



# TOWN OF BRIDGEWATER

*SUPERINTENDENT*  
**ANDREW P. BAGAS**  
(508) 697-0931

**OFFICE OF  
HIGHWAY SUPERINTENDENT**

**151 HIGH STREET  
BRIDGEWATER, MA 02324**

**DATE:** November 17, 2005

**TO:** U.S. E.P.A.  
Water Treatment Unit  
P.O. Box 8127  
Boston, MA 02114

Mass D.E.P.  
Division of Watershed Mgt.  
627 Main St. 2<sup>nd</sup> Floor  
Worcester, MA 01608

**FROM:** Andrew Bagas  
Bridgewater Highway Superintendent

**RE:** 2005 Phase II Annual Report

Attached please find the 2005 NPDES Phase II MS4 General Permit  
Annual Report for the Town of Bridgewater.

**Municipality/Organization:** TOWN OF BRIDGEWATER

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**EPA NPDES Permit Number:**

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**MaDEP Transmittal Number:** W-

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**Annual Report Number**

**& Reporting Period:**

**No. 2: March 04-March 05**

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NOV 21 2005

## **NPDES PII Small MS4 General Permit Annual Report**

### **Part I. General Information**

**Contact Person:** Andrew Bagas

**Title :** Highway Superintendent

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**Telephone #:** 508-697-0931

**Email:** abagas@bridgewaterma.org

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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.

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

The Town of Bridgewater has completed the required self-assessment and has determined that our municipality is towards permit conditions, except for the following provisions:

- BMP # 1. Enlist residents as S/W educators.
- BMP # 2. Design & distribute brochures.
- BMP # 4. Educate students.

**2. Public Involvement and Participation**

<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 1 (Reliance on non-municipal partners indicated, if any)</b>	<b>Planned Act Permit Year</b>
7 Revised	T/C drafts by-laws	Tech Comm		Construction By-Law In progress	Continue pro
8 Revised	Residents assist with adopt-a-drain program	“		Not started yet	FY06-FY08
9 Revised	Map outfalls and MS4	“		Mapping in progress	Continue ma
10 Revised	Train staff in outfall inspection	“		Training started	Begin progra
11 Revised	Tech Committee drafts illicit discharge by-law	“	Completed	Completed	Town adopte
12 Revised	Enforcement of by-law	“		In progress	In progress

**2a. Additions**


**3. Illicit Discharge Detection and Elimination**

<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 1 (Reliance on non-municipal partners indicated, if any)</b>	<b>Planned Act Permit Year</b>
13	BPM's required for construction	Tech Comm		By-Law development in progress	Begin progr
Revised					
14	Plng Bd includes BMPs in sub-division review	Planning Board, Tech Comm		In progress	Continue pr
Revised					
15	ZBA includes BMPs in site review	ZBA		In progress	Begin progr
Revised					
16	Enforcement of By-law	Hwy. Supt. And Board of Selectmen		Not started yet	Begin progr
Revised					
17	Plng Bd & Tech Comm. to review goals	Plng. Bd.		In progress	Begin FY06
Revised					
18	Propose regulation changes	Plng, Bd., Tech Comm. ZBA		In progress	Begin FY06
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 Act Permit Year
19	Require BMPs in review process	Plng Bd, ZBA		Not started yet	FY06
Revised					
20	Require deed restrictions	Plng Bd, ZBA, Counsel, SW mgr.		In progress	Continue pro
Revised					
21	Clean catch basins regulary	Hwy Supt		In progress	Continue pro
Revised					
22	Sweep streets regularly	“		In progress	Continue pro
Revised					
23	Use E/S controls for road repairs	“		In progress	Continue pro
Revised					
24	Cover outside drains	“		In progress	Continue pro
Revised					

**4a. Additions**


**5. Post-Construction Stormwater Management in New Development and Redevelopment**

<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 1 (Reliance on non-municipal partners indicated, if any)</b>	<b>Planned Action Permit Year</b>
25	MS4 discharge to impaired waters?	Hwy Supt		In progress	Continue pro
Revised					
26	Identify pollutant discharge to MS4	“		In progress	Continue pro
Revised					
27	Ensure WLA met by S/W BMPs	“		Not started yet	Begin progra
Revised					
28	Reduce pollutant discharges to MS4s	“		In progress	Continue pro
Revised					
Revised					
Revised					

**5a. Additions**


**6. Pollution Prevention and Good Housekeeping in Municipal Operations**

<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 1 (Reliance on non-municipal partners indicated, if any)</b>	<b>Planned Act Permit Year</b>
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 Act Permit Year
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	N/A
Shoreline clean-up participation or quantity of shoreline miles cleaned	N/A
Household Hazardous Waste Collection Days	N/A
▪ days sponsored	
▪ community participation	
▪ material collected	
School curricula implemented	No


**Legal/Regulatory**

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

**Mapping and Illicit Discharges**

Outfall mapping complete	25%
Estimated or actual number of outfalls	200
System-Wide mapping complete	
<b>Mapping method(s)</b>	
▪ Paper/Mylar	20
▪ CADD	0
▪ GIS	0
Outfalls inspected/screened	20
Illicit discharges identified	0
Illicit connections removed	0
% of population on sewer	(35%)
% of population on septic systems	(65%)


**Construction**

Number of construction starts (>1-acre)	5
Estimated percentage of construction starts adequately regulated for erosion and sediment control	100
Site inspections completed	5
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	5
Estimated volume of stormwater recharged	Unknow

**Operations and Maintenance**

Average frequency of catch basin cleaning (non-commercial/non-arterial streets)	1/yr
Average frequency of catch basin cleaning (commercial/arterial or other critical streets)	1/yr
Total number of structures cleaned	4000
Storm drain cleaned	200
Qty. of screenings/debris removed from storm sewer infrastructure	Unknow
Disposal or use of sweepings (landfill, POTW, compost, recycle for sand, beneficial use, etc.)	Compos
Cost of screenings disposal	N/A