**Municipality/Organization:** **Massachusetts Department of Correction MCI- Framingham**

**EPA NPDES Permit Number:** **MAR 042012**

**MADEP Transmittal Number:** **W- 04206**

**Annual Report Number & Reporting Period:** April 1, 2007 – March 31, 2008

P 5/15/08

# NPDES PII Small MS4 General Permit Annual Report

## Part I. General Information

**Contact Person: Jeffrey J. Quick, A.I.A. Title: Director, Division of Resource Management**

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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: Jeffrey J. Quick

Printed Name: Jeffrey J Quick, A.I.A.

Title: Director, Division of Resource Management

Date: 5/09/2008

## 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.**
- **Coordination with Towns that are also MS4s**
- **Illicit connections identification (None were found).**
- **Investigation of infrastructure and identification of problem drainage areas.**

**Through the State of Massachusetts Clean State Program, an oil-water separator was installed to handle parking lot drainage. In summary, the storm drainage systems operated by the DOC are not combined systems where sewer and storm water are served by the same system.**

**In the past year no problems that required attention were identified. The facility has undertaken a regular inspection program to repair older catch basin structures.**

**During this permit reporting period a closure report that documented the clean up on an oil spill that occurred in the previous permit year ( February 2007) was submitted. Notification and remediation were completed in accordance with the Massachusetts Contingency Plan 310 CMR 40.000.**

**The DOC began construction of a "reunification house" during 2007 permit period. This construction was less than 1,500 square feet.**

**Many of the milestones and goals have been met – however, due to funding issues, others are still in progress.**

## 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 (Reliance on non-municipal partners indicated, if any) | Planned Activities – Permit Year 5 |
|---|---|---|---|---|---|
| 1 | 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 training as funding is identified. |
| Revised No | | | | | |
| 2 | Distribute Printed Materials | Div. of Res. Management | Create and Post Material | Provide written updates and progress reports to management staff. | Provide written updates and progress reports to management staff |
| Revised No | | | | | |
| 3 | Intranet Posting | 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. | Periodic updates as needed. |
| Revised Yes/New | Preparation of Newsletter | | | | |
| 4 | Stenciling | Div. of Res. Management | Complete stenciling | No Stenciling completed this year due to operations and other security issues | Upkeep of existing stenciling and continue with remainder. |
| Revised No | | | | | |
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| Revised | | | | | |
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| 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 4 (Reliance on non-municipal partners indicated, if any) | Planned Activities – Permit Year 5 |
|---|---|---|---|---|---|
| 5 | Form Stormwater Committee | Div. of Res. Management | Form Committee | Formed Stormwater Committee that is part of the DOC's State Sustainability Council | Committee to meet every two to three months |
| Revised No | | | | | |
| 6 | Staff input | Div. of Res. Management | Solicit Input and Implement Ideas | Input has been received. Mostly where investigation is needed or cleaning and maintenance are necessary. | Continue with staff education |
| Revised No | | | | | |
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| Revised | | | | | |
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| 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 4 (Reliance on non-municipal partners indicated, if any) | Planned Activities – Permit Year 5 |
|---|---|---|---|---|---|
| 7 | Map Drain System | Div. of Res. Management | Complete Mapping | Mapping completed. Outfall locations sent to EPA during NOI submittal. Began work mapping outfalls with GIS software. | Continue with mapping of outfalls with GIS software. Integrate outfalls with large comprehensive mapping . |
| Revised | | | | | |
| 8 | Dry/Wet Weather Surveys | Div. of Res. Management | Document and Prioritize | Wet weather survey did not identify piping problem. Storm drains require minor repairs. Funding limited ability to make all repairs. | Prioritize those catch basins that require repairs. |
| Revised | | | | | |
| 9 | Correct Problems | Div. of Res. Management | Make Repairs and Document | Minor repairs to catch basins | Pending budget catch basin and piping repairs as needed |
| Revised | | | | | |
| 10 | 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 | | | | | |
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| Revised | | | | | |
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| 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 5 (Reliance on non-municipal partners indicated, if any) | Planned Activities – Permit Year 6 |
|---|---|---|---|---|---|
| 11 | Construction Management | Div. of Res. Management | As Necessary | Constructed 1,500 square foot building. Less than 1 acre disturbed. | **None Planned** |
| Revised | | | | | |
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## 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 5 (Reliance on non-municipal partners indicated, if any) | Planned Activities – Permit Year 6 |
|---|---|---|---|---|---|
| 12 | Post Construction Activities | Div. of Res. Management | As Required | **No Activity** | **None Planned** |
| Revised | | | | | |
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## 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 5 (Reliance on non-municipal partners indicated, if any) | Planned Activities – Permit Year 6 |
|---|---|---|---|---|---|
| 13 | Develop O&M Plan | Div. of Res. Management | | Catch Basins routinely inspected. Some catch basins cleaned. | Continue with evaluation of program |
| Revised | | | | | |
| 14 | 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 |
| Revised | | | | | |
| 15 | Long Term Planning | Div. of Res. Management | | Evaluated what is needed to implement O&M plan. | Modify as necessary |
| Revised | | | | | |
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| 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 5 (Reliance on non-municipal partners indicated, if any) | Planned Activities – Permit Year 6 |
|---|---|---|---|---|---|
| | NA | | | | |
| Revised | | | | | |
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## 7a. Additions

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## 7b. WLA Assessment

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| Disposal or use of sweepings (landfill, POTW, compost, recycle for sand, beneficial use, etc.) | Yes | 5 cy |
| Cost of screenings disposal | ($) TBD | |
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| Average frequency of street sweeping (non-commercial/non-arterial streets) | NA | |
| Average frequency of street sweeping (commercial/arterial or other critical streets) | 0/yr contract | |
| Qty. of sand/debris collected by sweeping | (lbs. or tons) | |
| Disposal of sweepings (landfill, POTW, compost, beneficial use, etc.) | (location) | |
| Cost of sweepings disposal | ($) | |
| Vacuum street sweepers purchased/leased | Contracted Services | |
| Vacuum street sweepers specified in contracts | NO | |
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| Reduction in application on public land of: ("N/A" = never used; "100%" = elimination) | | |
| ▪ Fertilizers | NA | |
| ▪ Herbicides | NA | |
| ▪ Pesticides | NA | |
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| Anti-/De-Icing products and ratios | 10% NaCl<br>0% $CaCl_2$<br>0% $MgCl_2$<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 | - | |

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|---|---|---|
| Estimated net reduction in typical year salt application | TBD | |
| Salt pile(s) covered in storage shed(s) | No | No storage |
| Storage shed(s) in design or under construction | NA | |