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Municipality/Organization: Town of Acton

EPA NPDES Permit Number: MAR041238

MaDEP Transmittal Number: W-

Annual Report Number Year 7
& Reporting Period: April 1, 2009 – March 31, 2010

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

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 7, 2010

Part II. Self-Assessment

During the 2009-2010 permit year, the Town of Acton continued implementation of the tasks 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 to this period; however, ongoing operations and maintenance activities continue to be performed.

The BMPs that were modified, completed or still waiting completion during the 2009-2010 permit year are shown in 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 will allow their enforcement. No BMPs were eliminated from the submitted plan. The extended time frames for those items not completed are due primarily to the lack of staff to implement the new measures and to the continued Bylaw development process. The Town expects to finalize a Bylaw that addresses Construction Site Stormwater Runoff Control and Post Construction Stormwater Management in permit year 2010-2011.

2009-2010

The Town completed a major public education – illicit detection program with the adoption of the Stormwater Bylaw. The Water Resources Advisory Committee developed the initial proposed bylaw in September of 2009. Through a series of public meetings they amended and refined the bylaw so that it matched the stormwater issues relevant to Acton. With the completion of the bylaw in January 2010 the Committee began a series of public education meetings designed to gain the necessary public support to have the bylaw adopted at Town Meeting. On April 6th the bylaw was considered by Town Meeting and was passed on a unanimous vote.

The Town of Acton is continuing to work on the process of electronic data collection (GIS & GPS) to complete the mapping of the Town's outfalls and storm drain system. The Town has hired Applied Geographics to spatially locate the stormwater drain system in relationship to the Acton's natural and manmade features.

For the seventh year Acton is participating in the SuAsCo Watershed Community Council's Stormwater Community Assistance Program. This year the product delivered was "Stormwater Matters Think Green", consisting of a table top display in black carrying bag, 500 "self test" postcards and brochure holder in a Stormwater Matters tote bag, website ready, cable ready and PowerPoint versions of the self test and display and a Stormwater Matters banner.

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 (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 7 from April 2009 to March 2010.	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.
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	Develop Stormwater Education Strategy	Board of Health Health Director	SUASCO provides MS4 Workshop	Water Resources Advisory Committee participates in SUASCO MS4 Workshop.	Continue to participate in workshops and seminars to develop education strategy.

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	Intra-Community cooperation and participation	Board of Health Health Director	Provide financial contribution to partner With the Organization for the Assabet River	Participated in Intel-OAR Environmental Innovators Contest event.	Continue commitment to partner with the Organization for the Assabet River.
PP-4 Revised	Inter-Community cooperation And participation	Board of Health Health Director	Partner with the Acton Stream Team	Ongoing Stream Survey seeking information on Conant Brook, Fort Pond Brook, Grassy Pond Brook, Inch Brook, Nashoba Brook, etc.	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	Provide a series of public meetings to expose the proposed Stormwater Bylaw to as many residents as possible.	Continue the public education effort for additional bylaws focused on erosion and sediment and post-construction development.
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 find a mechanism where residents can safely dispose of unwanted medications.	Implement a 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	Water Resources Advisory Committee participated in the Community Stormwater Solutions Conference	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 2.5 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	Monitoring of SCADA system identified an illicit discharge at Powdermill Plaza. Follow up investigation determined cause and appropriate fine was levied.	Continue remote SCADA monitoring 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 #3 and Pump Station #6	Continue to use sewer TV inspections to identify and correct I/I problems.

3a. Additions

ID-7	Evaluate Dam Resources	Board of Health Health Director	Participate in Planning Study for dams on the Assabet River	Review draft Assabet River Sediment and Dam Removal Feasibility Study	Continue to assess the status of dams in Acton watershed
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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	Develop/Implement protection for the Municipal Storm Drain System	Board of Health Health Director	Develop and implement Town Bylaw For Storm Drain Protection	Water Resources Advisory Committee developed Bylaw which was successfully passed at Town Meeting April 2010	Implement adopted Bylaw
PC-2	Develop/ Implement protection for Pre and Post Construction	Board of Health Health Director	Develop and implement Town Bylaw For Pre and Post Construction	Water Resources Advisory Committee developed draft bylaw to be reviewed and brought to Town Meeting 2011	Continue development of Bylaw in preparation for an April 2011 vote
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 Winter Maintenance Program	Distribute to the public the Town's Winter Maintenance plan	Continue distribution of the Town's Winter Maintenance Plan
GH-2 Revised	Audit Current Town Facilities	Public Works Director 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 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	Public Works Director Public Works	Implement a sand reduction initiative for the Snow and Ice Removal Program.	Monitor the treated salt program, which virtually eliminated sand from being applied to roadways during the winter. Program also successfully reduced the tons of salt per mile.	Continue to use treated salt and monitor the results.
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	Contracted Applied Geographics to locate all storm drain structures within the town's GIS system	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")