

Municipality/Organization: Shrewsbury, Massachusetts

EPA NPDES Permit Number: MAR041158

MaDEP Transmittal Number: W-036325

2004 APR 28 P 10: 39

Annual Report Number

& Reporting Period:

No. 1: March 03-March 04

NPDES PII Small MS4 General Permit Annual Report

Part I. General Information

Contact Person: Jack Perreault

Title: Town Engineer

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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:



Printed Name: Daniel J. Morgado

Title: Town Manager

Date: April 26, 2004

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.

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 1 (Reliance on non-municipal partners indicated, if any)	Planned Activities -- Permit Year 2
01 Revised	Pamphlet Mailings	Engineering & Water/Sewer	# Pamphlets Mailed	Collection of information to be used developing educational pamphlets.	Educational pamphlets mailed to residents in key watershed areas.
02 Revised	Poster Distribution	Engineering Dept.	# Posters Distributed	15 Educational Posters were distributed to public buildings, including -- Town Hall, Library, and Schools	
Revised					
Revised					
Revised					
Revised					
Revised					

1a. Additions

2. Public Involvement and Participation

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 1 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 2
03 Revised	Catch Basin Stenciling	Highway Dept.	# Catch Basins Stenciled		Catch basin stenciling to begin during this permit year.
04 Revised	Water Monitoring & Sampling	Health Dept.	Sample Data	Samples for E Coli and Total Coliform bacteria were taken on a weekly basis during the bathing season in Lake Quinsigamond.	Same as Permit Year 1.
04 Revised	Water Monitoring & Sampling	Health Dept.	Sample Data		Testing of storm water outfalls at Lake Quinsigamond, approximately 6 sampling events total.
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 1 (Reliance on non-municipal partners indicated, if any)	Planned Activities -- Permit Year 2
05 Revised	Local Ordinance	Engineering Dept.	Town Warrant Article	Research of available information for the creation of a Town Bylaw.	Continue Town Bylaw development.
06 Revised	Storm Sewer Map	Engineering Dept.	GIS Map	GIS Map currently under production for entire town. Outfalls at Lake Quinsigamond have been mapped	Continue outfall mapping.
07 Revised	Public Employee Education	Engineering Dept.	Training Sessions		Training session for public employees.
Revised					
Revised					
Revised					
Revised					

3a. Additions

4. Construction Site Stormwater Runoff Control

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 1 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 2
05 Revised	Local Ordinance	Engineering Dept.	Town Warrant Article	Research of available information for the creation of a Town Bylaw.	Continue Town Bylaw development.
08 Revised	Mass. Stormwater Policy	Engineering	# Projects Reviewed	Ten projects submitted to the Conservation Commission and/or Planning Board	Continue reviewing projects to comply with Mass. Stormwater Management Policy
09 Revised	Site Plan Reviews	Engineering Dept.	# Projects Reviewed	Research of available information for the creation of a Town Bylaw.	Continue Town Bylaw development.
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 1 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 2
05 Revised	Local Ordinance	Engineering Dept.	Town Warrant Article	Research of available information for the creation of a Town Bylaw.	Continue Town Bylaw development.
08 Revised	Mass. Stormwater Policy	Engineering Dept.	# Projects reviewed	Ten projects submitted to the Conservation Commission and/or Planning Board	Continue reviewing projects to comply with Mass. Stormwater Management Policy
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 1 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 2
10 Revised	Catch Basin Cleaning	Highway Dept.	Catch Basins Cleaned	Total of 1,000 man-hours went into cleaning approximately 60% of catch basins.	Continue catch basin cleaning.
11 Revised	Highway and Light Dept. Garage	Engineering	# Inspections		Two annual inspections of municipal garage areas.
12 Revised	Street Sweeping	Highway Dept.	Streets Swept	Total of 3,304 man-hours went into sweeping all municipal streets.	Continue street sweeping
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 1 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 2
05 Revised	Local Ordinance	Engineering Dept.	Town Warrant Article	Research of available information for the creation of a Town Bylaw.	Continue Town Bylaw development.
08 Revised	Mass. Stormwater Policy	Engineering Dept.	# Projects reviewed	Ten Projects submitted to the Conservation Commission and/or Planning Board.	Continue review projects to comply with Mass. Stormwater Management Policy.
13 Revised	Stormwater Treatment Units	Engineering	Town Warrant Article	Research of available information for the creation of a Town Bylaw.	Continue Town Bylaw development.
Revised					
Revised					
Revised					
Revised					

7a. Additions

04	Water Monitoring & Sampling	Health Dept.	Sample Data		Sample Data to include testing for Phosphorous.
01	Pamphlet Mailings	Engineering & Water/Sewer	# Pamphlets Mailed	Collection of information to be used developing educational pamphlets.	Educational pamphlets mailed to residents in Jordan Pond Watershed

7b. WLA Assessment

The Town has implemented an educational pamphlet program to distribute educational brochures to 330 resident dwellings in the Jordan Pond watershed area. The pamphlets include information asking residents not to over-fertilize their lawns and to use phosphorous free fertilizers. Jordan Pond is a close tributary to Lake Quinsigamond. The program effectiveness will be evaluated and implemented in other key watershed areas that contribute to TMDL water bodies. Program modifications and improvements will be made as necessary.

Part IV. Summary of Information Collected and Analyzed

Water samples were tested weekly during the bathing season at Sunset Beach for E Coli and Total Coliform levels. The Town Health Department has reported that no violations of the water quality standards for bathing beaches were detected at Sunset Beach during 2003.