Municipality/Organization: **Southbridge, Massachusetts**

EPA NPDES Permit Number: **MAR041161**

MaDEP Transmittal Number: W129212

Annual Report Number & Reporting Period: **No.5; March 06 to March 07**

NPDES PII Small MS4 General Permit Annual Report

Part I. General Information

Contact Person: Hamer D. Clarke, P.E. Title: Director

Telephone #: 508-764-5403 Email: hclarke@southbridgemass.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:

Printed Name: Hamer D. Clarke

Title: Director

Date: April 12, 2007

Part II. Self-Assessment

The Town of Southbridge has completed the required self-assessment and has determined that our municipality is in compliance with all permit conditions established for this, the fifth year of the permit with the exception of finalizing Section 3. Illicit Discharge Detection and Elimination. Mapping of drainage system is presently on hold due to budget needs.

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 4 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 5
	Public Outreach	Public Works Dept.	Reach 2nd grade	Presentation made on water quality to selected gradeK-1 students in May	Presentation made on water quality to to selected grade 5 students at the Heritage Trail
Revised					
	Public Outreach	Water Dept.	Reach all water accounts (4,000 households)	Annual Water Quality Report mailing	Annual Water Quality Report mailing
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 Year4 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 5
	Monitor Streams	Conservation Commission	Monitor 1 stream annually	Monitored remaining portion of Lebanon Brook	Monitor Hatchet Brook
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 4 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 5
	Map Storm Sewer System	DPW	Map Outfalls	Outfall mapping ongoing in GIS system	Continue outfall mapping
Revised					
	Amend Drainage ByLaw	Town Council	Modify Existing Bylaw	Draft By-Law & Regulations to Town Manager for review	Town to approve and implement new Stormwater Bylaw and Regulations
Revised					
	Inspect Outfalls	Health Agent	Identify Illicit Discharges		Inspect selected major outfalls
Revised					
Revised					
Revised					
Revised					

3a. Additions

4. Construction Site Storm water Runoff Control

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 4 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 5
	Control Erosion & Sedimentation	Town Council	Enact New Bylaw	Draft Bylaw submitted for review	Enact new bylaw
Revised					
Revised					
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 4 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 5
	Regulate Post Construction runoff	Town Council	Amend Drainage Control Bylaw	Draft Bylaw submitted for review	Enact new bylaw
Revised					
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 4 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 5
	Street Sweeping	DPW	Sweep Streets Annually	All streets swept annually. Collected material disposed of in landfill.	All streets swept annually
Revised					
	Catch Basin Cleaning	DPW	Clean critical basins annually	Critical basins cleaned annually. Collected material disposed of in landfill.	Critical basins cleaned annually
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 4 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 5
	Not applicable				
Revised					
Revised					
Revised					
Revised					
Revised					
Revised					

7a. Additions

7b. WLA Assessment

Part IV. Summary of Information Collected and Analyzed

Part V. Program Outputs & Accomplishments (OPTIONAL)

Programmatic

Stormwater management position created/staffed	(y/n)	N
Annual program budget/expenditures	($)	0

Education, Involvement, and Training

Estimated number of residents reached by education program(s)	(# or %)	Unknown
Stormwater management committee established	(y/n)	No
Stream teams established or supported	(# or y/n)	One
Shoreline clean-up participation or quantity of shoreline miles cleaned	(y/n or mi.)	N/A
Household Hazardous Waste Collection Days (Oil, tires, Batteries and Paint)		
▪ days sponsored	(#)	4
▪ community participation	(%)	7%
▪ material collected	(tons or gal)	8.2 tons
School curricula implemented (Flyers mailed to all homes)	(y/n)	Y

Legal/Regulatory

	In Place Prior to Phase II	Under Review	Drafted	Adopted
Regulatory Mechanism Status (indicate with "**X**")				
▪ Illicit Discharge Detection & Elimination		X		
▪ Erosion & Sediment Control	X			
▪ Post-Development Stormwater Management		X		
Accompanying Regulation Status (indicate with "**X**")				
▪ Illicit Discharge Detection & Elimination		X		
▪ Erosion & Sediment Control	X			
▪ Post-Development Stormwater Management		X		

Mapping and Illicit Discharges

Outfall mapping complete	(%)	50%
Estimated or actual number of outfalls	(#)	360
System-Wide mapping complete	(%)	50%
Mapping method(s)		
▪ Paper/Mylar	(%)	
▪ CADD	(%)	
▪ GIS	(%)	100%
Outfalls inspected/screened	(# or %)	0
Illicit discharges identified	(#)	0
Illicit connections removed	(#) (est. gpd)	0
% of population on sewer	(%)	85%
% of population on septic systems	(%)	15%

Construction

Number of construction starts (>1-acre)	(#)	2
Estimated percentage of construction starts adequately regulated for erosion and sediment control	(%)	100%
Site inspections completed	(# or %)	100%
Tickets/Stop work orders issued	(# or %)	0
Fines collected	(# and $)	0
Complaints/concerns received from public	(#)	0

Post-Development Stormwater Management

Estimated percentage of development/redevelopment projects adequately regulated for post-construction stormwater control	(%)	100%
Site inspections completed	(# or %)	100%
Estimated volume of stormwater recharged	(gpy)	Unknown

Operations and Maintenance

Average frequency of catch basin cleaning (non-commercial/non-arterial streets)	(times/yr)	1
Average frequency of catch basin cleaning (commercial/arterial or other critical streets)	(times/yr)	1
Total number of structures cleaned	(#)	1800
Storm drain cleaned	(LF or mi.)	1100 lf
Qty. of screenings/debris removed from storm sewer infrastructure	(lbs. or tons)	1037 Tons
Disposal or use of sweepings (landfill, POTW, compost, recycle for sand, beneficial use, etc.)		Landfill
Cost of screenings disposal	($)	0

Average frequency of street sweeping (non-commercial/non-arterial streets)	(times/yr)	1

Average frequency of street sweeping (commercial/arterial or other critical streets)	(times/yr)	3
Qty. of sand/debris collected by sweeping	(lbs. or tons)	1500 tons
Disposal of sweepings (landfill, POTW, compost, beneficial use, etc.)	(location)	Landfill
Cost of sweepings disposal	($)	0
Vacuum street sweepers purchased/leased	(#)	0
Vacuum street sweepers specified in contracts	(y/n)	0

Reduction in application on public land of: ("N/A" = never used; "100%" = elimination)		
▪ Fertilizers	(lbs. or %)	0
▪ Herbicides (Roundup Pro)	(lbs. or %)	N/A
▪ Pesticides	(lbs. or %)	0

Anti-/De-Icing products and ratios	% NaCl % $CaCl_2$ % $MgCl_2$ % CMA % Kac % KCl % Sand	38% 0 0 0 0 0 62%
Pre-wetting techniques utilized	(y/n)	N
Manual control spreaders used	(y/n)	Y
Automatic or Zero-velocity spreaders used	(y/n)	Y
Estimated net reduction in typical year salt application	(lbs. or %)	0%
Salt pile(s) covered in storage shed(s)	(y/n)	100%
Storage shed(s) in design or under construction	(y/n)	Y