

Municipality/Organization: Shrewsbury, Massachusetts
EPA NPDES Permit Number: MAR041158
MassDEP Transmittal Number: W-036325
Annual Report Number & Reporting Period: Year 10
April 1, 2012 – March 31, 2013

4/30/13
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NPDES PII Small MS4 General Permit Annual Report (Due: May 1, 2013)

Part I. General Information

Contact Person: Jack Perreault **Title:** Town Engineer
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Shrewsbury, MA 01545

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: Daniel Morgado
Title: Town Manager
Date: 4/25/2013

Part II. Self-Assessment

The Town has completed the required self-assessment and has determined that our municipality is in compliance with all permit conditions.

Current State of the Phase II Program in Shrewsbury:

The Town currently budgets \$5,000 per year for the Phase II Program. This cost does not include money for catch basin cleaning and street sweeping, which is currently budgeted separately with the Town Highway Department. It also does not include funds used for reviews, inspections, research, and reporting for compliance with the permit conditions. Those funds are part of the Engineering Department budget. Occasionally funds have been made available for the Phase II Program from other sources within town budget areas as well.

Town budgets as a whole have been greatly reduced in recent years, and the stormwater program has suffered due to the lack of available funding. Catch basin cleaning is one example in town. Just prior to the issuance of the Phase II Permit, the Town was cleaning 100% of the catch basins within public roadways annually. With each passing year there has been a steady decrease in the amount of catch basins the Town has been able to maintain. During Year One of the permit, the Town was able to clean 60% of the catch basins. By Year Six the Town cleaned 30% of the catch basins annually, and during the most recent Permit Year Eight, the Town was only able to clean 4% of the catch basins. During Year 10 the Town was fortunate to have a surplus in snow removal budgets due to a mild winter, and the funds were redirected to clean approximately 50% of the catch basins in town.

While it's clear that an additional funding source is needed to simply maintain the status quo in town, the Town has also been reviewing the potential fiscal impact of the next Phase II Permit. It is apparent that the projected costs cannot be covered within the existing Town budget, and a new revenue source such as a stormwater utility fee will be needed. The Town is strongly considering creating a stormwater utility. A final course of action will be decided once the new permit is issued and the impacts are fully understood. In the meantime, the Town continues to be proactive and continues to work with a consulting firm to develop a stormwater utility for the Town, and to also evaluate the future stormwater program and assess annual program costs. We estimate spending approximately \$33,000 to complete these tasks, which we continue to find difficult to complete without having the new permit from EPA.

This past year Shrewsbury was pleased to take part in the Central Massachusetts Regional Stormwater Coalition group. The group consists of 13 communities in Central Massachusetts that received a total of \$310,000 in funding from the Community Innovation Challenge Grant awarded by the Massachusetts Executive Office of Administration and Finance. Attached is a summary of the Coalition's achievements. Next year there will be a total of 30 member communities participating in the group. Due to budget cuts at the state level, the group was only able to receive \$115,000 for this next fiscal year.

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 10 (Reliance on non-municipal partners indicated, if any)	Planned Activities
Revised					
Revised					
Revised					
Revised					
Revised					
Revised					
Revised					

1a. Additions

01	Pamphlet Mailings	Water & Sewer	# Pamphlets Mailed	Two pamphlets mailed to approximately 11,000 subscribers of municipal water/sewer utilities.	

2. Public Involvement and Participation

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 10 (Reliance on non-municipal partners indicated, if any)	Planned Activities
04 Revised	Water Monitoring & Sampling	Health Dept.	Sample Data	Samples for E. Coli & Total Coliform bacteria were taken on a weekly basis during the bathing season in Lake Quinsigamond.	
Revised					
Revised					
Revised					
Revised					
Revised					
Revised					

2a. Additions

3. Illicit Discharge Detection and Elimination

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 10 (Reliance on non-municipal partners indicated, if any)	Planned Activities
05 Revised	Local Ordinance	Engineering Dept.	Bylaw Adopted	Local Bylaw adopted at Annual Town Meeting in May 2007.	
06 Revised	Storm Sewer Map	Engineering Dept.	GIS Map	GIS Map under production to show additional drainage utility components such as catch basins and manholes.	
Revised					
Revised					
Revised					
Revised					
Revised					

3a. Additions

15	Kings Brook IDDE Study	Engineering Dept.	Completed Study	A study of Kings Brook was performed, including sampling and TV inspections.	Awaiting final report from consultants.
14	Grease Trap Inspection Program	Water & Sewer Dept.	# Grease Traps Inspected	Inspections of grease traps began in the Fall of 2009.	Continue inspections.
16	Survey, Sampling and Monitoring Equipment	Engineering Dept.	Equipment Purchased (to be shared)	See attached Central Massachusetts Regional Stormwater Coalition narrative summary.	See narrative summary.
17	Monitoring and Sampling Equipment	Engineering Dept.	Equipment Purchased (Town use only)	Obtained funding to purchase equipment.	Purchase approximately \$8,000-\$10,000 of equipment for IDDE.

4. Construction Site Stormwater Runoff Control

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 10 (Reliance on non-municipal partners indicated, if any)	Planned Activities
05 Revised	Local Ordinance	Engineering Dept.	Bylaw Adopted	Local Bylaw adopted at Annual Town Meeting in May 2007. Continuing to discuss regulations to supplement bylaw.	
08 Revised	Mass Stormwater Policy	Engineering Dept.	# Projects Reviewed	8 Projects submitted to the Conservation Commission and/or Planning Board were reviewed.	Continue to review new applications.
09 Revised	Site Plan Reviews	Engineering Dept.	Bylaw Adopted	Reviewed 15 construction projects with >1 acre disturbance.	Continue to review projects.
Revised					
Revised					
Revised					
Revised					

4a. Additions

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 10 (Reliance on non-municipal partners indicated, if any)	Planned Activities
05 Revised	Local Ordinance	Engineering Dept.	Bylaw Adopted	Local Bylaw adopted at Annual Town Meeting in May 2007. Continue to discuss regulations to supplement bylaw.	
08 Revised	Mass. Stormwater Policy	Engineering Dept.	# Projects Reviewed	8 projects submitted to the Conservation Commission and Planning Board were reviewed.	Continue to review new applications.
Revised					
Revised					
Revised					
Revised					
Revised					

5a. Additions

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 10 (Reliance on non-municipal partners indicated, if any)	Planned Activities
10 Revised	Catch Basin Cleaning	Highway Dept.	Catch Basins Cleaned	A total of 2,501 catch basins cleaned, approximately 50% of all catch basins.	Continue to clean catch basins.
11 Revised	Street Sweeping	Highway Dept.	Streets Swept	All public streets were swept.	Continue to sweep streets.
Revised					
Revised					
Revised					
Revised					
Revised					
Revised					

6a. Additions

7. BMPs for Meeting Total Maximum Daily Load (TMDL) Waste Load Allocations (WLA) << if applicable >>

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 10 (Reliance on non-municipal partners indicated, if any)	Planned Activities
05 Revised	Local Ordinance	Engineering Dept.	Bylaw Adopted	Local Bylaw adopted at Annual Town Meeting in May 2007.	
08 Revised	Mass Stormwater Policy	Engineering Dept.	# Projects Reviewed	8 submitted to the Conservation Commission and Planning Board were reviewed.	Continue to review new applications.
Revised					
Revised					
Revised					
Revised					
Revised					

7a. Additions

7b. WLA Assessment

During Year 11 – The Town is waiting for the new Phase II Permit to be issued and will make plans at that time.