Municipality/Organization: Town of East Bridgewater, MA

B 5/1/08

EPA NPDES Permit Number: MAR041109

MaDEP Transmittal Number: W-041043

Annual Report Number
& Reporting Period: No. 5: April 1, 2007 -March 31, 2008

NPDES PII Small MS4 General Permit Annual Report

Part I. General Information

Contact Person: **John Haines** Title: **DPW Director**

Telephone #: **(508) 378-1620** Email: Jhaines@ebmass.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: George G Samia

Printed Name: **George G. Samia**

Title: **Town Administrator**

Date: **April 29, 2007**

Part II. Self-Assessment

The Town of East Bridgewater has successfully implemented or begun implementation of several Measurable Goals noted in East Bridgewater's Notice of Intent. Prior to the development of East Bridgewater's Comprehensive Stormwater Management Program, including Measurable Goals, the Town had an assessment performed of current activities, programs and regulations that could support the NPDES Phase II Stormwater Program. This assessment became the basis for modifying current activities, recommending new programs, and informing Town boards and departments of their obligation toward successful implementation of East Bridgewater's Comprehensive Stormwater Program.

During the initial years of the program, the Town has focused on obtaining the necessary funding to carry out the plan. During 2006, the necessary funding was made available and was approved by Town Meeting. During Permit Year 4, the Town began the development of town-wide stormwater mapping, and outfall inspection and testing in support of an illicit discharge detection program.

During Permit Year 5 (2007) the stormwater outfall mapping and related water quality screening tasks were completed.

East Bridgewater is pleased to present the following summary describing the town's success at implementing the fifth year of the Town's Comprehensive Stormwater Program.

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 5 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 5
1	Create a Stormwater Program	DPW, Planning Board, Con Comm., BOH, Selectmen	E. Bridgewater will present the draft Comprehensive Stormwater Management Program at a public meeting	Town will continue to review the program	Town will continue to review the program
2	Create a Stormwater Program	DPW	Identify appropriate sources of funding assistance (SRF, 319 Grant Program, 604(b) Grant Program, Lakes and Ponds Grant Program, Source Water Protection Grant Program, Recycling Grant Program) and apply for assistance in implementing portions of E. Bridgewater's Comprehensive Stormwater Management Program, including public education and outreach.	Funds available during 2006 and approved at Town Meeting.	Task initiated.
3	Address specific groups	DPW	Distribute EPA and other relevant educational brochures to targeted audiences. Distribution points include Town hall, Library, and Transfer Station	Continue distribution of stormwater related brochures	Continue distribution of stormwater related brochures

4	Target groups likely to impact stormwater	DPW	Brochures targeting specific audiences and activities will be available. These target groups include homeowner and lawn maintenance activities, disposal of household waste, and pet maintenance.	Continue distribution of stormwater related brochures	Continue distribution of stormwater related brochures
BMP ID #	**BMP Description**	**Responsible Dept./Person Name**	**Measurable Goal(s)**	**Progress on Goal(s) – Permit Year 5** (Reliance on non-municipal partners indicated, if any)	**Planned Activities – Permit Year 5**
5	Identify alternative information sources	DPW, MIS Dept.	Post links to stormwater BMPs and other water quality education resources, including EPA and DEP on its website. www.eastbridgewaterma.org	Focus on distribution of stormwater related brochures	Develop website with stormwater related links
6	Identify alternative information sources	DPW MIS Dept.	Post links on Town website to the Taunton River Watershed Council http://www.tauntonriver.org/	Focus on distribution of stormwater related brochures	Develop website with stormwater related links
7	Utilize local public access channel	DPW	Public meeting notice and the meeting reviewing E. Bridgewater's Comprehensive Stormwater Management Program will be posted on East Bridgewater's local access channel.	Continue posting relevant meetings on the local access channel as deemed beneficial	Continue posting relevant meetings on the local access channel as deemed beneficial
8	Utilize local public access channel	DPW TRW Liaison	The Town of East Bridgewater will appoint a liaison to the Taunton River Watershed Council to disseminate information to the Town on TRW programs and activities.	Outreach representative to continue to serve as liaison	Outreach representative to continue to serve as liaison
9	Utilize local public access channel	DPW Board of Health	The Town of East Bridgewater will work with the Town's contracted waste hauler and the Board of Health to continue to sponsor Regional Hazardous Waste Collection Days.	Annual hazardous waste days	Annual hazardous waste days

2. Public Involvement and Participation

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 5 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 5
10	Storm drain stenciling	DPW	East Bridgewater will work with local Scout groups to develop a stenciling program. Stenciling will target East Bridgewater's sub-watersheds.	Continued initial discussions with Senior Center Work Program for support	Initiate and continue stenciling
11	Community cleanups	DPW East Bridgewater Conservation Commission	Town of East Bridgewater will encourage local stream team cleanups. The Town will provide notice of the event on its local access channel and website.	The Town continued to encourage community clean up activities	The Town will continue to encourage community clean up activities
12	Community clean-ups	DPW	Town will provide trucks and other material to support cleanup efforts and disposal of materials.	Local residents have organized neighborhood clean ups. The DPW will continue to provide support	The DPW will continue to provide support

3. Illicit Discharge Detection and Elimination

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 5 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 5
13	Inventory and mapping of storm drain system	DPW	East Bridgewater will identify appropriate sources of funding (assistance (SRF, 319 Grant Program, 604(b) Grant Program, Lakes & Ponds Grant Program, Source Water Protection Grant Program, Recycling Grant Progam) and apply for assistance in implementing portions of East Bridgewater's Comprehensive Stormwater management program, including public education and outreach.	Funding obtained in 2006. Town initiated program outlined in the Stormwater Management Plan, including outfall mapping, and screening and testing of select outfall discharges.	Town will continue program outlined in the Stormwater Management Plan.
14	Mapping and identification of outfalls and receiving water	DPW Board of Assessors	East Bridgewater will develop and implement a plan to map all outfalls and receiving bodies of water, contingent on Town Meeting approval of funding.	The Town obtained funding. Began mapping outfalls and receiving water bodies.	Continue and complete mapping project.

3. Illicit Discharge Detection and Elimination (cont'd)

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 5 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 5
15	Identification/ description of problem areas.	DPW	East Bridgewater will develop and implement an Illicit Discharge Detection and Elimination (IDDE) plan, contingent on Town Meeting approval of funding.	The Town obtained funding. Began mapping and screening of outfalls.	Continue screening and sampling of outfalls to identify problem areas.
16	Enforcement procedures addressing illicit discharges	Planning Board Town Counsel Board of Health	East Bridgewater will review whether local authority is appropriate and able to respond to potential illicit discharges. New by-laws, if necessary, will be proposed to Town Meeting.	The Town obtained funding.	Town will review local authority is appropriate and necessity of new by-laws
17	Public information program regarding hazardous wastes and dumping	DPW Board of Health	East Bridgewater will provide educational brochures to residents within the member communities promoting proper disposal of household hazardous wastes and conditions for regional collections.	Continue the distribution of brochures	Continue the distribution of brochures

3. Illicit Discharge Detection and Elimination (cont'd)

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 5 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 5
18	Initiation of recycling programs	DPW Board of Health	East Bridgewater will apply for funding assistance from DEP's Recycling Grant Program for assistance in public education and the purchase of recycling materials.	Sought funding alternatives beyond those pursued during permit year 2	Will continue to seek funding alternatives

3. Illicit Discharge Detection and Elimination (cont'd)

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 5 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 5
19	Watershed assessments and studies	DPW Conservation Commission Board of Health	East Bridgewater will identify opportunities for funding assistance from DEP's 604(b) and 319 grant programs and the Department of Environmental management's Lakes and Ponds Grant Program to support watershed assessment and implementation activities. Tasks can include design and installation of stormwater BMP's and public outreach including storm drain stenciling. Emphasis will be on assessments and remediation of stormwater related problems impacting water quality in Plymouth Street Pond, Matfield River from the confluence of Beaver Brook and Salisbury Plain River, Salisbury Plan River from Brockton WWTP to confluence with Matfield River. These waterbodies have been identified as impaired an on DEP's 303d list.	Funding obtained during permit year 3 and approved at Town Meeting in Year 4. Initiated assessment and studies in accordance with Stormwater Management Plan	Continue assessment and studies in accordance with Stormwater Management Plan

3. Illicit Discharge Detection and Elimination (cont'd)

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 5 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 5
20	Watershed assessments and studies	DPW Water Department	The Town of East Bridgewater will encourage the East Bridgewater Water Department to apply for funding assistance from DEP's Source Water Protection Program for grant assistance to develop wellhead protection plans and stormwater management plans within Zones II.	The Town did not look into the availability of funds from the Water Protection Program in permit year 5	Look into fund availability

4. Construction Site Stormwater Runoff Control

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 5 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 5
21	Bylaw: Storm water management regulations for construction sites 1 acre or larger	Planning Board Conservation Commission Town Counsel Board of Health Zoning Board of Appeals	East Bridgewater will review model by-law developed by DEP in consultation with the Attorney General's Office.	The Town did not schedule a department workshop to review the stormwater management regulations	Schedule workshop to review components of the Comprehensive Stormwater Management Program, including stormwater management regulations

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 5 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 5
22	Bylaw: Require post-construction runoff controls	Planning Board Conservation Commission Town Counsel Board of Health Zoning Board of Appeals	East Bridgewater will review model by-law developed by DEP in consultation with the Attorney General's Office	The Town did not schedule a department workshop to review the stormwater management regulations	Schedule workshop to review components of the Comprehensive Stormwater Management Program, including stormwater management regulations

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 5 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 5
23	Develop a municipal Operations and Maintenance Plan	Department of Public Works	Using regulations and recommendations from DEP and EPA, East Bridgewater will develop and update an operations and maintenance plan to include proper disposal of street sweepings, catchbasin cleanout, snow disposal, roadway deicing procedures, vehicle washing, and outside storage of materials.	The Town maintains a daily work log	Continue the existing O&M program and investigate registration of highway facility floor drains with the DEP's UIC program.

6. Pollution Prevention and Good Housekeeping in Municipal Operations (cont'd)

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 5 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 5
24	Develop a municipal Operations and Maintenance Plan	Department of Public Works	East Bridgewater will implement a formal inspection program, including maintenance logs and scheduling, for catchbasin cleaning, repairs and new installation.	Town inspection program includes road and catchbasin maintenance	Continue with the existing program
25	Develop and implement training programs for municipal employees	Department of Public Works	East Bridgewater will send a minimum of 5 public works employees annually to training seminars sponsored by MassHighway, BayState Roads, and other relevant agencies or vendors.	Town employees have participated in the Bay State Roads education programs	Continue to attend relevant education and training programs
26	Review storm drainage infrastructure needs	Department of Public Works	East Bridgewater will incorporate storm drain infrastructure review in East Bridgewater's Chapter 90 project utilizations.	Town will continue to incorporate stormwater improvements within the roadway programs	Town will continue to incorporate stormwater improvements within the roadway programs

7. BMPs for Meeting Total Maximum Daily Load (TMDL) waste Load Allocations (WLA) – NOT APPLICABLE

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 5 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 5
				No TMDLs in the Town of East Bridgewater	

7b. WLA Assessment

To date, the Town has focused on completing GIS mapping of the drainage system and receiving waters, as approved by the DEP, and water quality screening and testing from the outfall locations that have been mapped.

A more detailed WLA assessment and Land Use Evaluation will follow.

Part IV. Summary of Information Collected and Analyzed

The Town has reviewed the local, state and federal bylaws relative to stormwater and aquifer protection, and appears to be adequately regulated and in conformance with the Massachusetts Stormwater Management Policy. Minor revisions may be required for informing local project proponents of the Phase II one-acre NPDES requirement.

Permit Year 5 Activities and Information

During Permit Year 5, the Town utilized funds from the Massachusetts Water Abatement Trust State Revolving Fund to initiate the activities outlined in the Storm Water Management Plan and began implementing those activities, including the development of full planimetric mapping of the Town. This mapping was used as the basis for the development of town-wide drainage system mapping and the performance of outfall inspections and water quality screening and testing as outlined in the DEP approved scope of work.

100 Willow Avenue
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EAST BRIDGEWATER

DEPARTMENT *of* PUBLIC WORKS

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April 29, 2008

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U.S. Environmental Protection Agency - Region 1
1 Congress Street, Suite 1100
Boston, MA 02114-2023

Fred Civian, Stormwater Coordinator
Massachusetts Department of Environmental Protection
One Winter Street - 5th Floor
Boston, MA 02108

RE: NPDES Phase II Small MS4 General Permit
Town of East Bridgewater, Massachusetts Annual Report
MADEP Transmittal No. W-041043
EPA Permit Number MAR041109

Dear Madam/Sir:

The Town of East Bridgewater, Massachusetts is pleased to provide you with the attached National Pollutant Discharge Elimination System (NPDES) Phase II Small MS4 General Permit Annual Report for the period from April 1, 2007 to March 31, 2008. In general, the Town has developed a stormwater management program and has continued to implement activities in accordance with regulatory requirements as available funding is available.

Should you have any questions, please do not hesitate to call me at (508) 378-1620.

Sincerely,

John Haines, Director
Department of Public Works