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Municipality/Organization: Town of Blackstone, Massachusetts

EPA NPDES Permit Number: MA041093

MaDEP Transmittal Number: W-036393

Annual Report Number  
& Reporting Period: No. 5, 6, & 7: May 2007 - April 2010

## NPDES PII Small MS4 General Permit Annual Report

### Part I. General Information

Contact Person: Jim Sullivan Title: Director of Public Works

Telephone #: (508) 883-9331 Email:

#### 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: Ken Bianchi

Title: Town Administrator

Date: 4/29/10

## Part II. Self-Assessment

The Town of Blackstone, Massachusetts has completed the required self-assessment. This report covers permit year 5, 6, & 7. The Town continues to perform annual "Good Housekeeping" tasks such as: Annual Household Hazardous Waste Collection Day; catch basin cleaning and inspection; street sweeping, and drain line cleaning. The Town has also made some 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.

The Town of Blackstone plans to adopt stormwater by-laws 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. The Town also plans to begin the implementation of IDDE Program Components 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**

**TOWN OF BLACKSTONE, MASSACHUSETTS  
NPDES Stormwater General Permit**

**Stormwater Management Program Summary - Year #4**

BMP ID #	BMP Description	Responsible Person / Department	Measurable Goal(s)	Progress on Goal(s) - Permit Year #5, Year #6, and Year #7
1. Public Education 1-1	Provide Educational Materials to Residents	Town Engineer	Blackstone will post information annually in the Blackstone Enlightener and through informational pamphlets(see BMP2-2)	Blackstone did not post in the newspaper or send informational pamphlets as we have in previous years. Alternately, due to instances of improper disposal to catch basins, the Selectman discussed the impact of dumping oil and pet waste in catch basins on local cable access. This presentation was completed in 2009.
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.	No progress this period.
1-2	Evaluate Potential for Classroom Education	Blackstone Millville Regional School District- Science Department	Meet with Blackstone Millville Regional School District-Science Dept. Evaluate development of curriculum for high school students.	The Town of Blackstone engaged the local Boy Scouts and stenciled 20% of the Town's catch basins. The stencil advised residents not to dump to the catch basins. This work was completed in 2008. The stencils are beginning to fade and we are planning to repaint them.



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<b>2. Public Involvement and Participation</b>				
2-1	Request feedback on the Storm Water Management Plan from Town Officials.	Town Engineer	Send letter requesting input on the Storm Water Management Plan to Town boards and officials.	No progress this period.
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)	A questionnaire requesting input from residents regarding stormwater issues was published in 2008 and 2009. Several issues were reported and.
2-3	Status Updates to Town Officials	Town Engineer	Present status update to municipal boards on annual basis	No progress this period.
<b>3. Illicit Discharge Detection and Elimination</b>				
3-1	Storm Sewer System- Existing Conditions	Town Engineer	The Town of Blackstone will prepare base maps.	No change in status. The Town of Blackstone has GPS data for 120 outfalls and many manholes and catch basins within the drainage system. See 2-2.
3-2	Request information from Town residents about illicit discharges.	Town Engineer	See BMP 2-2	No progress this period.
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).	No progress this period.
3-4	Develop improvement program	Town Engineer	Prepare improvement plan. Evaluate repair costs. Prioritize upgrades based on needs and costs.	No progress this period.
3-5	Capital Improvement Plan	Town Engineer	1. Prepare multi-year capital improvement plan 2. Present plan to Capital Outlay Committee	Drainage capital improvements are being made on an as-needed basis.

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3-6	Implement Capital Improvement Plan	Town Engineer/DPW	Implement improvement program to the extent allowable within capital and operational means.	A floor drain that was improperly connected to the drainage system at Boulevard Collision Center (633 Rathbun Street) was removed in 2008.
3-7	Enforcement procedures addressing illicit discharges	Planning Board	Blackstone will review whether local authority is appropriate and able to respond to potential illicit discharges. New by-laws, if necessary, will be proposed to Town Meeting.	No progress this period.
<b>4. Construction Site Stormwater Runoff Control</b>				
4-1	Site plan review	Town Engineer/Planning Board	Meet with Planning Board to discuss storm water requirements	No progress this period.
4-2	Construction Storm Water Ordinance	Planning Board	Evaluate opportunities to modify planning bylaws to include storm water ordinance	No progress this period.
4-3	Enforcement	Planning Board	Evaluate inspection and enforcement opportunities	No progress this period.
<b>5. Post-Construction Stormwater Management in New Development and Redevelopment</b>				
5-1	Ordinance - Post-construction	Planning Board/DPW/Town Engineer	Evaluate opportunities to modify planning regulations requiring contractors to guarantee work	Blackstone is discussing options for Home Owners Associations to perform maintenance on privately owned detention ponds.

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5-2	Enforcement	Planning Board/DPW/Town Engineer	Evaluate inspection and enforcement opportunities	Blackstone retains an outside stormwater consultant to advise the planning board through a peer review process.
<b>6. Pollution Prevention and Good Housekeeping in Municipal Operations</b>				
6-1	Employee Training	Town Engineer/DPW	Establish training needs and program for employees.	Twice a year, prior to the start of catch basin cleaning, DPW staff reviews a list of items that crews should look for during the cleaning operation (illegal connections, structural deficiencies, level 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. Additional sweeping is done as needed.
6-3	Catch Basin Cleaning Program	Town Engineer/DPW	Develop program and schedule for cleaning storm drain systems	Approximately 70% of the catch basins in town are cleaned each year. Some catch basins are cleaned more frequently. Catch basins with high sediment loads and those in areas with a potential for flooding (5% of total catch basins) are cleaned twice per year. The Town monitors catch basin cleaning each year and adjusts the cleaning frequency as required. A catch basin inspection form is used for documentation.

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6-4	Other Programs and Policies	Town Engineer	Evaluate need for other policies and programs that can improve stormwater quality	<p>Blackstone purchased a Jet Truck in 2008. This truck is being used to clean high priority drain lines (pipes with large amounts of sediment and pipes in areas prone to flooding).</p> <p>Approximately 30% of the high priority areas are being cleaned each year. the town is also evaluating the purchase of a vactor truck to improve cleaning capabilities and efficiency. Drains at Austin Street and Milk street were replaced due to collapse pipe segments. Check dams were installed and drainage swale improvements were made on Milk</p>