

Municipality/Organization: Town of Blackstone

EPA NPDES Permit Number: MA041015

MADEP Transmittal Number: W-040562

Annual Report Number

& Reporting Period: No. 9: April 2011-March 2012

NPDES PII Small MS4 General Permit Annual Report

Part I. General Information

Contact Person: Michael Suprenant, PE Title: Superintendent 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:

Michael G. Suprenant

Printed Name:

MICHAEL G. SUPRENANT

Title:

SUPERINTENDENT OF PUBLIC WORKS

Date:

04/19/2012

Part II. Self-Assessment

The Town of Blackstone has completed the required self assessment. This report covers permit year 9. The Town continues to perform annual “Good Housekeeping” tasks such as an ongoing household hazardous waste collection program, catch basin cleaning and inspection, street sweeping, and drain line cleaning. 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 for stormwater compliance in proposed developments. Mapping and visual inspection of 96 outfalls was completed in the permit year. Additionally, an Illicit Discharge Detection and Elimination (IDDE) Plan was drafted and was submitted to the Town in March 2012.

The Town of Blackstone drafted 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 during the previous reporting period. It was subsequently passed. The Town also plans to begin the implementation of the previously mentioned IDDE plan. The Program Components of the IDDE 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.

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 9 (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).	Negative effects of improper disposal of pet waste and oil in catch basins was discussed on the local access channel in 2009. Further progress during this reporting period is discussed below.
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.	On March 13, 2012 a status update regarding the Stormwater Management Plan was presented to the Board of Selectmen in a televised public meeting. The stormwater system and the process of detecting and eliminating illicit discharges were discussed. See the slides from this presentation in Attachment A.
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.	Stenciling of Town catch basins with a no dumping message was undertaken in partnership with local Boy Scouts in 2008. There was no further progress 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 9 (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.	96 stormwater outfalls were inspected and mapped during this reporting period. The Outfall Inspection Report and associated IDDE plan have been sent to the Town Boards for comment.
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. No further progress was made during this reporting period.
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. Additionally, a status update regarding the outfall inspections and IDDE plan was presented to the Board of Selectmen on March 13, 2012. This meeting was open to the public and broadcast on local access television. See the presentation slides in Attachment A.

3. Illicit Discharge Detection and Elimination

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 9 (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 for outfalls, manholes and catch basins within the system. Additional information was added in this permit year when a consultant mapped and visually inspected 96 stormwater outfalls. Sections 1-4 of the Draft Outfall Inspection Report are attached to this document.
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	1. Develop inspection checklist 2. Prioritize inspections 3. Create database for existing conditions 4. Identify source(s) of illicit discharge(s).	96 stormwater outfalls were mapped and visually inspected this reporting period. For these outfalls, an IDDE plan has been developed. 8 outfalls showed indicators of illicit discharges. Testing is scheduled for the Spring of 2012 to determine if an illicit discharge is present or not.
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. It will be developed after the IDDE plan has been implemented.
3-5	Capital Improvement Plan	Town Engineer	1. Prepare multi-year capital improvement plan 2. Present plan to Capital Outlay Committee.	At this time, drainage capital improvements are being made on an as needed basis. More detailed plans are dependent on the results of the IDDE Plan.
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. More detailed plans are dependent on the results of the IDDE Plan.
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.	A new stormwater bylaw was drafted during the previous reporting period. It was proposed during the May 17, 2011 Town Meeting and was passed. No illicit discharges have been discovered during this reporting period. Consequently, there has been no enforcement during this reporting period. However, locating and correcting illicit discharges is the intent of the IDDE Plan. Testing of discharges which showed indications of illicit discharges is planned for the Spring of 2012.

4. Construction Site Stormwater Runoff Control

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 9 (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 the 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.	During this reporting period, the Meadows at Harris Pond Estates subdivision was found to be in violation of the construction stormwater bylaw. Enforcement action was taken in cooperation with the planning board. The developer made the necessary repairs to bring the site into compliance.

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 9 (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 the 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 9 (Reliance on non-municipal partners indicated, if any)
6-1	Employee Training	Town Engineer/DPW	Establish training needs and program for employees.	Prior to catch basin cleaning, the DPW staff reviews a list of items crews should look for during the cleaning operation, such as illegal connections, structural deficiencies, and high levels of sediment.
6-2	Street Sweeping Program	Town Engineer/DPW	Develop program and schedule for sweeping streets.	Street sweeping is completed once per year in the spring. Street sweeping will begin March 26, 2012 during this reporting period. Additional sweeping is performed as needed.
6-3	Catch Basin Cleaning Program	Town Engineer/DPW	Develop a program and schedule for cleaning storm drain systems.	Approximately 25% of the catch basins in Town were cleaned during this reporting period. Catch basins with high sediment loads and those in areas with a potential for flooding were cleaned twice during this reporting period. The Town monitors catch basin cleaning each year and adjusts the cleaning frequency as required. A catch basin inspection form is used for documentation.
6-4	Other Programs and Policies	Town Engineer	Evaluate the need for other programs and policies that can improve stormwater quality.	The DPW continues to use low impact techniques for road repair and construction, including use of water quality swales in place of ditches.

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.