

Municipality/Organization: Town of Blackstone

EPA NPDES Permit Number: MA041015

MADEP Transmittal Number: W-040562

Annual Report Number

& Reporting Period: No. 11: April 2013-March 2014

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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Email: jsullivan@townofblackstone.org

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 Supt.

Printed Name: JAMES M. SULLIVAN

Title: SUPERINTENDANT OF PUBLIC WORKS

Date: 4-11-14

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Part II. Self-Assessment

The Town of Blackstone has completed the required self assessment. This report covers permit year 11 (April 2013 through March 2014). The Town continues to perform annual “Good Housekeeping” tasks such as an ongoing rubbish cleanup 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. All known outfalls have been mapped and a rotating inspection program is ongoing. 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.

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 11 (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 (see Appendix A). This information was also broadcast on the local cable access channel. Additional educational material was provided at the annual Town meeting, when DPW staff passed out a flyer on stormwater pollution prevention to all attendees (see Appendix A). A household hazardous waste collection day is held every other year. The Town has scheduled the next collection day for the next reporting period and will notify residents in advance.
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 35 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 11 (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 11 (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). 	33 stormwater outfalls were visually inspected by a consultant during the previous reporting period. A report of this activity was provided to the Town. No indications of 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. 	At this time, drainage capital improvements are being made on an as needed basis.
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.
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 have been 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 11 (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.	A new subdivision (the Meadows at Harris Pond) is under construction in Blackstone. DPW personnel have been inspecting the site and meeting with the contractor on a regular basis to verify that all required stormwater controls are installed and operating properly. This proactive approach forestalls potential violations and reduces the need for enforcement actions.

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 11 (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 11 (Reliance on non-municipal partners indicated, if any)
6-1	Employee Training	Town Engineer/DPW	Establish training needs and program for employees.	The DPW director and members of his staff attend the monthly meetings of the Worcester County Highway Association where best management practices for infrastructure professionals are discussed.
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.	Approximately 30% of the catch basins in Town were cleaned during this reporting period; cleaning is performed on a rotating basis. Catch basin cleaning is performed in the summer, after street sweeping is complete. 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.
6-4	Other Programs and Policies	Town Engineer	Evaluate the need for other programs and policies that can improve stormwater quality.	In addition to catch basin cleaning, the Town jet cleans drainage piping on a rotating basis. During this reporting period, segments on Austin Street, Montcalm Street, Rathburn Street, Bellingham Road and Summer Street were jet cleaned. 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. The Town has also been working with local penitentiary officials to create an annual program for inmates to clean roadways and riverbanks of litter and refuse. This cleanup took place between April and May during this reporting period.

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.

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Town of Blackstone MA
Phase 2 Stormwater Management Plan Annual Report

Attachment A
Educational Material Distributed by the Department of Public Works

Screenshot of Website Notification

Informational Brochure Passed Out at the Annual Town Meeting

Firefox

Blackstone MA Official Website - Depart...

www.townofblackstone.com/Pages/BlackstoneMA_DPW/index

town of blackstone ma

Most VisitedGetting StartedSuggested SitesWeb Slice Gallery

ABOUT BLACKSTONEDEPARTMENTSBOARDS & COMMITTEESRESIDENTSVISITORS

Town Resources

Press Release - West Nile

Financial Statements

Online Payments

Forms & Documents

Minutes of Meetings

Town Calendars

Job Opportunities

Comments & Suggestions

Subscribe to E-Alerts

Quick Links

Central Mass. Mosquito Control

Town Administrator's Corner

Annual Town Meeting

Special Town Meeting

Public Library

Chamber of Commerce

Blackstone-Millville Schools

Blackstone Town Hall Email

Blackstone Government Access On

Contact:

Address:

Phone:

Fax:

After Hours Phone:

Emergencies:

Office Hours:

Additional Links:

Blackstone Housing Authority

Blackstone Valley Regional Recycling Center Committee

Board of Assessors

Board of Health

Board of Selectmen

Code Enforcement Officer/Zoning

Conservation Commission

Council on Aging

Cultural Council

Emergency Management Commission

Finance Committee

Historical Commission

Library Board of Trustees

Parks & Recreation Commission

Planning Board

Sewer Commissioners

Zoning Board of Appeals

Department of Public Works

Printer-Friendly Version

Water Division

Sewer Division

Highway Division

Projects

Make a Service Request

Trash & Recycling Information

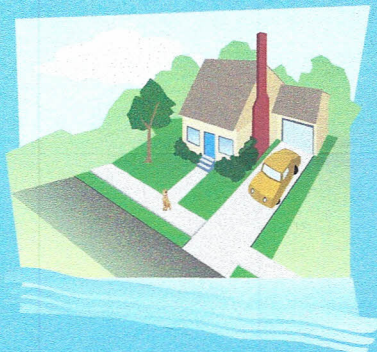
Tips to Prevent Stormwater Runoff Pollution:

• Never dump anything down storm drains or in streams.

• Pick Up after your pet

• Compost your yard waste

• Use fertilizers sparingly and sweep up driveways, sidewalks, and gutters



10 Things You Can Do to Prevent Stormwater Runoff Pollution

- Use fertilizers sparingly and sweep up driveways, sidewalks, and gutters
- Never dump anything down storm drains or in streams
- Vegetate bare spots in your yard
- Compost your yard waste
- Use least toxic pesticides, follow labels, and learn how to prevent pest problems
- Direct downspouts away from paved surfaces; consider a rain garden to capture runoff
- Take your car to the car wash instead of washing it in the driveway
- Check your car for leaks and recycle your motor oil
- Pick up after your pet
- Have your septic tank pumped and system inspected regularly



For more information, visit
www.epa.gov/nps or
www.epa.gov/npdes/stormwater

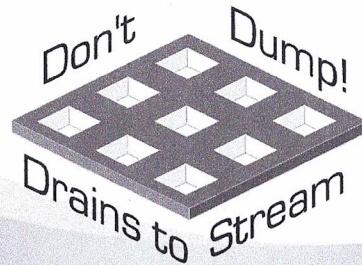
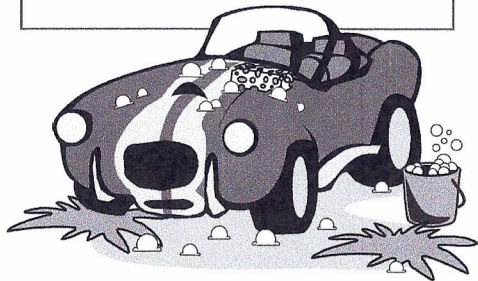
Tips for Keeping Stormwater Clean

Pollutants from Cars:

Gas and Oil
Antifreeze
Metals
Detergents

Car care tips:

- Maintain your car to prevent fluid leaks
- Recycle motor oil, antifreeze, tires, and batteries
- Use a commercial carwash that treats and/or recycles the wash water
- If you wash your car at home, wash it on the lawn so that the water can seep into the soil, and use low-phosphate detergents in small amounts

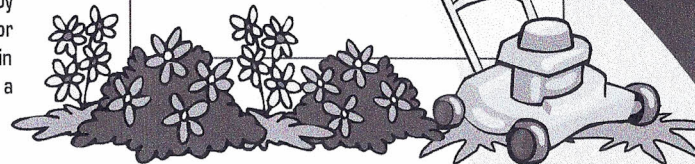


Using more fertilizer or pesticide than the label calls for wastes the product and doesn't help the lawn. The extra fertilizer or pesticide may wash away into a storm drain and out to a nearby wetland, stream, or pond where it can harm aquatic plants and animals.

Pollutants from Lawns: Fertilizer Pesticides Herbicides

Lawn care and garden tips:

- Use fertilizer, pesticides, and herbicides sparingly
- Try using organic lawn care methods
- Mow 2 to 3 inches high to encourage dense growth and deter weeds
- Mulch lawn clippings and leaves
- Do not overwater your lawn
- Reduce lawn size in favor of rock gardens or natural vegetation
- Cover soil piles with tarps and replant bare areas to stop erosion



- NEVER pour or sweep ANYTHING down a storm drain!

This includes:

Pet waste
Motor oil
Paint
Litter
Leaves
Sand

- Don't block storm drains with refuse or debris

Would you
want to
swim in any
of this?

Stormwater on parking lots and streets flows into storm drains so that the pavement won't be flooded. Storm drains have underground pipes that channel the stormwater directly to a nearby water body, usually without any treatment or cleansing. So whatever flows down a storm drain comes out in a nearby water body, such as a wetland, stream, or pond.

More ways that YOU can help

- Pick up after your pet and dispose of droppings in the toilet or trash
- Aim your roof downspouts away from paved surfaces or into a rain barrel
- Dispose of paint, oil, and other household chemicals at a local hazardous waste collection day
- Support community efforts to keep stormwater clean
- Coordinate a neighborhood storm drain stenciling day
- Join a stream team to help care for your neighborhood stream
- Learn more about stormwater

Other Stormwater Pollutants:

Salt
Bacteria
Sand
Chemicals

Our town performs many activities that are critical to keeping stormwater clean. Street sweepers pick up sand and winter debris so that these pollutants won't be washed into storm drains. Most storm drains have catch basins to trap heavy particles that must be cleaned out regularly by our town crews to keep the drains clear.