



Acton Board of Health

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Public Health
Prevent. Promote. Protect.

Doug Halley, Health Director

June 15, 2011

Ann Herrick - CIP
U.S. Environmental Protection Agency - Region 1
1 Congress Street, Suite 1100
Boston, MA 02114-2023

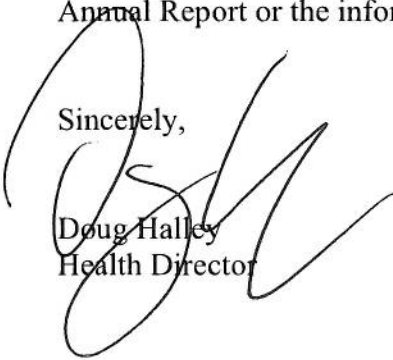
To Whom It May Concern:

Attached with this letter please find Acton's seventh Annual Report in compliance with its NPDES Phase II Small MS4 General Permit. This report contains the following information:

1. A self-assessment review of compliance with the permit conditions.
2. An assessment of the appropriateness of the selected BMP's.
3. An assessment of the progress towards achieving the measurable goals.
4. A summary of results of any information that has been collected and analyzed.
5. A discussion of activities for the next reporting cycle.
6. A discussion of any changes in identified BMP's or measurable goals.
7. Reference to any reliance on another entity for achieving any measurable goal.

Should you have any questions regarding the Town of Acton's NPDES Phase II Small MS4 Annual Report or the information attached please contact me at (978) 264-9634.

Sincerely,


Doug Halley
Health Director

Cc: Fred Civian
Massachusetts Department of Environmental Protection
One Winter Street - 5th Floor
Boston, MA 02108

7/15/11

10

Municipality/Organization: Town of Acton

EPA NPDES Permit Number: MAR041238

MaDEP Transmittal Number: W-

Annual Report Number & Reporting Period: Year 8, April 2010 – March 2011

NPDES PII Small MS4 General Permit Annual Report (Due: May 1, 2011)

Part I. General Information

Contact Person: Doug Halley **Title:** Health Director

Telephone #: (978) 929-6632 **Email:** dhalley@acton-ma.gov

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 31, 2011

Part II. Self-Assessment

During the 2010-2011 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 2010-2011 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 in the comment and review process for a Bylaw that addresses Construction Site Stormwater Runoff Control and Post Construction Stormwater Management.

2010-2011

With the adoption of the Stormwater Bylaw in April 2010 the town began the process of identifying properties requiring permits and developing a sustainable funding source for the operation and maintenance of the program. The Water Resources Advisory Committee, having completed their work on the Stormwater Bylaw began the difficult task of developing the Construction and Post Construction Stormwater Bylaws. Through a series of public meetings they are in the process of amending and refining the required bylaws so that they matched the stormwater issues relevant to Acton. The completion of the bylaw is anticipated in January 2012. At that time a series of public education meetings will be designed to gain the necessary public support to have the bylaw adopted at Town Meeting.

The 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 eighth year Acton participated in the SuAsCo Watershed Community Council's Stormwater Community Assistance Program. This year the product provided storm drain marker kit refills, updated media toolkit, CD of Stormwater Ads, Think Green and 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. SUASCO will provide an updated media tool kit.
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					
PE-7 Revised					
PE-8 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	On August 12, 2009 the SUASCO CAP provided the deliverables for a Stormwater campaign to be conducted from April 2009 to March 2010.	Continue commitment to participate in the SUASCO CAP for Storm Water Phase II Permit Year 8 from April 2010 to March 2011.
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	Community cooperation and participation	Board of Health Health Director	Provide overview of Stormwater Program With the Organization for the Assabet River Stream Team	Developed and launched a website advertising the new Stormwater Management Program	Continue commitment of educational efforts for Stormwater Management compliance
PP-4 Revised	Inter-Community cooperation And participation	Board of Health Health Director	Partner with the Acton Stream Team	Assisted the Acton Stream Team participating in Acton Cleanup day with a focus on water ares	Continue Commitment to partner with the Acton Stream Team
PP-5 Revised	Regulation Education effort	Board of Health Health Director	Present Discharges to Storm Drain System Bylaw to citizens	Worked with Acton 2020 to develop Stormwater Management Chapters in the Acton 2020 Report.	Continue working with Acton 2020 to finalize the Stormwater Chapters in the 2020 report.
PP-6 Revised	Unwanted Medications	Board of Health Health Director	Develop a program that addresses the Discharge of unwanted medications	Work with the Acton Green Team to continue to safely dispose of unwanted medications.	Continue the collection method for residents to dispose of their unwanted medications.

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	Reviewed and implemented 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	Develop an Illicit Discharge Detection And elimination enforcement strategy	Board of Health Health Director	Attend workshops and seminars focused on Illicit Discharge Detection and Elimination	Developed a safe and legal procedure for conducting charity car washes at the Acton/Boxborough Regional High School.	Continue to identify and attend conferences and workshops focused on Illicit Discharge Detection and Elimination
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	Remote Illicit Discharge Detection to Wastewater Collection System	Board of Health Health Director	Use SCADA system to detect illicit discharges	Funding approved for a Stormwater Inspections Revolving Account	Implement the Stormwater Inspections Program.
ID-6 Revised	Conduct inflow/infiltration investigation Of sewer collection system	Board of Health Health Director	Use sewer TV inspections to identify and correct I/I Problems in collection system	Conducted I/I investigations for the tributary areas of Pump Station #2 and Pump Station #11	Continue to use sewer TV inspections to identify and correct I/I problems.

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 Revised	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					

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	Board of Health Health Director	Develop and implement Town Bylaw	Water Resources Advisory Committee met throughout 2010-2011 developing appropriate construction – post construction Bylaw for Action	Continue development of the Bylaw
PC-2 Revised	Develop/ Implement protection for	Board of Health Health Director	Develop and implement Town Bylaw	Water Resources Advisory Committee reviewed existing Bylaws and Regulations to determine current Stormwater requirements	Use the findings of this review in developing proposed bylaw
Revised	Develop/ Implement protection for	Board of Health Health Director	Develop and implement Town Bylaw	Water Resources Advisory Committee developed draft bylaw to be reviewed and brought to Town Meeting 2012	Submit proposed Bylaw to Town Meeting for approval.
Revised					
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	Implement a Drain Guard Program	Installed drain guards at the commuter parking lot	Continue the Drain Guard Program
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	Begin tracking records for catch basins cleaned	Health Department in conjunction with DPW tracked catch basins cleaned.	Continue to track records for outfalls cleaned, continue to track records for catch basins cleaned, begin measurable schedule for street sweeping.
GH-4 Revised	Best Management Practice	Board of Health Health Director	Stream and Groundwater monitoring points	Sub-meter GPS coordinates taken at sampling locations than transferred to GIS map. Samples collected at each site and tested	Continue to collect and sample stormwater and groundwater locations.
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 Outfalls, Catch Basins, Manholes	Worked with MIT to develop a proposal that would address outfalls discharging to Barker's Pond	Continue to review and modify the presence and location of all storm drain structures

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 2008 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 2008 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")