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Municipality/Organization: Town of Blackstone

EPA NPDES Permit Number: MA041015

MADEP Transmittal Number: W-040562

Annual Report Number & Reporting Period: No. 12: April 2014-March 2015

NPDES PII Small MS4 General Permit Annual Report

Part I. General Information

Contact Person: James Sullivan Title: Superintendant of Public Works

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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: James M Sullivan

Printed Name: JAMES M. SULLIVAN

Title: SUPERINTENDANT OF PUBLIC WORKS

Date: 4-23-15

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Part II. Self-Assessment

The Town of Blackstone has completed the required self assessment. This report covers permit year 12 (April 2014 through March 2015). The Town continues to perform annual “Good Housekeeping” tasks such as an ongoing rubbish cleanup program, catch basin cleaning and inspection, street sweeping, drain line and outfall cleaning, and infrastructure repair. The Town has also made progress in the Public Education and Public Involvement and Participation sections of the Permit. An outside consulting firm has been hired to assist the Planning Board and continues to review site plans and perform site inspections for stormwater compliance in proposed developments. All known outfalls have been mapped and a consulting firm inspects the Town’s outfalls for signs of illicit discharges on a rotating basis each year. Additionally, an Illicit Discharge Detection and Elimination (IDDE) Plan is in place. The Program Components of the IDDE plan were described in the April 2005 “NPDES Phase II Stormwater Permit—Illicit Discharge Detection and Elimination (IDDE) Program” Report that was submitted as part of the Year 2 Annual Report.

In a previous permit year, the Town of Blackstone drafted and passed a stormwater bylaw to assist in enforcement related to the removal of illicit connections and to establish general rules and regulations for use of the Town’s Stormwater System.

Blackstone has also been proactive in stormwater management. Work on a stormwater retrofit for the Town Hall began in 2012 and is now complete. The retrofit included installation of low impact stormwater management measures, such as pervious asphalt, bioretention areas, and tree plantings.

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 12 (Reliance on non-municipal partners indicated, if any)
1-1	Provide Educational Materials to Residents	Town Engineer	Blackstone will post information annually in the Blackstone Enlightener and through informational pamphlets (see BMP 2-2).	During this reporting period, the Town posted messages regarding ways to reduce stormwater runoff pollution on the Department of Public Works (DPW) web page. This information was also broadcast daily on the local cable access channel. Additional educational material was provided at the annual Town meeting, when fifty copies of a flyer on stormwater pollution prevention were handed out.
1-1	Revised	Town Engineer/Blackstone Millville Regional School District Science Department	Blackstone will post information annually on the Town website and on the local access cable stations. Blackstone will distribute informational pamphlets to residents.	As noted above in BMP 1-1, the Town has provided stormwater pollution prevention information on the website and cable access. Additionally, the Town website links to the Town wetlands bylaw, MassDEP regulations and standards page, the Massachusetts Wetland Protection Act, the Blackstone River Coalition homepage, and the MassDEP Rivers Protection Act page.
1-2	Evaluate Potential for Classroom Education	Blackstone Millville Regional School District	Meet with Blackstone Millville Regional School District Science Department. Evaluate development of curriculum for high school students.	Education is being carried out as noted in BMP 1-1. Additionally, stenciling of Town catch basins with a “No Dumping” message was undertaken in partnership with local Boy Scouts in 2008. This stenciling was renewed on about 20 catch basins during this reporting period.

2. Public Involvement and Participation

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 12 (Reliance on non-municipal partners indicated, if any)
2-1	Request feedback on the Stormwater Management Plan from Town Officials.	Town Engineer	Send letter requesting input on the Stormwater Management Plan to Town boards and officials.	Representatives of the Department of Public Works regularly hold face to face meetings with Town boards and officials to discuss the stormwater management program.
2-2	Informational Questionnaire to Residents	Town Engineer	Publish questionnaire in the Blackstone Enlightener requesting information about storm drain systems (e.g. if they are aware of pipes in their yard, foaming).	This questionnaire was published in 2008 and 2009. The Town continues to solicit information from residents regarding stormwater infrastructure issues on or near private property. For example, a resident notified the DPW that damage to a nearby swale was causing stormwater backups on private property. The DPW responded and repaired the swale.
2-3	Status updates to Town Officials	Town Engineer	Present status update to municipal boards on annual basis.	The Department of Public Works regularly reports to municipal officials. In addition, the Annual Outfall Inspection Report is shared with the Selectmen and Town Administrator.

3. Illicit Discharge Detection and Elimination

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 12 (Reliance on non-municipal partners indicated, if any)
3-1	Stormwater System-Existing conditions	Town Engineer	The Town of Blackstone will prepare base maps.	The Town of Blackstone has GPS data and maps for outfalls, manholes and catch basins within the system. All the information, including baseline photos and locations of each outfall, are organized into a book. Additional information is provided by ongoing annual inspections of stormwater outfalls by a consultant.
3-2	Request information from Town residents regarding illicit discharges.	Town Engineer	See BMP 2-2	See 2-2
3-3	Storm Sewer Inspections	Town Engineer	<ol style="list-style-type: none"> 1. Develop inspection checklist 2. Prioritize inspections 3. Create database for existing conditions 4. Identify source(s) of illicit discharge(s). 	32 stormwater outfalls were visually inspected by a consultant during the previous reporting period. A report of this activity was provided to the Town. No illicit discharges were found.
3-4	Develop improvement program	Town Engineer	Prepare improvement plan. Evaluate repair costs. Prioritize upgrades based on needs and costs.	The improvement program is dependent on the results of the IDDE Plan; no confirmed illicit discharges have been found at this time.
3-5	Capital Improvement Plan	Town Engineer	<ol style="list-style-type: none"> 1. Prepare multi-year capital improvement plan 2. Present plan to Capital Outlay Committee. 	<p>At this time, the Town allocates a \$50,000 budget for stormwater. Drainage capital improvements are being made on an as needed basis.</p> <p>During this reporting period, storm drains on Mendon Street (August 2014), Summer Street (April 2014) and lower Blackstone Street (November 2014) were repaired. In addition, a total of six catch basins were refurbished on Summer Street as part of this work.</p>
3-6	Implement Capital Improvement Plan	Town Engineer/DPW	Implement improvement program to the extent allowable within capital and operational means.	At this time, drainage capital improvements are being made on an as needed basis.

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 12 (Reliance on non-municipal partners indicated, if any)
3-7	Enforcement Procedures Addressing Discharges	Planning Board	Blackstone will review whether local authority is appropriate and able to respond to potential illicit discharges. New bylaws, if necessary, will be proposed to Town Meeting.	<p>A new stormwater bylaw was drafted during Year 8. It was proposed during the May 17, 2011 Town Meeting and was passed.</p> <p>No illicit discharges were discovered during this reporting period. Consequently, there has been no enforcement during this reporting period. An IDDE plan is in place and all Town outfalls are inspected on a rotating basis.</p>

4. Construction Site Stormwater Runoff Control

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 12 (Reliance on non-municipal partners indicated, if any)
4-1	Site Plan Review	Town Engineer/Planning Board	Meet with Planning Board to discuss stormwater requirements.	Requirements have been determined and a bylaw has been enacted.
4-2	Construction Stormwater Ordinance	Planning Board	Evaluate opportunities to modify planning bylaws to include stormwater ordinance.	A bylaw regarding this BMP was drafted during a previous reporting period. The bylaw was proposed in the May 17, 2011 Town Meeting and was passed. Meeting minutes showing passage of and containing the bylaw were attached to the Permit Year 8 Annual Report.
4-3	Enforcement	Planning Board	Evaluate inspection and enforcement opportunities.	The Town retains a consultant to inspect construction projects and recommend enforcement actions when needed. Projects including the Glenside development and Sycamore Meadows were inspected multiple times during this reporting period. A cease and desist order was issued for the Sycamore Meadows project on October 14, 2014 due to site run off.

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 12 (Reliance on non-municipal partners indicated, if any)
5-1	Ordinance-Post Construction	Planning Board/DPW/Town Engineer	Evaluate opportunities to modify planning regulations requiring contractors to guarantee work.	A bylaw regarding this BMP was planned during a previous reporting period. The bylaw was proposed in the May 17, 2011 Town Meeting and was passed. See the Permit Year 8 Annual Report attachment for the meeting minutes and text of the bylaw.

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 12 (Reliance on non-municipal partners indicated, if any)
6-1	Employee Training	Town Engineer/DPW	Establish training needs and program for employees.	DPW staffers attended trainings held by Massachusetts DCR and New England Waterworks in the Spring of 2014, as well as a conference at the DCU Center in Worcester, MA regarding reservoir protection.
6-2	Street Sweeping Program	Town Engineer/DPW	Develop program and schedule for sweeping streets.	The DPW has a program for street sweeping. About 90% of all paved roads are swept each year in the spring (March/April). Additional sweeping is completed in the fall on an as needed basis, so some streets, especially in the heavily trafficked downtown area, are swept twice per year.
6-3	Catch Basin Cleaning Program	Town Engineer/DPW	Develop a program and schedule for cleaning storm drain systems.	Catch Basin cleaning is performed in the summer (after street sweeping) on a rotating basis. The focus is areas such as Harris Pond, Lake Hiawatha, Blackstone Street, and the Millerville section. The Town monitors catch basin cleaning each year and adjusts the cleaning frequency as required. Some catch basins on trunk lines (where debris has a tendency to accumulate) may be cleaned twice per year if necessary. A catch basin inspection form is used for documentation.

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 12 (Reliance on non-municipal partners indicated, if any)
6-4	Other Programs and Policies	Town Engineer	Evaluate the need for other programs and policies that can improve stormwater quality.	<p>The Town jet cleans drainage piping on a rotating basis. During this reporting period, jet cleaning was performed in the Fall of 2014.</p> <p>Outfalls numbered 1, 2, 18, 22, 46, 54 and 56 were cleared of obstructing vegetative growth, leaf litter and/or blockages during December 2014 and January 2015 in response to the outfall inspection report issued by the Town's consultant.</p> <p>The Department of Public Works also has a plan in place and materials on hand for response to hydraulic oil spills (in case of burst or leaking construction equipment hydraulic lines) on construction sites or in the Town yards.</p> <p>The Town has continued working with local penitentiary officials to provide an inmate roadway cleanup program. In this reporting period, the inmates assisted with cleaning of Elm Street, Canal Street and Bellingham Road, or a total of five miles of roadway. Cleaning included the removal of silt within a ten foot radius around catch basins.</p> <p>The Town is leading by example in improving stormwater quality. Construction of a stormwater retrofit for the Blackstone Town hall began in 2012 and is now complete. The retrofit included low impact development measures including pervious pavement and bioretention areas.</p>

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

Not used.

Part IV. Summary of Information Collected and Analyzed

Not used.