TOWN OF BRIDGEWATER

SUPERINTENDENT
ANDREW P. BAGAS
(508) 697-0931

151 HIGH STREET
BRIDGEWATER, MA 02324

OFFICE OF
HIGHWAY SUPERINTENDENT

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. 2nd 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

EPA NPDES Permit Number:

MaDEP Transmittal Number: W-

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

NOV 21 2005

NPDES PII Small MS4 General Permit Annual Report

Part I. General Information

Contact Person: Andrew Bagas Title : Highway Superintendent

Telephone #: 508-697-0931 Email: abagas@bridgewaterma.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.

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

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
7	T/C drafts by-laws	Tech Comm		Construction By-Law In progress	Continue pro
Revised					
8	Residents assist with adopt-a-drain program	"		Not started yet	FY06-FY08
Revised					
9	Map outfalls and MS4	"		Mapping in progress	Continue ma
Revised					
10	Train staff in outfall inspection	"		Training started	Begin progra
Revised					
11	Tech Committee drafts illicit discharge by-law	"	Completed	Completed	Town adopte
Revised					
12	Enforcement of by-law	"		In progress	In progress
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 Act Permit Yea
13	BPM's required for construction	Tech Comm		By-Law development in progress	Begin progra
Revised					
14	Plng Bd includes BMPs in sub-division review	Planning Board, Tech Comm		In progress	Continue pro
Revised					
15	ZBA includes BMPs in site review	ZBA		In progress	Begin progra
Revised					
16	Enforcement of By-law	Hwy. Supt. And Board of Selectmen		Not started yet	Begin progra
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

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
25	MS4 discharge to impaired waters?	Hwy Supt		In progress	Continue prc
Revised					
26	Indentify pollutant discharge to MS4	"		In progress	Continue prc
Revised					
27	Ensure WLA met by S/W BMPs	"		Not started yet	Begin progra
Revised					
28	Reduce pollutant discharges to MS4s	"		In progress	Continue prc
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 Act Permit Year
Revised					
Revised					
Revised					
Revised					
Revised					
Revised					

6a. Additions

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

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					
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	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
Regulatory Mechanism Status (indicate with "**X**")			
▪ Illicit Discharge Detection & Elimination			
▪ Erosion & Sediment Control			
▪ Post-Development Stormwater Management		X	
Accompanying Regulation Status (indicate with "**X**")			
▪ 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	
Mapping method(s)	
▪ 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