

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

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**EPA NPDES Permit Number: MAR041109**

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**Massachusetts DEP Transmittal Number: W041043**

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**Annual Report Number**

**& Reporting Period: No. 15: April 1, 2017 -March 31, 2018**

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## **NPDES Phase II Small MS4 General Permit Annual Report**

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

**Contact Person: John Haines**

**Title: DPW Director**

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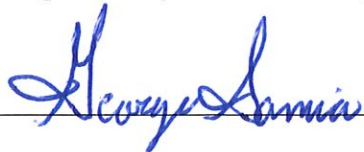
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#### Certification:

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 Samia**

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**Title: Town Administrator**

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**Date:**



## Part II. Self-Assessment

The Town of East Bridgewater has successfully implemented or is in the process of completing implementation of several Measurable Goals detailed 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 Years 8 through 13 (2010-2016) 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. The EPA audited the Town's stormwater program over two days in November, 2013.

During Permit Years 11, 12 and 13, the Town worked with the Southeast Regional Services Group (SERSG) to apply for and receive a Community Innovation Challenge (CIC) Grant, and established the Southeastern Massachusetts Stormwater Collaborative. The Stormwater Collaborative worked together to create a regional stormwater website ([www.semastormwater.org](http://www.semastormwater.org)), to host two training sessions on IDDE and the new draft Permit requirements, as well as develop RFP's for stormwater related services.

During Permit Year 13, the Town worked to respond to a Request for Information from EPA. The Town prepared the response letter (attached), conducted junction manhole sampling in the contributing network and further mapped connectivity. The Town also completed dye-testing to assist with locating illicit connections near West Union Street and North Central Street. The August 2016 letter to the EPA detailing work completed is attached for reference.

During Permit Year 15, the Town passed the stormwater bylaw and the Conservation Commission begin processing applications for permits. The bylaw covers construction phase erosion control and post construction stormwater management. The Town also focused on completing outfall inspections.

East Bridgewater is pleased to present the following summary describing the town's success at implementing the fifteenth 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 15<br>(Reliance on non-municipal partners indicated, if any)                                                                                                                                                                                                                                                                                                                                                                                       | Planned Activities – Permit Year 16<br>(if applicable)                                                      |
|----------|-----------------------------|------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|
| 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. | In Permit Years 11 & 12, Town teamed with regional group (SERSG) to apply for and received an \$80,000 Community Innovation Challenge (CIC) grant for Stormwater Management. Expended the grant monies which include a regional website, stormwater training, and issuing an RFP for stormwater-related services. The DPW website has stormwater related information posted regularly.<br><a href="http://www.ebdpw.com/stormwater-education">www.ebdpw.com/stormwater-education</a> | Continue to operate Town stormwater program. Continue to update stormwater information on Town DPW website. |
| 3        | Address specific groups     | DPW                                            | Distribute EPA and other relevant educational brochures to targeted audiences. Distribution points include Town hall, Library, and Transfer Station                                                                                                                                                                                                          | Maintain stormwater posters placed in Town Hall and Highway Garages that discuss Stormwater BMP's.                                                                                                                                                                                                                                                                                                                                                                                   | Continued posting of stormwater related posters.                                                            |

| <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 15</b><br>(Reliance on non-municipal partners indicated, if any)                                                                                                  | <b>Planned Activities – Permit Year 16</b><br>(if applicable)                                   |
|-----------------|------------------------------------------|--------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|
| 4               | 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> | Continue to work with regional group (SERSG) and maintain the regional stormwater website ( <a href="http://www.semastormwater.org">www.semastormwater.org</a> ) This is linked to the Town's website. | Continue to develop and update postings on website regarding stormwater education and outreach. |
| 5               | Identify alternative information sources | DPW MIS Dept.                        | Post links on Town website to the Taunton River Watershed Council <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.                                      |
| 6               | 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.                   | The Town did not post stormwater related notices on the local public access channel this Permit Year.                                                                                                  | Continue posting relevant meetings on the local access channel as deemed beneficial.            |
| 7               | 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.                                        |
| 8               | 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 Collection Day on April 22 <sup>nd</sup> , 2017.                                                                                                                                | Annual hazardous waste day, planned for August 25 <sup>th</sup> , 2018.                         |

## 2. Public Involvement and Participation

| BMP ID # | BMP Description        | Responsible Dept./Person Name                            | Measurable Goal(s)                                                                                                                                     | Progress on Goal(s) – Permit Year 15<br>(Reliance on non-municipal partners indicated, if any) | Planned Activities – Permit Year 16<br>(if applicable)                                                    |
|----------|------------------------|----------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|
| 9        | 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 program.                                                                 |
| 10       | 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. | This Permit Year the Town did not train volunteers for stormwater monitoring.                  | The Town will continue to encourage community clean-up activities and train volunteers in Permit Year 16. |

### 3. Illicit Discharge Detection and Elimination

| BMP ID # | BMP Description                                            | Responsible Dept./Person Name | Measurable Goal(s)                                                                                                                                                                                                                                                                                                                         | Progress on Goal(s) – Permit Year 15<br>(Reliance on non-municipal partners indicated, if any)                                                                                                                                                                                                                                                         | Planned Activities – Permit Year 16                                    |
|----------|------------------------------------------------------------|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|
| 11       | 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. | Funding obtained in 2006. Town continued program outlined in the Stormwater Management Plan, including outfall mapping, and screening and testing of select outfall discharges.<br><br>During Permit Year 15, the mapping was updated to reflect information found during junction manhole sampling, specifically on South Street and Hillside Avenue. | Town will continue program outlined in the Stormwater Management Plan. |
| 12       | 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.                                                                                                                                                                                      | No additional outfalls and receiving water bodies mapped during this period.                                                                                                                                                                                                                                                                           | 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 15<br>(Reliance on non-municipal partners indicated, if any)                                                                                                                                                                                                | Planned Activities – Permit Year 16<br>(if applicable)                 |
|----------|-------------------------------------------------------------------|---------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|
| 13       | Identification/<br>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. The Board of Health will continue to work to identify illicit connections that contribute to O-194 on West Union Street.<br><br>The Town inspected all outfalls to investigate for dry weather flow, and will be following up to determine source. | Continue screening and sampling of outfalls to identify problem areas. |
| 14       | 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.           | During Permit Year 13, the Town approved an IDDE Ordinance, and initiated authority to act through the Board of Health.<br><br>During Permit Year 15, the Town proceeded to enforce the IDDE Ordinance, no violations were encountered.                                                       | Town will continue to enforce the IDDE Ordinance.                      |
| 15       | 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 15<br>(Reliance on non-municipal partners indicated, if any)                                                | Planned Activities – Permit Year 16<br>(if applicable)                         |
|----------|-----------------------------------|---------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|
| 16       | 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.                                                                            | The Town pursued funds from the Recycling Grant Program in Permit Year 15, as well as mattress recycling for the Recycling Dividends Program. | Will continue to seek funding alternatives.                                    |
| 17       | 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 Lakes and Ponds Grant Program to support watershed assessment and implementation activities.                                | The Town did not pursue funds from these sources in Permit Year 15.                                                                           | Continue assessment and studies in accordance with Stormwater Management Plan. |
| 18       | Watershed assessments and studies | DPW Water Department                        | East Bridgewater will encourage their 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 pursue funds from the Water Protection Program in Permit Year 15.                                                            | 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 15<br>(Reliance on non-municipal partners indicated, if any)                                                                                                                                                                                         | Planned Activities – Permit Year 16<br>(if applicable)             |
|----------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|
| 19       | 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 of Appeals | East Bridgewater will review model by-law developed by DEP in consultation with the Attorney General's Office. | The Town developed a regulatory mechanism to require sediment and erosion control at Construction Sites. No violations to the Permit were encountered during this Permit Year.<br><br>The Town now utilizes a tablet with a template to fill in information and store reports on site. | Approve and enforce regulatory mechanism. Document any violations. |

#### 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 15<br>(Reliance on non-municipal partners indicated, if any)                                    | Planned Activities – Permit Year 16<br>(if applicable)             |
|----------|--------------------------------------------------|---------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|
| 20       | Bylaw: Require post-construction runoff controls | Planning Board<br>Conservation Commission<br>Town Counsel<br>Board of Health<br>Zoning Board of Appeals | East Bridgewater will review model by-law developed by DEP in consultation with the Attorney General's Office | The Town is working to develop a regulatory mechanism to address post-construction runoff from New Development and Redevelopment. | Approve and enforce regulatory mechanism. Document any violations. |

## 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 15<br>(Reliance on non-municipal partners indicated, if any)                                                                                                                                                                                                                        | Planned Activities – Permit Year 16<br>(if applicable)                                                              |
|----------|-----------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
| 21       | 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, catch basin cleanout, snow disposal, roadway deicing procedures, vehicle washing, and outside storage of materials. | <p>The Town maintains a daily work log.</p> <p>The Town developed a municipal O&amp;M Plan during Permit Year 13, as a response to the EPA's Request for Information.</p> <p>Street sweeping of all roads is completed annually.</p> <p>Catch basin cleaning program is on-going, to be completed by August 2018.</p> | <p>Develop and bid the Stormwater-related services RFP.</p> <p>Work in accordance with the Town's O&amp;M Plan.</p> |

## 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 15<br>(Reliance on non-municipal partners indicated, if any) | Planned Activities – Permit Year 16<br>(if applicable)                                 |
|----------|-----------------------------------------------------------------|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
| 22       | 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 catch basin cleaning, repairs and new installation.                  | Town inspection program includes road and catch basin maintenance.                             | Continue with the existing program.                                                    |
| 23       | 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. | Continue to attend relevant education and training programs.                                   | Continue to attend relevant education and training programs.                           |
| 24       | 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. |

Additional Items: The Town of East Bridgewater DPW worked with the Plymouth County Mosquito Control Project crews to remove blockages, brush and other obstructions from ditches and streams.

## Part IV. Summary of Information Collected and Analyzed

*No additional information has been collected or analyzed outside of what was listed in Part III above.*