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**Municipality/Organization:** Town of East Bridgewater,  
MA

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**EPA NPDES Permit Number:** MAR041109

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**MaDEP Transmittal Number:** W-041043

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**Annual Report Number**

**& Reporting Period:** No. 8: April 1, 2010 -March  
31, 2011

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## NPDES PII Small MS4 General Permit Annual Report

### Part I. General Information

**Contact Person:** John Haines

**Title:** DPW Director

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**Email:** Jhaines@ebmass.com

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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.

**Signature:**



**Printed Name:** George G. Samia

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**Title:** Town Administrator

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**Date:** April 27, 2011

## **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 Permit Year 4 (2006), the necessary funding was made available and was approved by Town Meeting. The Town also began the development of town-wide stormwater mapping, and outfall inspection and testing in support of an illicit discharge detection program.

During Permit Years 5 and 6 (2007/2008) the stormwater outfall mapping and related water quality screening tasks were completed. During Permit Year 7 (2009) the Outfall Inventory Report and some connectivity mapping was completed. During Permit Year 8 (2010) the Town continued with control measures that were initiated during the previous permit years, including improving local good housekeeping programs; and communicating the Town's Plan to local watershed associations.

East Bridgewater is pleased to present the following summary describing the town's success at implementing the eighth 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 8<br>(Reliance on non-municipal partners indicated, if any) | Planned Activities – Permit Year 9                          |
|----------|-----------------------------|------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|-------------------------------------------------------------|
| 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 expended.                                                                               | Seek additional sources of funding for on-going activities. |
| 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                               |
| <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 8</b><br>(Reliance on non-municipal partners indicated, if any) | <b>Planned Activities – Permit Year 9</b>                                           |
| 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. <a href="http://www.eastbridgewaterma.org">www.eastbridgewaterma.org</a>         | Focus on distribution of stormwater related brochures                                                | Continue development of website with stormwater related links                       |
| 6               | Identify alternative information sources  | DPW MIS Dept.                        | Post links on Town website to the Taunton River Watershed Council<br><a href="http://www.tauntonriver.org/">http://www.tauntonriver.org/</a>                                                      | Focus on distribution of stormwater related brochures                                                | Continue to 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 8 (Reliance on non-municipal partners indicated, if any)      | Planned Activities – Permit Year 9                                |
|----------|------------------------|----------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|
| 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 discussions with Senior Center Work Program for support                               | Initiate and continue stenciling                                  |
| 11       | Community cleanups     | DPW<br>East<br>Bridgewater<br>Conservation<br>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 8 (Reliance on non-municipal partners indicated, if any)                                                                                      | Planned Activities – Permit Year 9                                     |
|----------|------------------------------------------------------------|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|
| 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 Program) 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 continued 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 mapped outfalls and receiving water bodies.                                                                                                                            | No additional actions needed.                                          |

### 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 8 (Reliance on non-municipal partners indicated, if any) | Planned Activities – Permit Year 9                                           |
|----------|-------------------------------------------------------------------|---------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|
| 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 has mapped and screened outfalls.                                                 | Continue screening and sampling of outfalls to identify problem areas.       |
| 16       | Enforcement procedures addressing illicit discharges              | Planning Board<br>Town Counsel<br>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<br>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 8<br>(Reliance on non-municipal partners indicated, if any) | Planned Activities – Permit Year 9         |
|----------|----------------------------------|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|--------------------------------------------|
| 18       | Initiation of recycling programs | DPW<br>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 8 (Reliance on non-municipal partners indicated, if any)                                                                          | Planned Activities – Permit Year 9                                                   |
|----------|-----------------------------------|---------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| 19       | Watershed assessments and studies | DPW Conservation Commission Board of Health | <p>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 Plain River from Brockton WWTP to confluence with Matfield River.</p> <p>These waterbodies have been identified as impaired an on DEP's 303d list.</p> | <p>Funding obtained during permit year 3 and approved at Town Meeting in Year 4. Initiated assessment and studies in accordance with Stormwater Management Plan</p> | <p>Continue assessment and studies in accordance with Stormwater Management Plan</p> |

### 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 8 (Reliance on non-municipal partners indicated, if any)              | Planned Activities – Permit Year 9 |
|----------|-----------------------------------|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|------------------------------------|
| 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 8 | 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 8<br>(Reliance on non-municipal partners indicated, if any)   | Planned Activities – Permit Year 9                                                                                                     |
|----------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| 21       | Bylaw: Storm water management regulations for construction sites 1 acre or larger | Planning Board<br>Conservation Commission<br>Town Counsel<br>Board of Health<br>Zoning Board<br>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 8 (Reliance on non-municipal partners indicated, if any)      | Planned Activities – Permit Year 9                                                                                                     |
|----------|--------------------------------------------------|------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| 22       | Bylaw: Require post-construction runoff controls | Planning Board<br>Conservation Commission<br>Town Counsel<br>Board of Health<br>Zoning Board<br>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 8 (Reliance on non-municipal partners indicated, if any) | Planned Activities – Permit Year 9                                                                                          |
|----------|-----------------------------------------------------|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| 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 8 (Reliance on non-municipal partners indicated, if any) | Planned Activities – Permit Year 9                                                    |
|----------|-----------------------------------------------------------------|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 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 8 (Reliance on non-municipal partners indicated, if any) | Planned Activities – Permit Year 8 |
|----------|-----------------|-------------------------------|--------------------|--------------------------------------------------------------------------------------------|------------------------------------|
|          |                 |                               |                    | 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 8 Activities and Information**

During Permit Year 8, the Town utilized funds from the Massachusetts Water Abatement Trust State Revolving Fund to complete 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.