

5/30/12

Municipality/Organization: Town of Acton

EPA NPDES Permit Number: MAR041238

MaDEP Transmittal Number: W-

Annual Report Number & Reporting Period: Year 9, April 2011 – March 2012

NPDES PII Small MS4 General Permit Annual Report (Due: May 1, 2012)

Part I. General Information

Contact Person: Doug Halley **Title:** Health 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: Steve Ledoux

Title: Town Manager

Date: May 1, 2011

Part II. Self-Assessment

During the 2011-2012 permit year, the Town of Acton continued implementation of the tasks similar to those outlined in the 5-Year Plan under the 2003 NPDES Small Municipal Separate Storm Sewer Systems (MS40) permit. The majority of the specific tasks that the Town identified in its 5-Year Permit were completed prior in the prior periods; however, ongoing operations and maintenance activities continue to be performed.

All of the BMPs that were modified, completed or still waiting completion during the 2011-2012 permit year are listed within Table III, which follows this summary. As the Town has reported previously, some of the proposed BMPs have been delayed until Bylaws were adopted, which would allow their enforcement. No BMPs have been eliminated from the submitted plan. The extended time frames for some of the items not completed are due primarily to the lack of staff or resources to implement the new measures and to the continued Bylaw development process. The Town is nearing the completion of the comment and review process for a Bylaw that addresses Construction Site Stormwater Runoff Control and Post Construction Stormwater Management.

2011-2012

In May the process of implementing the requirements of the Stormwater Bylaw began with the identification of properties requiring permits and developing a sustainable funding source for the operation and maintenance of the program. The Water Resources Advisory Committee, continued the difficult task of developing the Construction and Post Construction Stormwater Bylaws. Monthly public meetings were held as the Committee amended and refined the required bylaws so that they matched the stormwater issues and concerns relevant to Acton. The completion of the bylaw is anticipated in December 2012. At that time an outreach program of public education meetings will be designed to gain the necessary public support to have the bylaw adopted at Town Meeting.

In December Acton was one of several presenters at a SUASCO sponsored conference on "Municipal Funding Strategies for Stormwater Management". Representatives from Acton, Franklin, Newton, Reading and a stormwater consultant, AMECThe Town's consultant, Applied Geographics, through its Geographic Information System (GIS), has spatially located the stormwater drain system in relationship to the Acton's natural and manmade features. During the summer two Boston University interns, using a Geodetic Positioning Station located all of the current stormwater testing stations, enabling them to be added to the GIS.

For the ninth year Acton participated in the SuAsCo Watershed Community Council's Stormwater Community Assistance Program. This year the product provided master copies of the all new Stormwater Matters Residential Flyer, Master copies of the all new Stormwater Matters Business Flyer, Large mounted aerial photo map highlighting waterways, town boundaries and watershed borders and CD's of Stormwater Matters Programs.

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
PE-1 Revised	Partner w/Local Organization	Board of Health Health Director	Provide financial contribution/ Partner with SUASCO Community Assistance Program	Continued commitment of participation in the SUASCO Watershed Community Council's "Stormwater Community Assistance Program" for Stormwater Phase II Permit Year 8 from April 2010 to March 2011.	Continued commitment of participation in the SUASCO Watershed Community Council's "Stormwater Community Assistance Program" for Stormwater Phase II Permit Year 9 from April 2011 to March 2012.
PE-2 Revised	Provide Stormwater Information Display	Board of Health Health Director	SUASCO Community Assistance Program Provides public display	Place display in public areas and at public meetings.	SUASCO will provide an updated media tool kit.
PE-3 Revised	Provide CMMCP Information Display	Board of Health Health Director	Central Massachusetts Mosquito Control Project Provides public information display	Place display in the lobby of the Town Hall and provide additional material to the Town Clerk and Health Department Offices.	Continue Information Program with CMMCP detailing wetland mitigation efforts.
PE-4 Revised	Provide Stormwater Survey	Board of Health Health Director	SUASCO Community Assistance Program Provides stormwater survey	Place survey in public areas and at Town Meeting.	SUASCO will provide an updated media tool kit.
PE-5 Revised	Provide Stormwater Presentation	Board of Health Health Director	SUASCO Community Assistance Program Provides Stormwater Powerpoint Presentation	Place Powerpoint presentation on the Town's website and Cable channel rotation.	SUASCO will provide an updated media toolkit.
PE-6 Revised					

2. Public Involvement and Participation

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
PP-1 Revised	Partner with Local Organization	Board of Health Health Director	Provide financial contribution to partner. With SUASCO CAP	In August SUASCO CAP provided the deliverables for a Stormwater campaign to be conducted for 2011 to 2012.	Continue commitment to participate in the SUASCO CAP for Storm Water Phase II Permit Year 9 from April 2011 to March 2012.
PP-2 Revised	Organize Public Meetings/ Presentations	Board of Health Health Director	Use SUASCO powerpoint presentation At public meetings	Participated at a variety of public meetings using powerpoint presentation for the Stormwater Bylaw acceptance effort.	Continue to schedule and participate in Stormwater presentations.
PP-3 Revised	Intra-Community cooperation and participation	Board of Health Health Director	Promote Stormwater Management Program	Provided website access to educational information on Acton's Stormwater Management Program.	Continue to use website as a vehicle for promoting the Stormwater Management Program.
PP-4 Revised	Inter-Community cooperation And participation	Board of Health Health Director	Partner with the Acton Stream Team	Promoted and supported the 17 th Annual Acton Clean Up Day	Continue to promote and support the Annual Acton Clean Up Day
PP-5 Revised	Regulation Education effort	Board of Health Health Director	Present Discharges to Storm Drain System Bylaw to citizens	Worked with the 2020 Committee in developing and promoting Stormwater goals and regulations.	Continue the public education effort for additional bylaws focused on erosion and sediment and post-construction development.
PP-6 Revised	Intra-Community cooperation and participation	Board of Health Health Director	Work with watershed partner in promoting Stormwater activities	Promoted and supported the Organization for the Assabet River's programs for Water Chestnut Removal and River Rangers.	Continue to promote and support the Organization for the Assabet River's programs.

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 7 (Reliance on non-municipal partners indicated, if any)	Planned Activities
ID-1 Revised	Clean Watershed Needs	Board of Health Health Director	Identify areas where stormwater issues Need to be addressed	Continued the review and implementation of appropriate measures as noted in Woodard & Curran's Clean Watershed Needs Report (2008-2027)	Continue the evaluation and prioritization of the recommendations of the Clean Watershed Needs Report
ID-2 Revised	Develop monitoring programs in conjunction With local watershed organizations	Board of Health Health Director	Team with the Organization of the Assabet River	Continued financial support with OAR to sample, analyze and report two sampling sites on the Assabet River and Nashoba Brook	Continue with the financial support of OAR
ID-3 Revised	Address Illicit Discharge Related to Non-profit car wash events	Board of Health Health Director	Work with school system to permit Car wash events	Worked with Acton Boxborough Regional School System in finding an appropriate location for car wash fund raisers	Continue to work with the Acton Boxborough Regional School System for future car wash events.
ID-4 Revised	Identify and prioritize locations with Potential illicit discharges	Board of Health Health Director	Use GIS to correlate risk properties With protected resources	Inspected facilities with 25 gallons or 25 pounds of hazardous materials within 200' of a protected resource	Continue inspection of hazardous material/waste storage facilities
ID-5 Revised	Develop stormwater permitting program	Board of Health Health Director	Permit all properties with direct or indirect Discharges to the town's stormwater system	Use GIS to identify and permit properties that fall under the requirements of Chapter U of the Town's Bylaws.	Continue identifying and permitting properties that fall under the requirements of Chapter U of the Town's Bylaws.
ID-6 Revised	Develop a stormwater monitoring program	Board of Health Health Director	Research the methodology, equipment and funds Required to begin monitoring program	Dedicated two student interns to research and test devices used for monitoring stormwater.	Continue to work with student interns in developing a stormwater monitoring program.

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 7 (Reliance on non-municipal partners indicated, if any)	Planned Activities
CS-1	Develop and Implement watershed regulatory strategy	Board of Health Health Director	Prioritize recommendations of The regulatory improvement plan	Continued implementation of the prioritized elements of the regulatory improvement plan	Continue implementation of the prioritized elements of the regulatory improvement plan
Revised					
Revised					
Revised					
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 7 (Reliance on non-municipal partners indicated, if any)	Planned Activities
PC-1 Revised	Develop/Implement protection for the Pre and Post Construction	Board of Health Health Director	Develop and implement Town Bylaw For Pre and Post Construction	Continued public meetings held by the Water Resources Advisory Committee revising and receiving public input.	Continue public meetings
PC-2 Revised	Develop/Implement protection for Pre and Post Construction	Board of Health Health Director	Develop and implement Town Bylaw For Pre and Post Construction	Review current rules and regulations for compliance with Low Impact Development guidelines.	Implement findings into proposed Chapter W bylaw.
PC-3 Revised	Develop/Implement protection for Pre and Post Construction	Board of Health Health Director	Develop and implement Town Bylaw For Pre and Post Construction	Continue the development of Chapter W for Town Meeting consideration in 2013.	Implement Chapter W bylaw.
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 7 (Reliance on non-municipal partners indicated, if any)	Planned Activities
GH-1 Revised	Outreach	Public Works Director Health Director	Develop a drain insert Program	Install a drain inserts in municipal parking lots to assist in removing coarse sediments, oil, grease, litter and debris from stormwater	Continue the installation of storm drain filter inserts
GH-2 Revised	Audit Current Town Facilities	Public Works Director Of Public Works	Audit wastewater facilities impact to Abutting Assabet River	Wastewater Treatment Facility conducted annual Slope, Stability & Erosion Report and Wetlands Monitoring Report.	Wastewater Treatment Facility will continue annual audit and submit a report.
GH-3 Revised	Operation and Management Program	Public Works Director of Public Works	Test, transport and dispose of catch basin sediment	DPW developed a plan for testing, transporting and disposing of catch basin sediments	Continue to appropriately test, transport and dispose of catch basin sediments
GH-4 Revised	Best Management Practice	Health Director	Use interns to develop stormwater identification	Two BU interns developed a GIS program to identify properties that discharge into the Stormwater system.	Utilize intern program to continue to identify properties discharging into the Stormwater system.
GH-5 Revised	Stream and Wetland Management	CMMCP	Ensure clear streamways and removal of debris from wetlands	CMMCP contracted to visually inspect streams and wetlands and remove debris from wetlands and streams.	Continue stream and wetland management.
GH-6 Revised	Storm Water System Identification	Board of Health Health Director	Identify wetlands or ponds under stress from stormwater impacts	Identified Barker's Pond as a stressed stormwater receptor and developed a proposal to address the impacts.	Continue to identify wetlands, ponds and streams that are under stress from stormwater impacts.

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
TMDL-1	Check Current Impairment List.	Board of Health Health Director	There are No completed studies for receiving waters in Acton.	Monitored the CWRMP/MEPA process of Assabet communities.	Check list annually to determine new implementation requirements.
Revised					
Revised					
Revised					
Revised					
Revised					
Revised					

7a. Additions

Part IV. Summary of Information Collected and Analyzed

1. Stream Monitoring Program
 - a. Four rounds of fecal coliform testing in 2011 were conducted at locations in the Fort Pond Brook and Nashoba Brook Watersheds as shown on the map. (see attachment "A")
2. Groundwater Well Monitoring Program
 - a. Monthly rounds of water level and nitrate testing in 2011 were conducted within selected watersheds as shown on the map. (See attachment "B")
3. North Acton Recreational Area (NARA) Pond Monitoring
 - a. Weekly Ecoli testing was conducted between May and September at NARA to ensure swimming water quality. (See attachment "C")