

**Municipality/Organization:** Massachusetts Department of Correction  
Boston PreRelease Center

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**EPA NPDES Permit Number:** MAR 042014

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**MassDEP Transmittal Number:** W-041198

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**Annual Report Number  
& Reporting Period:** April 1, 2008 – March 31, 2009

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## NPDES PII Small MS4 General Permit Annual Report

### Part I. General Information

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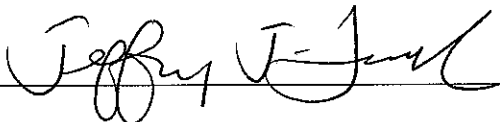
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#### Certification:

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:** Jeffrey J. Quick, A.I.A.

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**Title:** Director, Division of Resource Management

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**Date:**

4/30/2009

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## Part II. Self-Assessment

The Department of Correction (DOC) received correspondence from the Environmental Protection Agency (EPA) on May 28, 2004 determining the Notice of Intent (NOI) submission was administratively complete. From the time the NOI's were prepared and before they were submitted the DOC began a prioritization list of areas for investigation including but not limited to:

- Entry Points into the storm drainage system(s) maintained by the DOC.
- Documentation of discharges points on and off the DOC property.
- There are no connections to City of Boston drains
- Illicit connections identification (None were found).
- Investigation of infrastructure and identification of problem drainage areas.

For this location no repairs are necessary as the facility is new as of 2002. Cleaning of parking lot and street curbs completed as well as picking up trash by inmates.

The DOC has held numerous training sessions with the DOC executive board, the Directors of Engineering and Environmental Health and Safety Staff. At this point training is considered ongoing. Training included an introduction to new staff and the operation of the facility as it relates to the Phase II program, the importance of the program and goals that were set for the first 5 years of the permit program.

Many of the four year milestones and goals have been met - others are still in progress. Progress is affected by funding. This is a new facility and as such only maintenance is necessary.

**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 6 (Reliance on non-municipal partners indicated, if any)  | Planned Activities – Permit Year 7                                       |
|-------------------------|--|-------------------------------|----------------------------------|---|--|
| 1<br>Revised<br>No      | Publicize/Present SW Program to staff      | Div. of Res. Management       | Publicize and Present Program to | Conduct facility specific training with maintenance staff and other stakeholders in this program.   | Continue with additional formal training as funding has been identified. |
| 2<br>Revised<br>No      | Distribute Printed Materials               | Div. of Res. Management       | Create and Post Material         | Provide written updates and progress reports to management staff. Monthly and   | Provide written updates and progress reports to management staff         |
| 3<br>Revised<br>Yes/New | Intranet Posting Preparation of Newsletter | Div. of Res. Management       | Post Materials                   | Completed separate Intranet page. In addition, a newsletter that highlighted the Stormwater Phase II program was completed and distributed. | Intranet page within the DOC was completed. Periodic updates are needed. |
| 4<br>Revised<br>No      | Stenciling                                 | Div. of Res. Management       | Complete stenciling              | Limited stenciling due to security concerns.  | Repaint of stenciling needed   |
| Revised                 |  |                               |                                  |   |  |
| Revised                 |  |                               |                                  |   |  |

**1a. Additions**

|  |  |  |  |  |  |
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**2. Public Involvement and Participation**

| BMP ID #           | BMP Description           | Responsible Dept./Person Name | Measurable Goal(s)                | Progress on Goal(s) – Permit Year 6<br>(Reliance on non-municipal partners indicated, if any)   | Planned Activities – Permit Year 7                   |
|--------------------|---------------------------|-------------------------------|-----------------------------------|---|--|
| 5<br>Revised<br>No | Form Stormwater Committee | Div. of Res. Management       | Form Committee                    | Formed Stormwater Committee that is part of the DOC's State Sustainability Council.   | Goal for committee to meet three times per year.     |
| 6<br>Revised<br>No | Staff input               | Div. of Res. Management       | Solicit Input and Implement Ideas | Input received where investigation is needed or repairs are necessary. Corrective action based available funds. New facility only minor maintenance required. | Developing detailed plans for long term maintenance. |
| Revised            |                           |                               |                                   |   |  |
| Revised            |                           |                               |                                   |   |  |
| Revised            |                           |                               |                                   |   |  |
| Revised            |                           |                               |                                   |   |  |

**2a. Additions**

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**3. Illicit Discharge Detection and Elimination**

| BMP ID #      | BMP Description         | Responsible Dept./Person Name | Measurable Goal(s)        | Progress on Goal(s) – Permit Year 6<br>(Reliance on non-municipal partners indicated, if any)                                    | Planned Activities – Permit Year 7                 |
|---------------|-------------------------|-------------------------------|---------------------------|--|--|
| 7<br>Revised  | Map Drain System        | Div. of Res. Management       | Complete Mapping          | Mapping completed.   | Annual inspections completed and update as needed. |
| 8<br>Revised  | Dry/Wet Weather Surveys | Div. of Res. Management       | Document and Prioritize   | Wet weather survey did not identify piping problem. Storm drains do not require repairs.   | New facility no repairs anticipated                |
| 9<br>Revised  | Correct Problems        | Div. of Res. Management       | Make Repairs and Document | No areas identified area that need repair.   | New staff at facility to be trained/briefed.       |
| 10<br>Revised | Policy for Enforcement  | Div. of Res. Management       | Prepare Policy            | Stormwater Committee to be charged with preparation of policy. Policy in place that ties in sustainable practices with this BMP. | Update policy as needed. Review for improvements.  |
| Revised       |                         |                               |                           |  |  |
| Revised       |                         |                               |                           |  |  |

**3a. Additions**

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**4. Construction Site Stormwater Runoff Control**

| BMP ID #      | BMP Description         | Responsible Dept./Person Name | Measurable Goal(s) | Progress on Goal(s) – Permit Year 6 (Reliance on non-municipal partners indicated, if any) | Planned Activities – Permit Year 7 |
|---------------|-------------------------|-------------------------------|--------------------|--|------------------------------------|
| 11<br>Revised | Construction Management | Div. of Res. Management       | As Necessary       | No Activity  | None Planned                       |
| Revised       |                         |                               |                    |  |                                    |
| Revised       |                         |                               |                    |  |                                    |
| Revised       |                         |                               |                    |  |                                    |
| Revised       |                         |                               |                    |  |                                    |
| Revised       |                         |                               |                    |  |                                    |
| Revised       |                         |                               |                    |  |                                    |

**4a. Additions**

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**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 6 (Reliance on non-municipal partners indicated, if any) | Planned Activities – Permit Year 7 |
|---------------|------------------------------|-------------------------------|--------------------|--|------------------------------------|
| 12<br>Revised | Post Construction Activities | Div. of Res. Management       | As Required        | No Activity  | None Planned                       |
| Revised       |                              |                               |                    |  |                                    |
| Revised       |                              |                               |                    |  |                                    |
| Revised       |                              |                               |                    |  |                                    |
| Revised       |                              |                               |                    |  |                                    |
| Revised       |                              |                               |                    |  |                                    |
| Revised       |                              |                               |                    |  |                                    |

**5a. Additions**

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**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 6 (Reliance on non-municipal partners indicated, if any)                     | Planned Activities – Permit Year 7   |
|---------------|--------------------|-------------------------------|--------------------|--|--|
| 13<br>Revised | Develop O&M Plan   | Div. of Res. Management       |                    | Worked on plan that has catch basins cleaned every 12 to 18 months. Swept parking lot and curb areas.          | Continue with street sweeping and trash pick up. Periodic evaluation of program. |
| 14<br>Revised | Execute O&M Plan   | Div. of Res. Management       |                    | Limited funding did not allow all work to be completed, although some major maintenance and improvements made. | Review and execute O&M Plan  |
| 15<br>Revised | Long Term Planning | Div. of Res. Management       |                    | Evaluated what is needed to implement O&M plan.  | Modify as necessary  |
| Revised       |                    |                               |                    |  |  |
| Revised       |                    |                               |                    |  |  |
| Revised       |                    |                               |                    |  |  |

**6a. Additions**

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

| BMP ID # | BMP Description | Responsible Dept./Person Name | Measurable Goal(s) | Progress on Goal(s) – Permit Year 6 (Reliance on non-municipal partners indicated, if any) | Planned Activities – Permit Year 7 |
|----------|-----------------|-------------------------------|--------------------|--|------------------------------------|
| Revised  | NA              |                               |                    | Not Applicable   | Not Applicable                     |
| Revised  |                 |                               |                    |  |                                    |
| Revised  |                 |                               |                    |  |                                    |
| Revised  |                 |                               |                    |  |                                    |
| Revised  |                 |                               |                    |  |                                    |
| Revised  |                 |                               |                    |  |                                    |
| Revised  |                 |                               |                    |  |                                    |

**7a. Additions**

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**7b. WLA Assessment**

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

The Boston Pre-Release Center is a new facility so the location of the drain lines and outfall are well documented. The primary drainage system discharges into a detention basin on the property maintained by the DOC. The coming year will continue with catch basin cleaning and other drain inspections/maintenance. New staff has transferred into facility so some training is due this coming year on drainage system maintenance.

The DOC currently has a recycling program that collects and segregates our wastes for recycling and waste diversion.

Currently inmate labor is used to pick up litter and other road side debris several times per year.

No illicit connections were found.

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

**Programmatic**

|  |       |              |
|--|-------|--------------|
| Stormwater management position created/staffed | YES   | Staff by DRM |
| Annual program budget/expenditures             | (\$0) |              |
|  |       |              |
|  |       |              |

**Education, Involvement, and Training**

|   |         |           |
|---|---------|-----------|
| Estimated number of residents reached by education program(s)           | 80%     | DOC Staff |
| Stormwater management committee established                             | Yes     |           |
| Stream teams established or supported                                   | No      |           |
| Shoreline clean-up participation or quantity of shoreline miles cleaned | NA      |           |
| Household Hazardous Waste Collection Days                               | NA      |           |
| ▪ days sponsored  | NA      |           |
| ▪ community participation   | NA      |           |
| ▪ material collected  | NA      |           |
| School curricula implemented  | NA      |           |
| Recycling   | 20 tons |           |

**Legal/Regulatory**

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

**Mapping and Illicit Discharges**

|  |           |  |
|--|-----------|--|
| Outfall mapping complete               | 100%      |  |
| Estimated or actual number of outfalls | (One (1)) |  |
| System-Wide mapping complete           | (100%)    |  |
| Mapping method(s)                      |           |  |
| ▪ Paper/Mylar                          | 100 %     |  |
| ▪ CADD                                 | 0%        |  |
| ▪ GIS                                  | 0 %       |  |
| Outfalls inspected/screened            | 1000 %    |  |
| Illicit discharges identified          | Zero (0)  |  |
| Illicit connections removed            | NA        |  |
| % of population on sewer               | (100 %)   |  |
| % of population on septic systems      | (0%)      |  |

**Construction**

|   |      |
|---|------|
| Number of construction starts (>1-acre)   | None |
| Estimated percentage of construction starts adequately regulated for erosion and sediment control | NA   |
| Site inspections completed  | NA   |
| Tickets/Stop work orders issued   | NA   |
| Fines collected   | NA   |
| Complaints/concerns received from public  | None |
|   |      |
|   |      |

**Post-Development Stormwater Management**

|  |         |
|--|---------|
| Estimated percentage of development/redevelopment projects adequately regulated for post-construction stormwater control | NA - 0% |
| Site inspections completed   | NA      |
| Estimated volume of stormwater recharged   | NA      |
|  |         |
|  |         |

**Operations and Maintenance**

|  |               |                 |
|--|---------------|-----------------|
| Average frequency of catch basin cleaning (non-commercial/non-arterial streets)                | 1 time / year | In permit yr. 5 |
| Average frequency of catch basin cleaning (commercial/arterial or other critical streets)      | NA            | Not needed      |
| Total number of structures cleaned   | 0             | 0               |
| Storm drain cleaned  | 2             | 3-5             |
| Qty. of screenings/debris removed from storm sewer infrastructure                              | 200 lbs       | TBD             |
| Disposal or use of sweepings (landfill, POTW, compost, recycle for sand, beneficial use, etc.) | Ben. Use      | TBD             |
| Cost of screenings disposal  | (\$)          |                 |
|  |               |                 |
|  |               |                 |

|  |                     |      |
|--|---------------------|------|
| Average frequency of street sweeping (non-commercial/non-arterial streets)           | 1/yr                | 1/yr |
| Average frequency of street sweeping (commercial/arterial or other critical streets) | 0/yr contract       |      |
| Qty. of sand/debris collected by sweeping  | (lbs. or tons)      |      |
| Disposal of sweepings (landfill, POTW, compost, beneficial use, etc.)                | Ben. Use            |      |
| Cost of sweepings disposal   | (\$)                |      |
| Vacuum street sweepers purchased/leased  | Contracted Services |      |
| Vacuum street sweepers specified in contracts  | NO                  |      |
|  |                     |      |

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

|  |  |
|--|--|
| Anti-/De-Icing products and ratios                       | 10% NaCl<br>0% CaCl <sub>2</sub><br>0% MgCl <sub>2</sub><br>0% CMA<br>0% Kac<br>0% KCl<br>90% Sand |
| Pre-wetting techniques utilized                          | -  |
| Manual control spreaders used                            | -  |
| Automatic or Zero-velocity spreaders used                | -  |
| Estimated net reduction in typical year salt application | TBD  |
| Salt pile(s) covered in storage shed(s)                  | No   |
| Storage shed(s) in design or under construction          | NA   |
|  | No storage   |
|  |  |

