

Municipality/Organization: Maynard, MA
EPA NPDES Permit Number: MA041208
MassDEP Transmittal Number: W-035581
Annual Report Number & Reporting Period: Year 08
April 1, 2010 – March 31, 2011

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

Part I. General Information

Contact Person: Michael Sullivan Title: Town 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: Michael Sullivan

Title: Town Administrator

Date: 4/12/11

Part II. Self-Assessment

From April 1, 2010 and March 31, 2011 the Town of Maynard continued to implement BMPs and meet the General Permit requirements. The Town's Stormwater Management Team (SWMT) consists of representatives from the DPW, Conservation Commission, Planning Board, Building Department, Open Space Committee, Selectmen's Office, and Board of Health. Town Staff from the DPW, Conservation Commission, and Planning Board mainly focus on stormwater management activities. Maynard's Stormwater Management Program will be re-assessed during development of the next NOI for efficient use Maynard's limited resources and staff time to leverage better stormwater management.

One additional press release was planned to describe the new General Permit requirements (1.4.1). However, this press release is on hold until the next General Permit is released.

Notes on the Permit Year 8 Annual Report:

1. This report summarizes the activities scheduled for the prior eight permit years and documents the Town's progress in each permit year. Activities related to Permit Year 08 are in **bold**.
2. Measurable goals by Permit Year were extrapolated from the "Time Frames" page in the original NOI and are based on revisions made in prior Annual Reports.
3. Planned activities for the next permit term have been designated if a BMP under the 2003 General Permit was not completed, is still under progress for completion, or is expected to continue. Once the General Permit for the next five years is available from EPA, the Town will prepare and submit a Notice of Intent for compliance with the new General Permit.
4. Conservation Commission continues to coordinate with MassDOT on state highway projects within the town, specifically on stormwater design impacting Maynard water ways.

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 – Next Permit Term
1.1.1	Homeowner Focus – Mail educational flyer with stormwater survey	SuAsCo Council and Stormwater Management Team (SWMT)	YR01: Flyer distribution. Compile and evaluate survey results. YR02-08: None.	YR01: Stormwater Matters sent out with water bills on March 20, 2003. SuAsCo sent community survey on December 18, 2003. YR02-08: BMP complete.	Measurable goals for the 2003 General Permit have been met.
Revised					

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 – Next Permit Term
1.1.2	Homeowner Focus – Brochures available at Town Hall	SWMT	YR04-08: Brochures available at Town Hall.	YR04: BMP added. <i>Stormwater Matters</i> brochures available at Town Hall. YR05: <i>Stormwater Matters</i> brochures continued to be available at Town Hall. This year, the Town also added EPA’s <i>After the Storm</i> brochure and <i>Make your home the Solution to Stormwater Pollution</i> brochure, which are available both at Town Hall and the Library. Also available at the Library is EPA’s bookmark titled <i>Clean Water – Everybody’s Business</i> . YR06: <i>Stormwater Matters</i> and <i>Make your home the Solution to Stormwater Pollution</i> brochures continue to be available at Town Hall. The SuAsCo <i>Stormwater Matters</i> postcards and bookmarks delivered this year are available in the Library. In addition, the Conservation Commission website now includes stormwater-related links, including one to the Massachusetts Stormwater Handbook and one to an electronic version of the <i>Stormwater Matters</i> posters produced by SuAsCo. YR07: <i>Stormwater Matters</i> and <i>After the Storm</i> brochures continue to be available at Town Hall and during Town Meetings. The Conservation Commission continues to maintain their website with stormwater-related links.	Measurable goals for the 2003 General Permit have been met.
Revised				<p>YR08: The following brochures are available at the Town Hall:</p> <ul style="list-style-type: none"> • <i>Stormwater Matters</i>; • <i>After the Storm</i>; • <i>Ecological Landscaping</i>; • <i>Don’t Trash Grass!</i>; • <i>Butterfly Gardens</i>; • <i>Rain Gardens</i>; and • <i>Maynard’s Wetlands & You: A Guide to Living with Wetlands</i>. <p>The Conservation Commission makes SuAsCo brochures available during Town Meetings. Conservation Commission website continues to have stormwater-related links. SuAsCo bookmarks are available at the Town library.</p>	The Town will continue to make available various brochures and maintain website links.

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 – Next Permit Term
1.2.1	Student Focus – Teach stormwater lesson to 5 th grade students	SuAsCo Council and SWMT	YR01: None. YR02: Prepare and implement lesson. YR03-08: None.	YR01: N/A YR02: Stormwater Matters lesson prepared and implemented. YR03-08: BMP complete	Measurable goals for the 2003 General Permit have been met.
Revised					
1.3.1	Business Focus – Mail educational flyer with a stormwater survey	SuAsCo Council and SWMT	YR01-02: None. YR03: Flyer distribution. YR04-08: None.	YR01-02: N/A YR03: Mailed flyers with water bills (Stormwater Matters). Insufficient response to warrant analysis of survey responses. YR04-08: BMP complete	Measurable goals for the 2003 General Permit have been met.

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 – Next Permit Term
1.4.1	General Public Focus – Hold a stormwater media campaign	SuAsCo Council and SWMT	YR01-03: None. YR04: Press releases planned for YR05. YR05: 2 press releases related to stormwater program. YR06-08: Press releases related to stormwater program.	<p>YR01-03: N/A</p> <p>YR04: Due to staffing changes and budget constraints, the schedule was revised during YR04. Schedule revision met same goal as original schedule.</p> <p>YR05: Two press releases are in the process of being submitted to <i>the Beacon Villager</i>. These press releases cover the following topics:</p> <ul style="list-style-type: none"> • EPA Phase II Stormwater Requirements • Why stormwater matters • Town’s stormwater management program activities, particularly public education activities • Phosphorus pollution in the Assabet River • Stormwater Program contact information • Volunteer information <p>YR06: Press release titled “Maynard Progresses on Stormwater Management Program” was printed in the Beacon Villager on May 2, 2008. Second press release was delayed, as it will cover the requirements of the next General Permit. Articles related to stormwater were released in the Beacon Villager, including one related to SuAsCo’s Annual River Visions forum and a number related to OAR’s annual Assabet River cleanup.</p> <p>YR07: The press release mentioned for Year 6 is still delayed until the next General Permit is issued. Articles related to stormwater were released in the Beacon Village, including OAR’s annual Assabet River cleanup.</p> <p>YR08: The following articles related to stormwater were released in the Beacon Villager.</p> <ul style="list-style-type: none"> • <i>Assabet River has flood history;</i> • <i>Greenspace: What falls on site should stay on site;</i> • <i>Jim Hillibish: Return of the rain barrel;</i> • <i>Keep your vehicle clean without wasting water;</i> • <i>Preparing for a flood; and</i> • <i>OAR to hold river cleanup.</i> <p>The press release covering new General Permit requirements is still delayed until EPA issues the permit.</p>	<p>Measurable goals for the 2003 General Permit have been met.</p> <p>Press release and local newspaper articles related to stormwater initiatives are expected to continue.</p>

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 – Next Permit Term
1.4.2	General Public Focus – Show a stormwater video on a local cable station	SuAsCo Council and SWMT	YR01-04: None. YR05: Obtain and air stormwater video. YR06-08: None	YR01-04: N/A YR05: <i>After the Storm</i> video and <i>Reigning in the Storm-One Building at a Time</i> were obtained from EPA in previous years. These videos are aired on the Town’s public access cable television station. This year, Town obtained additional copies of <i>After the Storm</i> for potential use at other venues.	Measurable goals for the 2003 General Permit have been met.
Revised				YR06: BMP complete. YR07: BMP complete. The Maynard High School TV and Radio Station (WAVM) was provided videos to air as part of their programming. Videos were aired approximately 5 times. YR08: BMP complete.	Videos will continue to air on local cable, as permitted.

2. Public Involvement and Participation

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 – Next Permit Term
2.1.1	Homeowner Focus – circulate stormwater traveling display	SuAsCo Council and SWMT	YR01: Develop display and feature at 3 locations. YR02-04: None. YR05-08: Stormwater display.	YR01: Display created and displayed at Town Hall. YR02-04: N/A YR05: Town developed new display titled <i>Maynard's Stormwater Management Program</i> and exhibited it at Town Hall and plans to display it at Spring 2008 Town Meeting. In addition, copies of this display are posted at the Library.	Measurable goals for the 2003 General Permit have been met. The Town will continue to display stormwater posters/displays.
Revised				YR06-08: Display titled <i>Maynard's Stormwater Management Program</i> continues to be exhibited at Town Hall. A copy of this display is also posted at the Library.	

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 – Next Permit Term
2.4.1	General Public Focus – Annual River Cleanup Day	SuAsCo Council and SWMT, DPW	YR03-08: Annual cleanup.	<p>YR03: BMP added to replace BMP 2.3.1 – General Public Focus (Hold a local stormwater summit). Assabet River Cleanup day held with SuAsCo. 20-30 people in attendance. DPW removed waste collected during cleanup.</p> <p>YR04: Assabet River Cleanup day held with OAR.</p> <p>YR05: The Annual Assabet River Cleanup Day was held with OAR on Saturday September 15, 2007. In addition, OAR sponsored a cleanup on Saturday October 13 that focused on the area upstream of the Power Mill dam.</p> <p>YR06: The 22nd Assabet River Cleanup was held on September 13, 2008. The Maynard DPW supported waste removal efforts during this cleanup.</p> <p>YR07: The 23rd Assabet River Cleanup was held on September 12, 2009. The Maynard DPW supported waste removal efforts during this cleanup. Additionally, Town-wide trash cleanups along the railroad tracks close to the Assabet River, Track Road, and Silver Hill Road were conducted by various groups in Town with support from the DPW and Board of Health for garbage bags and waste removal. Groups/functions include the Assabet Rail Trail Walk & Cleanup and the Maynard Litter League.</p> <p>YR08: The 24th Assabet River Cleanup was held on September 11, 2010. The Maynard DPW supported waste removal efforts during this cleanup. In addition, the Maynard Litter League held a week cleanup from April 17-25, 2010 and nine other cleanups during the year. In 2010, the DPW estimates over a ton of trash and three truckloads of tires were removed from the Assabet River.</p>	<p>Measurable goals for the 2003 General Permit have been met.</p> <p>The Annual Clean-up and other Town group clean-up efforts are expected to continue.</p>

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 – Next Permit Term
2.5.1	General Public Focus – LID Bylaw Meetings	SWMT	YR04-08: Hold meetings to create a stormwater and LID Bylaw	<p>YR04: BMP added. Held several posted public meetings to develop a stormwater and LID Bylaw (see BMPs 4.1.1 and 5.1.1). Participants include a cross-section of residents and representatives from various Town offices.</p> <p>YR05: Held meetings to support adoption of Storm Drain System By-law. Continued to hold meetings through Spring 2008 to finish draft bylaw and regulations. Public meetings are planned to finalize and adopt bylaw. Inclusion of the bylaw is planned on the Fall 2008 Town Meeting warrant.</p> <p>YR06: Instead of one Stormwater and LID Bylaw, two bylaws were submitted for inclusion on the 2009 Spring Town Meeting warrant: the <i>Stormwater Management and Land Disturbance Bylaw</i> and the <i>Post Construction Stormwater Management of New Development and Redevelopment</i> bylaw. Public meetings are planned to finalize and adopt the bylaws.</p> <p>YR07: Two bylaws were submitted for inclusion on the 2009 Spring Town Meeting warrant and approved: the <i>Stormwater Management and Land Disturbance Bylaw</i> and the <i>Post Construction Stormwater Management of New Development and Redevelopment</i> bylaw. These two bylaws were revised by the Conservation Commission and combined into one bylaw, the <i>Stormwater Management Bylaw</i>, submitted for inclusions on the 2009 Fall Town Meeting Warrant and approved. Bylaw was approved by the Attorney General in Spring 2010.</p> <p>YR08: BMP complete.</p>	Measurable goals for the 2003 General Permit have been met.

3. Illicit Discharge Detection and Elimination

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 – Next Permit Term
3.1.1	Stormwater System Mapping – Map outfalls and maintain GIS map as updates occur	DPW	YR01-03: Field check GIS map locations of outfalls. YR04: None YR05: 100% of outfalls will be field checked. YR06-08: Drainage mapping maintained.	YR01: Dufresne-Henry to map entire system. Draft map is complete, and 50% of outfalls have been field checked. YR02: Final draft map completed. YR03: None. YR04: BMP revised to include BMP 3.1.5. Storm sewer updates included in GIS system annually. YR05: All outfalls have been mapped. The Town continued consultant’s work to field verify outfall locations and update GIS mapping. A new Stormwater & Drainage System map was completed by Stantec in July 2007, which shows pipe sizes, connectivity, catch basins, manholes, outfalls, and receiving water bodies. YR06: All outfalls were mapped. No updates to map were necessary this year. Town continues to work towards gaining ArcGIS capacity. YR07: All outfalls were previously mapped. No updates were provided. Town has ArcGIS capabilities to review drainage system map information.	Measurable goals for the 2003 General Permit have been met. The Town will continue to update the drainage mapping, as necessary and as budget allows.
Revised				YR08: Outfall mapping previously completed. Map includes all outfalls and receiving waterbodies, and, where known, catch basins, manholes, and connectivity.	

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 – Next Permit Term
3.1.2	Stormwater System Mapping – Map storm sewer system and maintain GIS map as updates occur	DPW	YR01-08: Build and maintain GIS system for stormwater planning.	<p>YR01: Dufresne-Henry to map entire system. Draft map is complete, and 50% of outfalls have been field checked.</p> <p>YR02: Final draft map completed.</p> <p>YR03: GIS map of storm sewer system is 100% complete.</p> <p>YR04: BMP revised to include BMP 3.1.5. Storm sewer updates included in GIS system annually.</p> <p>YR05: Town is working to obtain ArcGIS capacity. The new Stormwater & Drainage System map developed by Stantec in July 2007 included storm sewer system recent updates.</p> <p>YR06: Stormwater map is in GIS and Town has updated during permit term. Town continues to work towards obtaining ArcGIS capacity.</p> <p>YR07: Stormwater map is in GIS. Town has ArcGIS capabilities.</p> <p>YR08: Approximately 300 lf of storm drain pipe was constructed at Balcolm Lane, as well as new outfall. Town will update GIS map to include new piping when budget allows. Town utilizes GIS mapping to conduct MS4 structure inspections/cleaning and IDDE work. Town has printed field sheets of the GIS map and notes errors in mapping.</p>	<p>Measurable goals for the 2003 General Permit have been met.</p> <p>The Town plans to update the drainage mapping, as necessary and as budget allows.</p>
Revised					
3.1.3	Stormwater System Mapping – Map structural BMPs	DPW	YR01-08: New BMP structures will be identified and included in GIS system as budget allows.	<p>YR01: None.</p> <p>YR02: Received final draft map.</p> <p>YR03-04: None (BMP complete).</p> <p>YR05: The new Stormwater & Drainage System map developed by Stantec in July 2007 incorporated any updates, including new structural BMPs.</p> <p>YR06-07: No new BMP structures were identified.</p> <p>YR08: No new Town-owned BMPs have been installed. However, new private BMPs have been installed at Balcolm Lane, Wood Lane, Glendale Street, and the new McDonald’s on Main Street. The Town has obtained records for the new BMPs and will update the GIS drainage mapping when budget allows.</p>	<p>Measurable goals for the 2003 General Permit have been met.</p> <p>The Town plans to update the drainage mapping, as necessary and as budget allows.</p>

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 – Next Permit Term
3.1.4	Stormwater System Mapping – Develop regulations to have developers pay Town’s cost for GIS updates caused by the development	Planning Board	YR01: None. YR02 Draft recommended Planning Board Regulations. YR03-04: None. YR05-06: Adopt Regulations. YR07-08: Adopt bylaw with consideration for regulations.	YR01: N/A YR02-04: None. YR05: These provisions are being considered as part of the on-going bylaw and regulation development. Regulations may include provisions requiring developers to provide digital mapping. YR06: Regulations associated with two bylaws proposed for inclusion on Spring 2009 Town Meeting warrant are still in progress, and may include provisions requiring developers to provide digital mapping. YR07: Regulations associated with the <i>Stormwater Management Bylaw</i> approved at Fall 2009 Town Meeting may be developed to include provisions requiring developers to provide digital mapping. YR08: The Town continues to develop regulations for the Stormwater Management Bylaw approved at Fall 2009 Town Meeting. Depending on requirements of new final permit, regulations may include provisions requiring developers to provide digital mapping.	Town plans to continue development of regulations.
3.2.1	Regulatory Mechanism – Develop bylaw prohibiting illegal non-stormwater discharges into MS4. Include enforcement procedures in bylaw.	Selectmen’s Office / SWMT	YR01-02: Review existing bylaws and recommend revisions YR03: None. YR04: Implement recommendations for regulatory revisions. YR05-06: Draft and adopt bylaw. Receive Attorney General approval. YR07-08: None.	YR01: SWMT and Selectmen’s office reviewed EPA model bylaws. YR02: Reviewed MACC models. Need to draft bylaw with enforcement procedures. YR03: Reviewed Office of the Attorney General model bylaws. YR04: Schedule revised and BMP revised to include BMP 3.2.2 (Regulatory Mechanism – Develop enforcement procedures for illicit discharges to MS4). YR05: Town of Maynard Storm Drain System By-law was passed at the October 29, 2007 Special town Meeting by a vote of 96 to 4. The By-law is awaiting final approval from the Massachusetts Attorney General. YR06: The Storm Drain System By-law was approved by the Massachusetts Attorney General. YR07: BMP complete. The <i>Storm Drain System By-law</i> was previously approved by the Massachusetts Attorney General. YR08: BMP complete. Town continues to implement enforcement procedures as necessary.	Measurable goals for the 2003 General Permit have been met.
Revised					

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 – Next Permit Term
3.3.1	IDDE Plan – Organize SWMT to monitor the Town’s compliance with permit requirements.	Selectmen’s Office	YR01-05: Meetings held. YR06-08: Town Depts. separately and together monitor compliance.	YR01: Two meetings held. YR02: Several meetings held. YR03: None. YR04: SWMT did not meet due to changes in Town staff. YR05: SWMP met four times. YR06: Due to substantial changes in Town DPW Staff, SWMT did not meet. Members of SWMT continued to separately monitor compliance with permit requirements and carry out Stormwater Management actions. YR07: The Planning Board, Conservation Commission, and DPW accept complaints from the public for potential illicit discharges. The DPW conducts any necessary field investigations.	Measurable goals for the 2003 General Permit have been met.
Revised				YR08: Members of SWMT continued to separately monitor compliance with permit requirements and carry out Stormwater Management actions. The Planning Board, Conservation Commission, and DPW continue to accept complaints from the public for potential illicit discharges and illegal dumping. The DPW conducts any necessary field investigations as budget allows.	

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 – Next Permit Term
3.3.2	<p>IDDE Plan – Identify procedures for locating areas likely to have illicit discharges and illegal dumping.</p>	SWMT/DPW	<p>YR01-05: Develop and implement procedures to identify sources of and remove illicit discharges. Procedures to include identification of priority areas, documentation of actions, evaluation of impacts to MS4, and inspection of outfalls during dry-weather flows.</p> <p>YR06-08: Document illicit discharges and illegal dumpings.</p>	<p>YR01: DPW receives complaints and visually inspects sites. Town conducts several visual inspections annually.</p> <p>YR02-03: None.</p> <p>YR04: Schedule revised. BMP revised to include BMPs 3.3.3, 3.3.4, and 3.3.5). Illicit discharges are currently handled on a case-by-case basis, and are identified by visual inspections and public comment.</p> <p>YR05: Formalized IDDE Plan, including procedures to identify illicit discharges, sample, identify sources of illicit discharges, and methods to remove/correct illicit discharges. Priority areas were identified. Current IDDE actions are continuously documented. Illicit discharges continued to be handled on a case-by-case basis. One complaint about illegal dumping was received and was addressed.</p> <p>YR06: IDDE actions are documented. Illicit discharges were not detected this year. No complaints were received by DPW or the Board of Health. A number of illicit discharge and illegal dumping complaints were received by the Conservation Commission, and were addressed.</p> <p>YR07: IDDE actions are documented. One illicit discharge was detected this year; local vehicle maintenance company was identified as discharging basement groundwater that contained oily residue from floor into Assabet River. DPW continues to work with the MassDEP to provide corrective action.</p> <p>A number of illegal dumping complaints were received and addressed by the Conservation Commission. Dumping included yard wastes in conservation areas and wetlands. The Conservation Commission addressed dumping activities by sending violation letters to known violators or to neighborhood residents when violator was unknown. In addition, no dumping signs have been placed in popular dumping areas.</p> <p>The DPW checks cbs and outfalls prior to 1” or more storm events (approx. 20 times/yr) for debris to eliminate localized flooding conditions. Results have shown a decrease in localized flooding.</p> <p>YR08: This year, DPW inspected all outfalls along the Assabet River. No dry weather flows were found during the inspections, no illicit discharges suspected. Sediment was cleaned out from clogged outfalls. A number of illegal dumping complaints were received by the Conservation Commission for a single location and were addressed by the DPW.</p> <p>The DPW continues to check catch basins and outfalls prior to 1” or more storm events for debris to eliminate localized flooding conditions. Results have shown a decrease in localized flooding.</p>	<p>Measurable goals for the 2003 General Permit have been met.</p> <p>The Town will continue to address known illicit discharges and illegal dumping activities as budget allows.</p>

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 – Next Permit Term
3.4.1	Educational Outreach – Inform public employees, business, and general public of hazards of illegal discharges and improper waste disposal	SuAsCo Council and SWMT	YR01: None. YR02-08: Information materials distributed.	<p>YR01: N/A YR02: None. YR03: Brochure on hazards of illicit discharges available at Town Hall. YR04: Provided annual mailing to residents for the Annual Household Hazardous Waste day. YR05: BMP complete. Continued mailings from Board of Health promoting the annual household Hazardous Waste day. Provided information on illicit discharges and illegal dumping on new display titled <i>Maynard's Stormwater Management Program</i> and as part of new brochures (See BMPs 1.1.2 and 2.2.1). YR06: BMP complete. Flier regarding Board of Health's annual (June 21) household hazardous waste day was mailed. Information about illicit discharges, including the display titled <i>Maynard's Stormwater Management Program</i> and brochures, continued to be available in Town Hall and Library. YR07: BMP complete. Advertisement regarding Board of Health's annual (June 6, 2009) household hazardous waste day was provided in the Beacon Villager. Local notices were also provided at the Town Hall and Fire Station bulletin boards, and in the 2008-2009 and 2009-2010 Maynard Recycling Information pamphlets provided to residents. Conservation Commission places catch basin markers around Town at drains during project site visits.</p> <p>YR08: BMP complete. Town Staff continue to be aware of hazards of illicit discharge and illegal dumping. Town continued to education businesses and public about illicit/illegal dumping:</p> <ul style="list-style-type: none"> • Advertisement regarding Board of Health's annual (June 5, 2010) household hazardous waste day was provided in the Beacon Villager. • Local notices were also provided at the Town Hall and Fire Station bulletin boards, and in the 2010-2011 Maynard Recycling Information pamphlets provided to residents/businesses. • <i>Keep your vehicle clean without wasting water, which described that washing cars can contribute pollution to stormwater system, was published by the Beacon Villager.</i> • Conservation Commission places catch basin markers around Town at drains during project site visits. 	<p>Measurable goals for the 2003 General Permit have been met.</p> <p>The Town will continue to hold the annual household hazardous waste day and provide local notices as budget allows.</p>
Revised					

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3.5.1	Allowable Non-stormwater Discharges – Determine if any EPA-listed non-stormwater flows need to be addressed by illicit discharge program	SWMT	YR01: Decision made YR02-04: None YR05-08: If necessary, address through illicit discharge program.	YR01: Decision will be made after bylaw is incorporated and stormwater system map is completed. YR02: DPW determined that allowable non-stormwater discharges are not a problem. YR03-08: BMP complete.	Measurable goals for the 2003 General Permit have been met. This BMP will be reassessed for the next General Permit.
Revised					
3.6.1	Waste Disposal Programs – Hazardous waste management and drop-off program	Board of Health	YR01-05: Conduct twice a year. YR05-08: Conduct Annual Hazardous Waste Day.	YR01-03: Monthly drop-off date for some hazardous materials and others are accepted at Annual Hazardous Waste Drop Off event. Details outlined in BoH mailing. YR04: In June, held Annual Hazardous Waste Drop Off event. Continued monthly collection (every second Saturday) of select hazardous materials. YR05: Held Annual Hazardous Waste Day. Continued monthly collection of hazardous materials from residents as done in previous years. YR06: Held Annual Hazardous Waste Day on June 21. Continued monthly collection of hazardous materials from residents as done in previous years. YR07: Held Annual Hazardous Waste Day on June 6, 2009. Continued monthly collection of hazardous materials from residents as done in previous years. YR08: Held Annual Hazardous Waste Day on June 5, 2010. Bi- monthly collection of hazardous materials from residents continued.	Measurable goals for the 2003 General Permit have been met. The Town plans to continue to hold the annual household hazardous waste day and provide local notices as budget allows.
Revised					

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 – Next Permit Term
4.1.1	Regulatory Mechanism – Develop and implement Town bylaws regulating erosion and sediment control for construction sites utilizing appropriate BMPs	SWMT	YR01: None YR02-03: Develop bylaws YR04: None YR05-08: Implement bylaws	YR01: None. YR02: Reviewed MACC models. YR03: Schedule revised. YR04: Bylaw drafted. YR05: Development of the LID Bylaw and regulations continued as part of EOEAs Smart Growth grant received by Town, including application controls for construction site stormwater runoff. Drafts are developed, and the bylaw is planned to be included on the Fall 2008 Town Meeting warrant.	Measurable goals for the 2003 General Permit have been met.
Revised				YR06: Stormwater Management and Land Disturbance Bylaw is proposed for inclusion on the Spring 2009 Town Meeting warrant. YR07: <i>Stormwater Management Bylaw</i> was approved at the Fall 2009 Town Meeting. The Attorney General approved the Bylaw in Spring 2010. YR08: BMP complete. Town is implementing bylaw.	

4.1.2	Regulatory Mechanism – Add design standards and criteria as necessary to Town department regulations regarding construction site erosion control.	Planning Board/Conservation Commission/SWMT	YR01-02: Determine standards, draft regulations. YR03: None. YR04-05: Update regulations. YR06-08: Implement Bylaw.	YR01: ConComm reviewed possible BMPs. Construction site erosion control, design standards, and BMPs are already incorporated in NOI process. YR02: Need to develop Planning Board regulations with sanctions. YR03: None. YR04: None. YR05: As part of development of LID Bylaw, the Town has drafted regulations that include design standards and criteria regarding construction site erosion control. Town plans to modify local bylaws and regulations as necessary to eliminate conflicts with the LID Bylaw. YR06: The Town drafted regulations that include design standards related to construction site erosion control. Local bylaws and regulations were reviewed for conflicts with LID Bylaw. <i>Stormwater Management and Land Disturbance Bylaw</i> is proposed for inclusion on the Spring 2009 Town Meeting warrant. Regulations will be finalized following Bylaw approval. YR07: <i>Stormwater Management Bylaw</i> was approved at the Fall 2009 Town Meeting. The Attorney General approved the Bylaw in Spring 2010. Accompanying regulations have not been developed for the Bylaw. However, the Bylaw references the Massachusetts Stormwater Management Handbook and Massachusetts Stormwater Management Regulations that include design standards and erosion controls.	Measurable goals for the 2003 General Permit have been met.
Revised				YR08: The Town continues to implement the <i>Stormwater Management Bylaw</i>. Although regulations have not yet been developed, the Bylaw includes performance standards by referencing the Massachusetts Stormwater Management Handbook and Massachusetts Stormwater Management Standards, which include design standards and erosion controls.	

4.1.3	Regulatory Mechanism – Evaluate sanctions for enforcement of erosion and sediment controls	SWMT/Selectmen's Office	YR01: Develop goals. YR02: Draft YR03: None. YR04: Develop final sanctions. YR05: Develop draft. YR06-08: Develop and implement final Bylaw.	YR01: SWMT reviewed goals and draft for 2005. YR02: Sanctions are part of WPA regulations and wetland bylaw. YR03: None. YR04: None. YR05: The draft LID Bylaw and regulations include sanctions for enforcement. YR06: The Bylaw and regulations include sanctions for enforcement. Bylaw is proposed for inclusion on the Spring 2009 Town Meeting warrant.	Measurable goals for the 2003 General Permit have been met.
Revised				YR07: <i>Stormwater Management Bylaw</i> was approved at the Fall 2009 Town Meeting. The Attorney General approved the Bylaw in Spring 2010. The Bylaw includes enforcement measures. YR08: BMP complete. Town continues to implement Bylaw, which includes enforcement provisions.	

4.2.1	Site Plan Review Procedures – Implement pre-construction review of project storm water pollution prevention plan (SWPPP)		YR01: None YR02-05: Identify and train staff. YR06-08: Conduct inspections.	YR01: None. YR02: Part-time building inspector hired, ConComm versed in stormwater, DPW cited as additional inspection department. YR03: None. YR04: Full-time Building Inspector hired. YR05: Building Inspector coordinated with Conservation Commission and DPW to review and enforce SWPPPs throughout projects. YR06: Pre-construction review and enforcement of SWPPPs continued by Building Inspector, Conservation Commission, and DPW. DPW issued one order to fix improperly installed silt fence. YR07: Pre-construction review and enforcement of SWPPPs are conducted by Conservation Commission with assistance from Building Inspector and DPW. The Building Inspector’s office at Town Hall displays EPA’s <i>Does Your Construction Site Need a Stormwater Permit? A Construction Site Operator’s Guide to EPA’s Stormwater Permit Program</i> brochures, that include SWPPP information. YR08: Town conducts “round table” pre-construction reviews of proposed development. At “round table” discussion, Planning, Building, Health, Fire, ConComm, and DPW raise questions and concerns. Pre-construction review and enforcement of SWPPPs continued by Conservation Commission with assistance from Building Inspector and DPW.	Measurable goals for the 2003 General Permit have been met.
Revised					

4.3.1	Site Inspection/ Enforcement Procedures – Conduct construction site inspections		YR01: None YR02-05: Identify and train staff. Review each project. YR06-08: Conduct inspections.	YR01: Budget reviewed for Site Inspection Training Course. YR02: Part-time building inspector hired, ConComm versed in stormwater, DPW cited as additional inspection department. YR03: None. YR04: Full-time Building Inspector hired. YR05: Depending on the projects local jurisdiction, trained Town staff conducted inspections. YR06: Construction site inspections continued to be conducted by Town staff, depending on jurisdiction. YR07: Construction site inspections continued to be conducted by Town staff, depending on jurisdiction. YR08: Depending on jurisdiction (Conservation, DPW, Building, Board of Health), construction site inspections continued to be conducted.	Measurable goals for the 2003 General Permit have been met. The Town will continue to conduct site inspections as budget allows.
Revised					
4.3.2	Site Inspection/ Enforcement Procedures – Develop a procedure for handling reports from the public of non-compliance	SWMT	YR01: None. YR02-08: Determined complaints to be handled on a case-by-case basis.	YR01: None. YR02: Procedure no longer necessary, schedule revised. YR03: No complaints received. YR04: No complaints received. YR05: BoH and DPW continued to address complaints related to construction site runoff, as necessary. YR06: No complaints were received. YR07: DPW addressed 2 complaints for runoff from construction sites. YR08: No complaints received.	Measurable goals for the 2003 General Permit have been met. The Town will continue to address construction related complaints as budget allows.
Revised					

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 – Next Permit Term
5.1.1	Regulatory Mechanism – Develop and implement bylaws regulating controls for post-construction runoff utilizing appropriate BMPs	SWMT	YR01: Draft bylaw YR02-03: Revise bylaw YR04-08: Pass and implement bylaws	YR01: Infiltration policy already adopted by ConComm. Town working to develop new policies. YR02: None. YR03: Schedule revised. YR04: Bylaw drafted. YR05: Development of the LID Bylaw and regulations continued as part of EOE Smart Growth grant received by Town, including controls for post-construction site stormwater runoff. Drafts are developed, and the bylaw is planned to be included on the Fall 2008 Town Meeting warrant.	Measurable goals for the 2003 General Permit have been met. The Town will continue to conduct peer reviews of drainage designs for appropriate BMPs.
Revised				YR06: Post Construction Stormwater Management of New Development and Redevelopment is drafted and proposed for inclusion on the Spring 2009 Town Meeting warrant. YR07: Post-construction runoff is addressed with the <i>Stormwater Management Bylaw</i> , approved at the Fall 2009 Town Meeting. The Attorney General approved the Bylaw in Spring 2010. Planning Board has consultant on staff that conducts drainage peer reviews. The Conservation Commission displays LID BMP brochures at Town Hall on ecological landscaping, rain gardens, and butterfly gardens. YR08: Post-construction runoff is addressed with the <i>Stormwater Management Bylaw</i>. Planning Board has consultant on staff that conducts drainage peer reviews. The Conservation Commission continues to display LID BMP brochures at Town Hall on ecological landscaping, rain gardens, and butterfly gardens.	

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 – Next Permit Term
5.2.1	Review BMP Designs – Pre-construction review for conformance with standards/regulations	Planning Board/ Conservation Commission	YR01-08: Review each project.	YR01: ConComm conducted pre-construction and construction inspections through NOI process. YR02-04: Coordinated review by DPW, Planning, and ConComm. YR05: Coordinated local permitting and development review process. YR06: Continued coordinating permitting and development review process for each project.	Measurable goals for the 2003 General Permit have been met. The Town will continue to coordinate permitting and development review process for projects.
Revised				YR07: Continued to coordinate permitting and development review process for each project. YR08: Town continues to coordinate permitting and development review process for each project, including “round table” discussion where Planning, Building, Health, DPW, Conservation raise questions and concerns.	

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 – Next Permit Term
5.3.1	Site Inspection/ Enforcement Procedures – During construction, inspect that BMPs are properly constructed	Planning Board/ Conservation Commission/ DPW	YR01-08: Inspect each project	<p>YR01: ConComm conducted pre-construction and construction inspections through NOI process.</p> <p>YR02: DPW, Planning, and ConComm identified as primary site inspectors.</p> <p>YR03: None.</p> <p>YR04: None.</p> <p>YR05: DPW Director conducts inspections. Plan to train other staff on inspections in Spring 2008 as part of Good Housekeeping Workshop (see BMP 6.1.1). The draft LID Bylaw and regulations incorporate language to require construction inspections and enforcement.</p> <p>YR06: DPW conducts inspections. Good Housekeeping Workshop held on June 3, 2008 included inspection training. In addition, the Bylaw and regulations require construction inspection and enforcement.</p> <p>YR07: DPW conducts inspections. The <i>Stormwater Management Bylaw</i> references the Mass Stormwater Management Handbook and Regulations for BMP construction criteria.</p> <p>YR08: ConComm and/or DPW conduct pre- and post-construction inspections for permitted projects. Town's Bylaw includes post-construction stormwater management standards consistent with the Massachusetts Stormwater Management Handbook and Standards.</p>	<p>Measurable goals for the 2003 General Permit have been met.</p> <p>The Town will continue to conduct construction inspections as budget allows.</p>

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 – Next Permit Term
5.3.2	Site Inspection/ Enforcement Procedures – Post-construction provide inspection to be assured that BMP’s O&M procedures have been followed	DPW	YR01: None. YR02-YR03: Identify and train staff. YR04-08: Inspection as required.	YR01: N/A YR02: DPW, Planning, and ConComm identified as primary site inspectors. YR03: None. YR04: None. YR05: DPW Director conducts inspections. Plan to train other staff on inspections in Spring 2008 as part of Good Housekeeping Workshop (see BMP 6.1.1). The draft LID	Measurable goals for the 2003 General Permit have been met.
Revised				Bylaw and regulations incorporates language to require post-construction inspections and enforcement. YR06: DPW continues to conduct inspections. The Bylaw and regulations include post-construction inspections and enforcement. YR07: DPW continues to conduct inspections. The <i>Stormwater Management Bylaw</i> references the Mass Stormwater Management Handbook and Regulations for BMP O&M and enforcement. YR08: ConComm and/or DPW conduct pre- and post-construction inspections for permitted projects. The <i>Stormwater Management Bylaw</i> references the Mass Stormwater Management Handbook and Regulations for BMP O&M and enforcement.	
5.4.1	O&M Procedures for Stormwater BMPs – Develop procedures for O&M requirements for structural BMPs	SWMT	YR01: None. YR02-04: Develop procedures. YR05-08: None.	YR01: None. YR02: No Town-specific procedures developed. Town relies on State and Federal O&M guidelines. YR03-07: No further action required. YR08: No further action required. Town’s <i>Stormwater Management Bylaw</i> requires O&M procedures consistent with the MA Stormwater Management Handbook.	Measurable goals for the 2003 General Permit have been met.
Revised					

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 – Next Permit Term
6.1.1	<p>Employee Training Program – Training on oil spill reporting and response, hazardous materials, and pesticide and fertilizer application</p>	DPW/Fire Department	<p>YR01-06: Conduct annual training. YR07-08: Implement training program initiatives.</p>	<p>YR01: Hazardous material discharge responsibility transferred to Fire Department, who received annual training. Goal is to obtain pesticide application license at DPW. YR02: None. YR03: Fire Department trained. Town no longer uses pesticides. DPW staff attended LID Training Workshop by CEI in October 2005. YR04: One DPW employee trained in fertilizer application. YR05: Training program was expanded to include a Good Housekeeping Workshop, which included a review of spill response, hazardous materials, and pesticide/fertilizer application BMPs. Program also includes vehicle maintenance BMPs, and proper roadway and stormwater system maintenance. Also includes procedures for addressing illicit discharges/illegal dumping. Good Housekeeping Workshop is planned for Spring 2008. One DPW employee continues to be annually trained in proper fertilizer application. Fire Department had annual training on oil spill reporting and response. YR06: Good Housekeeping Workshop was held on June 3, 2008 and included DPW, Water, Sewer, Police, Fire, Public School representative, Conservation Commission, and Board of Health. Workshop reviewed Town's stormwater management program and good housekeeping Best Management Practices (BMPs) for municipal facilities and street drainage maintenance. YR07: DPW calls Fire Dept. for any major spills; minor spills are addressed with spill containment equipment and materials at DPW Garage. Pesticides and fertilizers are not used on public lawns. YR08: Town employees continue to be aware of proper spill reporting/response, hazardous materials, and pesticide/fertilizer application. The Fire Dept. addresses major spills throughout Town and notifies DPW. DPW responds to assist with cleanup and close off MS4 system to prevent contamination. Minor spills are addressed with spill containment equipment and materials at DPW Garage. Pesticides and fertilizers are not used on public lawns.</p>	<p>Measurable goals for the 2003 General Permit have been met.</p> <p>Town will continue to keep employees trained and implement training program initiatives, as budget allows.</p>

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 – Next Permit Term
6.2.1	Stormwater Sewer System Operation and Maintenance – Storm sewer system and catch basin inspection and cleaning program.	DPW	YR01-08: Annual inspection and cleaning.	<p>YR01: Outside contractor (Sam’s Catch Basin Cleaning) hired.</p> <p>YR02-03: Contractor inspected and tracked 450 catch basins of 901 total catch basins.</p> <p>YR04: BMP revised to include BMP 6.2.2 (Storm sewer system and catch basins cleaning program). Sam’s Catch Basin Cleaning inspected and cleaned 100% of Town’s 901 catch basins. Approximately \$30,000 spent on annual catch basin cleaning.</p> <p>YR05: Town continued catch basin inspection and cleaning through contract with Sam’s Catch Basin Cleaning. 100% of Town’s catch basins were cleaned. Approximately \$20,000 spent on annual cleaning.</p> <p>YR06: 414 Town catch basins were cleaned. Approximately 150 tons of sand was removed. Inspection and cleaning conducted by Sam’s Catch Basin Cleaning.</p> <p>YR07: 575 Town catch basins were cleaned. Approximately 325 cubic yards of sediment and debris were removed. Inspection and cleaning conducted by Sam’s Catch Basin Cleaning.</p> <p>High traffic and priority areas were assessed for cleaning; Town could not clean 100% of basins due to budget constraints.</p> <p>YR08: Town optimizes catch basin cleaning to focus on problem areas (areas with flooding due to persistent sedimentation or organic debris buildup). Town inspects catch basins in problem areas before 1” of rain or more is expected. Typically, in a year, the Town has 70% of basins cleaned by Sam’s Catch Basin Cleaning Company. In 2010, 535 Town catch basins were cleaned and approximately 310 cubic yards of sediment and debris were removed.</p> <p>Town flushed approximately 200’ of drain pipe on Mill Street, 100’ of drain pipe on Mayfield Street, and 60’ of driveway culverts on Summer Street to alleviate flooding.</p>	<p>Measurable goals for the 2003 General Permit have been met.</p> <p>The Town will continue to clean catch basins as budget allows.</p>
Revised					

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 – Next Permit Term
6.2.3	Stormwater Sewer System Operation and Maintenance – Structural BMP inspection and maintenance program	DPW	YR01: Develop and implement record keeping. YR01-08: Inspect all BMPs once a year.	YR01: Outside contractor (Sam’s Catch Basin Cleaning) hired. YR02: Need to develop long term record keeping procedures. YR03-04: DPW inspected structural BMPs annually. Rebuilt 14 catch basins.	Measurable goals for the 2003 General Permit have been met.
Revised				YR05: Forms for documenting structural BMP maintenance have been drafted. Continued annual inspections. YR06: Forms for documenting structural BMP maintenance were finalized and used for documenting inspections. Annual inspections continued. 14 catch basins were Rebuilt, 4 frame and grate covers Were reset, 100 feet of drainage pipe Flushed. YR 07: Continued inspections. 11 catch basins were repaired as follows: 7 catch basins were partially rebuilt and frame & grates were reset; 2 catch basins were partially rebuilt, frame & grates were reset and debris removed; 1 catch basin was partially rebuilt and debris removed; 1 catch basin had asphalt removed and area was regraded and paved. YR08: Town continued to inspect catch basins, drainage manholes, and outfalls. 6 catch basins were repaired as follows: 3 were partially rebuilt and frame & grates were reset; 2 were partially rebuilt; 1 was partially rebuilt, frame & grate was reset, and debris removed.	The Town will continue to maintain their drainage system and document repairs as budget allows.

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 – Next Permit Term
6.4.1	Municipal Industrial Operations – Evaluate operations at the Public Works Facility, transfer station, and the WWTF	DPW Consultant	YR01-05: Develop and implement a program to reduce pollutant runoff from municipal operations. YR06-08: Continue to implement schedules and procedures.	YR01-02: DPW installed series of sediment basins, stone trenches, and sediment ponds at highway garage. Installed fence to discourage illegal dumping, resloped riverbank to reduce erosion at WWTP. YR02: None. YR03: None. YR04: DPW reviewed individual SWPPP requirements and determined it is not necessary under the general permit to develop SWPPPs for each facility. YR05: A municipal facility inventory, including identification of applicable good housekeeping BMPs for municipal operations is being developed. BMPs will be reviewed as part of Good Housekeeping Workshop. Schedules and procedures are in development for municipal maintenance activities and inspections of long-term structural controls. YR06: Municipal facility inventory was completed in June 2008. Schedules and procedures were developed implemented. YR07: Schedules and procedures continue to be implemented. YR08: DPW continues to implement schedules and pollution prevention procedures identified in the municipal facility inventory.	Measurable goals for the 2003 General Permit have been met. The Town will continue to implement schedules and procedures for municipal maintenance activities as budget allows.

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 – Next Permit Term
6.4.2	Municipal Industrial Operations – Review maintenance/repair programs for municipal vehicles, vehicle washing controls, and vehicle fueling operations.	DPW	YR01: None. YR02-03: Develop program controls and record keeping. YR04: None. YR05-08: Implement program controls and record keeping.	YR01: N/A YR02: Need to develop a recording system for vehicle repair. YR03: None. YR04: BMP revised to include BMP 6.4.3 (review municipal vehicle washing controls) and 6.4.5 (review fueling operations). Vehicle fueling sensing equipment reviewed 2x/year, records kept. YR05: Reviewed maintenance and repair programs at municipal facilities. Reviewed recommended BMPs for vehicle repair/maintenance, vehicle washing, and vehicle fueling at good housekeeping workshop. Continued to review vehicle fueling sensing equipment. YR06: Implemented BMPs and recommendations related to maintenance and repair programs at municipal facilities. YR07: Continue to implement BMPs and recommendations related to maintenance and repair programs at municipal facilities. YR08: DPW continues to implement BMPs and recommendations related to maintenance and repair programs at municipal facilities. DPW follows proper procedures for repairs/maintenance, washing, and fueling vehicles.	Measurable goals for the 2003 General Permit have been met. The Town will continue to implement BMPs and recommendations related to maintenance and repair program at municipal facilities as budget allows.

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 – Next Permit Term
6.4.4	Municipal Industrial Operations – Review salt storage operations	DPW	YR01-08: No longer need to develop and implement program controls and record keeping, due to revised salt operation practices.	<p>YR01-04: Salt operation reviewed, conducted under salt shed cover.</p> <p>YR05: Continued conducting salt operations under salt shed cover. Reviewed salt storage and application procedures at Good Housekeeping Workshop (see BMP 6.1.1). Purchased 2,177.27 tons of NaCl for winter de-icing operations.</p> <p>YR06: Salt operations were conducted under cover. Purchased 618 tons of sand and 974 tons of NaCl for winter deicing at a total cost of \$68,500.</p> <p>YR07: Salt operations were conducted under cover. Purchased 950 tons of sand and 400 tons of NaCl for winter deicing.</p> <p>YR08: Salt storage operations continued to be conducted under cover. Purchased 950 cubic yards of sand and 400 tons of NaCl for winter deicing. In 2010, Town purchased two new deicing units that are electronically speed controlled to spray magnesium chloride. Town uses just as snowfall begins, ultimately minimizes need for plowing and amount of sand and deicing agent applied.</p>	Measurable goals for the 2003 General Permit have been met. Salt operations are conducted under a covered building.

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 – Next Permit Term
6.5.1	Municipal Roads – Street sweeping	DPW	YR01: None YR02-08: Annual street sweeping. Strengthen record tracking system. Evaluate frequency in urban areas.	YR01: None. YR02: None. YR03: Conducted annually and as needed. YR04: Conducted 2x/year. Frequency of street sweeping increased throughout town from 1x/year to 2x/year. YR05: Continued street sweeping all Town roads 2x/year (Spring and Fall) and continued record keeping. YR06: Continued street sweeping all Town roads. In 2008, roads were swept once in the Spring, due to budget constraints. YR07: In Spring 2009, all Town roads were swept once; Downtown was swept twice and for parades. YR08: In Spring 2010, all Town roads were swept once; downtown was swept more frequently and for parades. In 2010, town purchased a new mechanical broom, pre wetting sweeper.	Measurable goals for the 2003 General Permit have been met. The Town will continue to sweep Town streets as budget allows.

7. BMPs for Meeting Total Maximum Daily Load (TMDL) Waste Load Allocations (WLA)

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 – Next Permit Term
7.1.1	Address Assabet River Nutrient TMDL Report	SWMT	YR05-08: Review TMDL Report and select appropriate BMPs for Town to address recommendations from report.	YR04: BMP added. YR05: SWMT reviewed Assabet River TMDL report and selected appropriate BMPs to address recommendations from report. YR06: BMPs were previously selected. Implementation of BMPs to address Assabet River Nutrient TMDL continued. YR07: BMPs identified under Minimum Control Measures 1 through 6 to address the Assabet River Nutrient TMDL continue to be implemented.	Measurable goals for the 2003 General Permit have been met.
Revised				YR08: The Assabet River Nutrient TMDL continues to be addressed through BMPs implemented and identified under Minimum Control Measures 1 through 6.	

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 – Next Permit Term
7.1.2	Phosphorus Specific Education - Distribute brochures at Town Hall and include education about phosphorus reduction activities for homeowners and businesses as part of Public Education and Outreach Program.	SWMT	YR05-08: Record locations of brochure distribution and posters.	<p>YR05: BMP added. The new display titled <i>Maynard's Stormwater Management Program</i> includes language about phosphorus in the Assabet River and phosphorus reduction activities. New EPA brochures at Town Hall describe practices including lawn and garden care, home repair and improvement, pet care, and septic system use and maintenance.</p> <p>YR06: Display titled <i>Maynard's Stormwater Management Program</i> continued to be available at Town Hall and Library. EPA brochures continued to be available at Town Hall. New SuAsCo Stormwater Matters posters, bookmarks, and postcards include information about proper fertilizer use and lawn care.</p> <p>YR07: Display titled <i>Maynard's Stormwater Management Program</i> continued to be available at Town Hall and Library. EPA and SuAsCo brochures continued to be available at Town Hall. SuAsCo Stormwater Matters posters, bookmarks, and postcards include information about proper fertilizer use and lawn care.</p> <p>YR08: Display titled <i>Maynard's Stormwater Management Program</i> continued to be available at Town Hall and Library, and describes phosphorus in the Assabet River and phosphorus reduction activities. EPA and SuAsCo brochures continued to be available at Town Hall. SuAsCo Stormwater Matters posters, bookmarks, and postcards include information about proper fertilizer use and lawn care. Conservation also makes these brochures available at Public Meetings and Town events.</p>	<p>Measurable goals for the 2003 General Permit have been met.</p> <p>Stormwater displays and brochures are continuously used.</p>

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 – Next Permit Term
7.1.3	Press Release – Develop a press release that mentions phosphorus, why it matters, and directs readers to public education materials describing what homeowners and businesses can do to reduce phosphorus loading to the Assabet River.	SWMT	YR05-06: Record date of press release. YR07-08: None.	YR05: Press release drafted and submitted to the Beacon Villager. YR06: Press release published in the Beacon Villager on May 2, 2008. No further action required (BMP complete). YR07: BMP complete YR08: BMP complete	Measurable goals for the 2003 General Permit have been met.

7b. WLA Assessment

Per Part I.D.3. of the General Permit, “if the MS4 is required to implement storm water waste load allocation provisions of the TMDL, the permittee must assess whether the WLA is being met through implementation of existing storm water control measures or if additional control measures are necessary. The permittee’s assessment of whether the WLA is being met is expected to focus on the adequacy of the permittee’s storm water controls (implementation and maintenance), not on the response of the receiving water.”

Maynard’s MS4 discharges into the Assabet River, which has an approved Final TMDL for Total Phosphorus. Because the TMDL is for a pollutant likely to be found in storm water discharges from Maynard’s MS4, their Stormwater Management Program includes BMPs that address the waste load allocation (WLA). The TMDL includes a load allocation of 1.0 lbs/day for watershed non-point source (NPS) pollution, but provides no BMP recommendations or other performance requirements for stormwater discharges. In addition, there are no Performance Agreements or Memorandum of Understandings for BMP and performance standard modifications of the TMDL provided on the MassDEP website.¹

Maynard’s Stormwater Management Program includes a number of existing stormwater control measures, as reported in the above Annual Report, that address pollutants of concern in water quality impaired waters and total phosphorus. The BMPs identified under

¹ MassDEP Total Maximum Daily Load website: <http://www.mass.gov/dep/water/resources/tmdls.htm>

Minimum Control Measures (MCMs) 1 through 6, including, but not limited to, those relating to public education, implementation and enforcement of the Storm Drain System By-law that regulates illicit discharges, Stormwater Management Bylaw, construction and post-construction inspections, employee training, and the good housekeeping measures such as street sweeping, catch basin cleaning, and the elimination of pesticide and fertilizer use help prevent phosphorus, pathogens, organics, and metals from entering the water bodies within Town that include the Assabet River. In addition, the BMPs identified in the Town's Stormwater Management Program help reduce taste, odor, and color problems and modifications to temperature within water bodies.

This year the Town continued to display the *Maynard's Stormwater Management* poster and make available brochures that include language on the effects of phosphorus to water bodies and practices to reduce phosphorus from entering the Assabet River.

Part IV. Summary of Information Collected and Analyzed

N/A

Part V. Program Outputs & Accomplishments (OPTIONAL)

(Since beginning of permit coverage unless specified otherwise by a **, which indicates response is for period covering April 1, 2010 and March 31, 2011)

Programmatic

	(Preferred Units)	Response
Stormwater management position created/staffed	(y/n)	N
Annual program budget/expenditures **	(\$)	
Total program expenditures since beginning of permit coverage	(\$)	
Funding mechanism(s) (General Fund, Enterprise, Utility, etc)		

Education, Involvement, and Training

(Preferred Units) Response

Estimated number of property owners reached by education program(s)	(# or %)	
Stormwater management committee established	(y/n)	Y
Stream teams established or supported	(# or y/n)	Y
Shoreline clean-up participation or quantity of shoreline miles cleaned **	(y/n or mi.)	Y
Shoreline cleaned since beginning of permit coverage	(mi.)	
Household Hazardous Waste Collection Days		
▪ days sponsored **	(#)	1
▪ community participation **	(# or %)	
▪ material collected **	(tons or gal)	>1 ton
School curricula implemented	(y/n)	Y

Legal/Regulatory

	In Place Prior to Phase II	Reviewing Existing Authorities	Drafted	Draft in Review	Adopted
Regulatory Mechanism Status (indicate with "X")					
▪ Illicit Discharge Detection & Elimination					X
▪ Erosion & Sediment Control					X
▪ Post-Development Stormwater Management					X
Accompanying Regulation Status (indicate with "X")					
▪ Illicit Discharge Detection & Elimination					N/A
▪ Erosion & Sediment Control			X		
▪ Post-Development Stormwater Management			X		

Mapping and Illicit Discharges

	(Preferred Units)	Response
Outfall mapping complete	(%)	Y
Estimated or actual number of outfalls	(#)	~90
System-Wide mapping complete (complete storm sewer infrastructure)	(%)	Y
Mapping method(s)		
▪ Paper/Mylar	(%)	
▪ CADD	(%)	
▪ GIS	(%)	100%
Outfalls inspected/screened **	(# or %)	100%
Outfalls inspected/screened (Since beginning of permit coverage)	(# or %)	100%
Illicit discharges identified **	(#)	
Illicit discharges identified (Since beginning of permit coverage)	(#)	
Illicit connections removed **	(#); and (est. gpd)	
Illicit connections removed (Since beginning of permit coverage)	(#); and (est. gpd)	
% of population on sewer	(%)	~99%
% of population on septic systems	(%)	~1%

Construction

	(Preferred Units)	Response
Number of construction starts (>1-acre) **	(#)	
Estimated percentage of construction starts adequately regulated for erosion and sediment control **	(%)	100%
Site inspections completed **	(# or %)	
Tickets/Stop work orders issued **	(# or %)	0
Fines collected **	(# and \$)	0
Complaints/concerns received from public **	(#)	0

Post-Development Stormwater Management

	(Preferred Units)	Response
Estimated percentage of development/redevelopment projects adequately regulated for post-construction stormwater control	(%)	100%
Site inspections (for proper BMP installation & operation) completed **	(# or %)	100%
BMP maintenance required through covenants, escrow, deed restrictions, etc.	(y/n)	
Low-impact development (LID) practices permitted and encouraged	(y/n)	Y

Operations and Maintenance

	(Preferred Units)	Response
Average frequency of catch basin cleaning (non-commercial/non-arterial streets) **	(times/yr)	<1
Average frequency of catch basin cleaning (commercial/arterial or other critical streets) **	(times/yr)	<1
Qty of structures cleaned **	(#)	535
Qty. of storm drain cleaned **	(%, LF or mi.)	300 lf.
Qty. of screenings/debris removed from storm sewer infrastructure **	(lbs. or tons)	310 cu. yd.
Disposal or use of screenings (landfill, POTW, compost, beneficial use, etc.) **	(location)	Reuse/recycle/ Proper disposal by contractor

(Preferred Units) Response

	(Preferred Units)	Response
Basin Cleaning Costs		
• Annual budget/expenditure (labor & equipment)**	(\$)	\$11,000
• Hourly or per basin contract rate **	(\$/hr or \$ per basin)	\$90/hour
• Disposal cost**	(\$)	
Cleaning Equipment		
• Clam shell truck(s) owned/leased	(#)	1, leased
• Vacuum truck(s) owned/leased	(#)	0
• Vacuum trucks specified in contracts	(y/n)	0
• % Structures cleaned with clam shells **	(%)	100%
• % Structures cleaned with vector **	(%)	0%

(Preferred Units) Response

Average frequency of street sweeping (non-commercial/non-arterial streets) **	(times/yr)	1
Average frequency of street sweeping (commercial/arterial or other critical streets) **	(times/yr)	>1
Qty. of sand/debris collected by sweeping **	(lbs. or tons)	
Disposal of sweepings (landfill, POTW, compost, beneficial use, etc.) **	(location)	Beneficial use/compost
Annual Sweeping Costs		
• Annual budget/expenditure (labor & equipment)**	(\$)	
• Hourly or lane mile contract rate **	(\$/hr. or ln mi.)	
• Disposal cost**	(\$)	
Sweeping Equipment		
• Rotary brush street sweepers owned/leased	(#)	1, owned
• Vacuum street sweepers owned/leased	(#)	0
• Vacuum street sweepers specified in contracts	(y/n)	0
• % Roads swept with rotary brush sweepers **	%	100%
• % Roads swept with vacuum sweepers **	%	0%
Reduction (since beginning of permit coverage) in application on public land of: ("N/A" = never used; "100%" = elimination)		
▪ Fertilizers	(lbs. or %)	100%
▪ Herbicides	(lbs. or %)	N/A
▪ Pesticides	(lbs. or %)	100%
Integrated Pest Management (IPM) Practices Implemented	(y/n)	N

	(Preferred Units)	Response
Average Ratio of Anti-/De-Icing products used ** (also identify chemicals and ratios used in specific areas, e.g., water supply protection areas)	% NaCl % CaCl ₂ % MgCl ₂ % CMA % Kac % KCl % Sand	30% 70%
Pre-wetting techniques utilized **	(y/n or %)	N
Manual control spreaders used **	(y/n or %)	Y
Zero-velocity spreaders used **	(y/n or %)	N
Estimated net reduction or increase in typical year salt/chemical application rate	(±lbs/ln mi. or %)	
Estimated net reduction or increase in typical year sand application rate **	(±lbs/ln mi. or %)	
% of salt/chemical pile(s) covered in storage shed(s)	(%)	100%
Storage shed(s) in design or under construction	(y/n or #)	
100% of salt/chemical pile(s) covered in storage shed(s) by May 2008	(y/n)	Y

Water Supply Protection

	(Preferred Units)	Response
Storm water outfalls to public water supplies eliminated or relocated	(# or y/n)	
Installed or planned treatment BMPs for public drinking water supplies and their protection areas	(# or y/n)	
<ul style="list-style-type: none"> Treatment units induce infiltration within 500-feet of a wellhead protection area 	(# or y/n)	