Street project construction completed, including approx. 3,500 lin. ft. of drainage and road improvements, incorporating stormwater BMPs	Concord Road design ongoing 5 year capital plan to be developed
6-4	DPW Housekeeping	DPW	Conduct environmental audit, implement recc.	Completed	none
<i>Revised</i>	<i>Environmental Management System</i>	<i>DPW</i>	<i>Develop and Implement Environmental Management System</i>	<i>Continual improvements to EMS and identification of new environmental aspects and impacts</i>	<i>Continual improvements to EMS and identification of new environmental aspects and impacts</i>
6-5	Roadway De-icing Program	DPW	Install computerized spreader controls; alt. dispensing equipment	Computerized controls installed; continue to track usage to achieve optimal application rate	Continue to seek optimal levels to achieve balance between public safety and environmental impact
6-6	Waterway Maintenance	DPW	Clear waterways of debris, 3 year rotating basis	Waterway maintenance work suspended due to lack of manpower	File Notice of Intent with Conservation Commission for permit to do maintenance
<i>Revised</i>	<i>Ditch maintenance</i>	<i>East Middlesex Mosquito Control Project</i>	<i>Clear sediment from ditches</i>	<i>minimal ditch clearing accomplished in one area</i>	<i>Identify and clean as time and budget allows</i>

6a. Additions

6-7	Employee Training Program	DPW	Provide all departments with training	Done for DPW staff as part of EMS program	
6-8	New DPW Facility	DPW	Incorporate Green Building Design into project	final design includes green building components such as rain gardens,	Construction of new facility anticipated to begin summer of 2009 and take 18 months to complete

Part IV. Summary of Information Collected and Analyzed

A summary of water quality monitoring results from Cambridge Water Supply (CWS) is attached (Attachment A). In general the most recent data shows very low levels of fecal coliform bacteria compared to the range of concentrations measured at stream locations in prior sampling rounds. Weston has received no indication of specific water quality concerns from staff in the Watershed Protection Division of CWS. This agency has staff dedicated to monitoring water quality within the watershed on a daily basis.