

**Municipality/Organization:** City of Brockton, MA

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**EPA NPDES Permit Number:** MAR041098

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**MaDEP Transmittal Number:** W- 127273

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**Annual Report Number  
& Reporting Period:** No. 4: March 06-March 07

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

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

**Contact Person:** Michael L. Thoreson **Title:** DPW Commissioner

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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:**

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**Printed Name:** Michael L. Thoreson

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**Title:** DPW Commissioner, City of Brockton

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**Date:**

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

The City of Brockton has completed the required self-assessment and determined that the municipality is in compliance with all permit conditions.

### 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 4<br>(Reliance on non-municipal partners indicated, if any)                      | Planned Activities – Permit Year 5                                                   |
|----------------------|------------------------------------------|-------------------------------|----------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| 1-1                  | Stencil Catch Basins                     | Highway Department            | Catch Basins Stenciled                                   | The highway department placed decals at 100 catch basins.                                                          | Attempt to place decals at another 100 catch basins.                                 |
| 1-2                  | Household Hazardous Waste Collection Day | Department of Public Works    | One Collection Day Held per Year                         | Household Hazardous Waste Collection Day was held on September 30, 2006.                                           | Hold a Household Hazardous Waste Collection Day is scheduled for September 29, 2007. |
| 1-3<br>(same as 3-6) | Inserts in Water and Sewer Bills         | Water and Sewer Department    | Bill Stuffers Mailed in Years 2 (2004) and Year 4 (2006) | Bill stuffers were provided in permit Year 1 and Year 3. All requirements met.                                     | None                                                                                 |
| 1-4                  | Resident Hotline                         | Operations                    | Hotline operated 24 hours per day, 365 days per year     | Hotline operated at Water and Sewer Department                                                                     | Continue hotline.                                                                    |
| 1-5                  | Pooper Scooper Ordinance                 | City Clerk                    | Ordinance passed, enforced                               | Ordinance was passed prior to permit term.                                                                         | Continue enforcing Pooper Scooper Ordinance.                                         |
| 1-6                  | Newspaper Article                        | Department of Public Works    | One Article Published every three years                  | An article describing the stormwater permit was written and submitted to the Brockton Enterprise in permit year 1. | Publish an article describing the City's stormwater permit requirements.             |

#### 1a. Additions

No Additions to Control Measure 1

## 2. Public Involvement and Participation

| <b>BMP ID #</b> | <b>BMP Description</b>                                                          | <b>Responsible Dept./Person Name</b> | <b>Measurable Goal(s)</b>                    | <b>Progress on Goal(s) – Permit Year 4</b><br>(Reliance on non-municipal partners indicated, if any) | <b>Planned Activities – Permit Year 5</b>               |
|-----------------|---------------------------------------------------------------------------------|--------------------------------------|----------------------------------------------|------------------------------------------------------------------------------------------------------|---------------------------------------------------------|
| 2-1             | Comply with State public notification guidelines at MGL Chapter 39 Section 23B. | City Clerk                           | Notices Posted According to State Guidelines | All notices have been posted according to state guidelines.                                          | Continue posting notices according to state guidelines. |
| 2-2             | Public Review for Stormwater Management Plan                                    | Department of Public Works           | Review Period Held                           | None                                                                                                 | None                                                    |

### 2a. Additions

No additions to Control Measure 2.

### 3. Illicit Discharge Detection and Elimination

| BMP ID #          | BMP Description                                      | Responsible Dept./Person Name | Measurable Goal(s)                                                                                                                                                       | Progress on Goal(s) – Permit Year 4<br>(Reliance on non-municipal partners indicated, if any) | Planned Activities – Permit Year 5                 |
|-------------------|------------------------------------------------------|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|----------------------------------------------------|
| 3-1               | Illicit Connection Ordinance                         | City Council                  | Ordinances Passed                                                                                                                                                        | Ordinance completed prior to permit term.                                                     | None                                               |
| 3-2               | Dry Weather Screening                                | Highway Department            | Outfalls Screened in 2002 and 2006                                                                                                                                       | Second round of dry weather screening complete 2006. First was in 2002.                       | None                                               |
| 3-3               | Map Stormwater Outfalls                              | Engineering Department        | Map Created                                                                                                                                                              | Map completed in 2002.                                                                        | None                                               |
| 3-4               | Sewer GIS                                            | Sewer Department              | GIS Created                                                                                                                                                              | GIS of sewers completed in 1999.                                                              | None                                               |
| 3-5               | Storm Drain GIS                                      | Engineering Department        | GIS Created                                                                                                                                                              | GIS of entire drainage system completed in 2004.                                              | None                                               |
| 3-6               | Identify and Remove Non-Stormwater Discharges to MS4 | Engineering Department        | Prioritized List of Outfalls by end of Permit year 1; field investigations completed, illicit connection located and removed within three years of dry weather screening | Prioritized list of outfalls developed based on 2006 dry weather screening                    | Conduct field investigations of priority outfalls. |
| 3-6 (same as 1-3) | Bill Stuffers in Water and Sewer Bills               | Water and Sewer Departments   | Illicit Connection Bill Stuffer Created in Permit Year 2 (2004)                                                                                                          | None                                                                                          | None                                               |

#### 3a. Additions

No additions to Control Measure 3.

#### Part IV. Summary of Information Collected and Analyzed

#### Part V. Program Outputs & Accomplishments (OPTIONAL)

##### Programmatic

|                                                |       |     |
|------------------------------------------------|-------|-----|
| Stormwater management position created/staffed | (y/n) | yes |
| Annual program budget/expenditures             | (\$)  |     |
|                                                |       |     |
|                                                |       |     |

##### Education, Involvement, and Training

|                                                                         |               |  |
|-------------------------------------------------------------------------|---------------|--|
| Estimated number of residents reached by education program(s)           | (# or %)      |  |
| Stormwater management committee established                             | (y/n)         |  |
| Stream teams established or supported                                   | (# or y/n)    |  |
| Shoreline clean-up participation or quantity of shoreline miles cleaned | (y/n or mi.)  |  |
| Household Hazardous Waste Collection Days                               |               |  |
| ▪ days sponsored                                                        | (#)           |  |
| ▪ community participation                                               | (%)           |  |
| ▪ material collected                                                    | (tons or gal) |  |
| School curricula implemented                                            | (y/n)         |  |
|                                                                         |               |  |
|                                                                         |               |  |

## Legal/Regulatory

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

## Mapping and Illicit Discharges

|                                        |                    |  |
|----------------------------------------|--------------------|--|
| Outfall mapping complete               | (%)                |  |
| Estimated or actual number of outfalls | (#)                |  |
| System-Wide mapping complete           | (%)                |  |
| Mapping method(s)                      |                    |  |
| ▪ Paper/Mylar                          | (%)                |  |
| ▪ CADD                                 | (%)                |  |
| ▪ GIS                                  | (%)                |  |
| Outfalls inspected/screened            | (# or %)           |  |
| Illicit discharges identified          | (#)                |  |
| Illicit connections removed            | (# )<br>(est. gpd) |  |
| % of population on sewer               | (%)                |  |
| % of population on septic systems      | (%)                |  |
|                                        |                    |  |
|                                        |                    |  |

|                                                                                      |                |  |
|--------------------------------------------------------------------------------------|----------------|--|
| Average frequency of street sweeping (commercial/arterial or other critical streets) | (times/yr)     |  |
| Qty. of sand/debris collected by sweeping                                            | (lbs. or tons) |  |
| Disposal of sweepings (landfill, POTW, compost, beneficial use, etc.)                | (location)     |  |
| Cost of sweepings disposal                                                           | (\$)           |  |
| Vacuum street sweepers purchased/leased                                              | (#)            |  |
| Vacuum street sweepers specified in contracts                                        | (y/n)          |  |
|                                                                                      |                |  |
|                                                                                      |                |  |

|                                                                                        |             |  |
|----------------------------------------------------------------------------------------|-------------|--|
| Reduction in application on public land of: ("N/A" = never used; "100%" = elimination) |             |  |
| ▪ Fertilizers                                                                          | (lbs. or %) |  |
| ▪ Herbicides                                                                           | (lbs. or %) |  |
| ▪ Pesticides                                                                           | (lbs. or %) |  |
|                                                                                        |             |  |
|                                                                                        |             |  |

|                                                          |                                                                                           |  |
|----------------------------------------------------------|-------------------------------------------------------------------------------------------|--|
| Anti-/De-Icing products and ratios                       | % NaCl<br>% CaCl <sub>2</sub><br>% MgCl <sub>2</sub><br>% CMA<br>% Kac<br>% KCl<br>% Sand |  |
| Pre-wetting techniques utilized                          | (y/n)                                                                                     |  |
| Manual control spreaders used                            | (y/n)                                                                                     |  |
| Automatic or Zero-velocity spreaders used                | (y/n)                                                                                     |  |
| Estimated net reduction in typical year salt application | (lbs. or %)                                                                               |  |
| Salt pile(s) covered in storage shed(s)                  | (y/n)                                                                                     |  |
| Storage shed(s) in design or under construction          | (y/n)                                                                                     |  |
|                                                          |                                                                                           |  |
|                                                          |                                                                                           |  |