

**Town of West Bridgewater**

Office of the Administrator

Town Hall

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West Bridgewater, MA 02379

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June 30, 2005

**Sent Registered Mail**

U.S. Environmental Protective Agency

Water Technical Unit

P.O. Box 8127

Boston, MA 02114

Massachusetts Department of Environmental Protection  
Division of Watershed Management – Phase II Stormwater  
627 Main Street  
Worcester, MA 01608

RE: NPDES PII Small MS4 General Permit Annual Report for  
EPA NPDES Permit Number **MAR041172** and  
MaDEP Transmittal Number **W-041193**

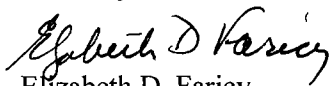
To Whom It May Concern:

Enclosed please find the Town of West Bridgewater's report as referenced above.

The required **DECLARATION** form has been completed and is enclosed.

Please call if you have any further questions of the Town in this regard.

Sincerely,



Elizabeth D. Faricy  
Administrator

Cc: Board of Selectmen  
Highway Supt. Thomas C. Green

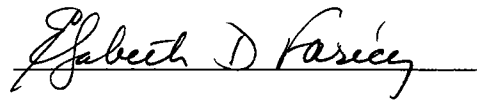
**ATTACHMENT**

Instructions: Complete and Include With Your Response

**DECLARATION**

I declare under penalty of perjury that I am Elizabeth D. Faricy, the Administrator of the City/Town of West Bridgewater, Massachusetts, that I am authorized to respond on behalf of the City/Town and that the foregoing is a complete, true and correct response.

Executed on June 27, 2005.

A handwritten signature in cursive script that reads "Elizabeth D. Faricy". The signature is written in black ink and is positioned above a horizontal line.

[Signature]

**Elizabeth D. Faricy,**

**Administrator**

[Typed Name and Title]

**Municipality/Organization:** Town of West Bridgewater

**EPA NPDES Permit Number:** MAR041172

**MaDEP Transmittal Number:** W-041193

**Annual Report Number  
& Reporting Period:** No. 2 March 04-March 05

## NPDES PII Small MS4 General Permit Annual Report

### Part I. General Information

**Contact Person:** Thomas C. Green **Title:** Highway Superintendent

**Telephone #:** 1-508-894-1216 **Email:** TGreen@Wbridgewater.com

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:** Elizabeth D. Faricy

**Title:** Administrator

**Date:** June 27, 2005

## **Part II. Self-Assessment**

**The Town of West Bridgewater has completed the required self-assessment and has determined that our municipality is in compliance with all permit conditions except for the following provisions:**

- 1. BMP No. 3: Stencil Storm Drains**
- 2. BMP No. 4: Educate Students**
- 3. BMP No. 26: Ensure WLA met by S/W BMPs**

**Part III. Summary of Minimum Control Measures**

**1. Public Education and Outreach**

<b>BMP ID #</b>	<b>BMP Description</b>	<b>Responsible Dept./Person Name</b>	<b>Measurable Goal(s)</b>	<b>Progress on Goal(s) – Permit Year 2 (Reliance on non-municipal partners indicated, if any)</b>	<b>Planned Activities – Permit Year 3</b>
1.	Enlist residents as S/W Educators	S/W Mgr.	Form public ed. force	Continue review of PER as a committee	Continue review of PER as a committee
2.	Design & Distribute Brochures	S/W Mgr.	Raise public awareness	Distribute brochure in Water Department bills in Spring 2004.	Consider additional public notice through newspaper articles
3.	Stencil storm drains	Highway Department	Identify MSW4's	No progress	Looking into suitable materials to use to perform stenciling.
4.	Educate students	Task Force and Teachers	Introduce in classrooms	No progress	Looking into suitable materials to use for presentation to students.
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 2 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 3
5.	Form Technical Committee (T/C)	S/W Mgr.	Comm. Provides tech assistance	CWRMP Committee continues review of the State mandated PER	Continue program
6.	T/C reviews general permit	T/C	Goals identified	NPDES permit review	On going.
7.	T/C drafts by-laws	T/C	Town Mtg. adopts by-laws	Illicit Discharge BY-Law drafted and passed at a Special Town Meeting.	
8.	Residents assist with by-law enforcement	S/W Mgr.	Residents report violations	Residents report violations to Board of Health and/or Highway Supt. Supt. investigates and action taken to stop the violation.	Ongoing.
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 2 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 3
9.	Map outfalls and MS4	Highway Supt.	Map of MS4	On-going program	Continue program
10.	Train staff in outfall inspection	Highway Supt.	Develop detection program	Started training staff in outfall inspections.	On-Going program for all members of department
11.	Tech Comm. Drafts illicit discharge bylaw	Highway Supt.	Town adopts bylaw	By-Law drafted and adopted in October 2004	
12.	Enforcement of bylaw	Highway Supt., Selectmen	Discourage violations.	Ongoing program	Continue
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 2 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 3
13.	Joint selection of erosion BMPs to be required for construction	Tech. Comm.	Con-Com. Assist w/drafting Erosion & Sediment Control By-Law	Work with ConCom By-Laws and Rules and Regulations which address erosion and sediment control to learn procedures to follow.	Begin program.
14.	Pl. Bd. Includes E&S BMPs in subdivision review	Tech. Comm, Pl Bd.	BMPs required	Worked with Planning Board Chairman to make sure BMPs are required of new developments during Site Plan Review.	Continue program.
15.	ZBA includes E&S BMPs in site plan review	Tech. Comm., ZBA	BMPs required	Worked with Zoning Board of Appeals to make sure that BMPs are required of new developments during Site Plan Review.	Continue program.
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 2 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 3
16.	PIBd Meets with Tech. Comm to review goals of S/W plans	Pl. Bd., Tech Comm.	Identify changes in regs needed to comply	Review all BMPs with Planning Board Chairman to incorporate into SPR process	Continue program.
17.	Propose regulation changes as appropriate	Pl. Bd., Tech Comm, ZBA	Amend existing regulations	Ongoing.	Ongoing.
18.	Require BMPs in review process	Pl. Bd., ZBA	Land use boards require S/W management plans	Ongoing.	Ongoing.
19.	Require deed restrictions	Pl. Bd./ ZBA, Town Counsel, S/W Mgr.	Town can ensure long term maintenance	Ongoing	Ongoing.
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 2 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 3
20.	Clean Catch basins regularly	Highway Dept.	Prevent debris from entering MS4	In progress.	Continue program.
21.	Sweep streets regularly	Highway Dept.	Prevent sand & debris from entering MS4	In progress.	Continue program.
22.	Use E&S controls for road repairs	Highway Department	Prevent erosion into MS4	Not started yet	Begin program in Spring 2005
23.	Cover outside drains	Highway Dept.	Prevent leachate	In progress	Continue program.
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 2 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 3
24.	Does MS4 discharge into impaired water body?	Highway Supt.	Show outfalls of MS4 into impaired water bodies	Review those known to date.	Continue program
25.	Identify whether pollutants are discharging into MS4	Highway Supt.	Identify source of pollutants	On Going inspections and identification of pollutants.	Continue program
26.	Ensure WLA met by S/W BMPs	Highway Supt.	Determine if add'l S/W BMPs needed	Work with peer engineering review with Planning Board and Zoning Board of Appeals for each new Site Plan Review.	Continue program
27. Revised	Eliminate pollutant discharges coming through MS4	Highway Supt.	Enforce illicit discharge by-law	Review those known to date.	Begin program in Spring 2005
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	Yes, Highway Supt.	
Annual program budget/expenditures	N/A	

**Education, Involvement, and Training**

Estimated number of residents reached by education program(s)	N/A	
Stormwater management committee established	Yes	
Stream teams established or supported	Yes	
Shoreline clean-up participation or quantity of shoreline miles cleaned	Yes	
Household Hazardous Waste Collection Days		
<ul style="list-style-type: none"> <li>▪ days sponsored</li> <li>▪ community participation</li> <li>▪ material collected</li> </ul>	2 2000 Paints, solvents,tires, all hazardous materials.	
School curricula implemented	No	

**Legal/Regulatory**

	In Place Prior to Phase II	Under Review	Drafted	Adopted
Regulatory Mechanism Status (indicate with "X")				
▪ Illicit Discharge Detection & Elimination			X	X
▪ Erosion & Sediment Control	X			X
▪ Post-Development Stormwater Management	X			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	40 %		
Estimated or actual number of outfalls	24		
System-Wide mapping complete	20%		
Mapping method(s)			
▪ Paper/Mylar	0		
▪ CADD	0		
▪ GIS	24		
Outfalls inspected/screened	All inspected		
Illicit discharges identified	0		
Illicit connections removed	0		
% of population on sewer	4%		
% of population on septic systems	96%		

**Construction**

Number of construction starts (>1-acre)	10
Estimated percentage of construction starts adequately regulated for erosion and sediment control	100%
Site inspections completed	100%
Tickets/Stop work orders issued	0
Fines collected	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	100%
Estimated volume of stormwater recharged	Unknown

**Operations and Maintenance**

Average frequency of catch basin cleaning (non-commercial/non-arterial streets)	1 time/year
Average frequency of catch basin cleaning (commercial/arterial or other critical streets)	1 time/year
Total number of structures cleaned	400
Storm drain cleaned	10 miles
Qty. of screenings/debris removed from storm sewer infrastructure	50 T/est.
Disposal or use of sweepings (landfill, POTW, compost, recycle for sand, beneficial use, etc.)	Compost
Cost of screenings disposal	\$4,000

Average frequency of street sweeping (non-commercial/non-arterial streets)	2 times/year
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Average frequency of street sweeping (commercial/arterial or other critical streets)	3 times/year
Qty. of sand/debris collected by sweeping	100 T/estimate
Disposal of sweepings (landfill, POTW, compost, beneficial use, etc.)	Compost
Cost of sweepings disposal	0
Vacuum street sweepers purchased/leased	N/A
Vacuum street sweepers specified in contracts	N/A

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

Anti-/De-Icing products and ratios	2:1 ratio sand/salt
Pre-wetting techniques utilized	N
Manual control spreaders used	Y
Automatic or Zero-velocity spreaders used	N
Estimated net reduction in typical year salt application	Unknown
Salt pile(s) covered in storage shed(s)	Yes
Storage shed(s) in design or under construction -- WB shed is on site, completely covered and locked	N/A