

Municipality/Organization: Massachusetts Department of Correction
MCI-Shirley Complex

EPA NPDES Permit Number: MAR042006

MADEP Transmittal Number: W-041201

Annual Report Number & Reporting Period: April 1, 2009 – March 31, 2010

NPDES PII Small MS4 General Permit Annual Report

Part I. General Information

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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.

Title: Director, Division of Resource Management

Date:

6/11/2010

6/18/10

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

The storm drainage system at this location maintained by the DOC are not a combined system - storm water discharge is separate from sewer.

The DOC has held training sessions with the DOC executive board, the Directors of Engineering and Environmental Health and Safety Staff. Training will continue through the summer and in the later part of the current fiscal year and next fiscal year as funding becomes available. Training included an introduction of the program, the importance of the program and goals that were set for the first 5 years of the permit program. Ongoing and informal training has continued more on a case by case basis.

Many of the permit milestones and goals have been met - others are still in progress due to financial issues. Facility now has a formal trash collection and street sweeping 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 6 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 7
1 Revised 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 Revised No	Distribute Printed Materials	Div. of Res. Management	Create and Post Material	Provide written updates and progress reports to management staff. Quarterly newsletter distributed.	Provide written updates and progress reports to management staff
3 Revised Yes	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.	Intranet page within the DOC was completed. Periodic updates.
4 Revised No	Stenciling	Div. of Res. Management	Complete stenciling	Stenciling was not completed due to security concerns	Selective Stenciling is in order but need to establish procedure department wide.
Revised					
Revised					

1a. Additions

2. Public Involvement and Participation

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
5 Revised No	Form Stormwater Committee	Div. of Res. Management	Form Committee	Formed Stormwater Committee that is part of the DOC's State Sustainability Council	Committee needs to meet twice per year.
6 Revised No	Staff input	Div. of Res. Management	Solicit Input and Implement Ideas	Input has been received. Investigation and some locations prioritized. Few repairs are necessary.	Continue with staff education
Revised					
Revised					
Revised					
Revised					
Revised					

2a. Additions

3. Illicit Discharge Detection and Elimination

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
7 Revised No	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.
8 Revised No	Dry/Wet Weather Surveys	Div. of Res. Management	Document and Prioritize	Relining of sewer had occurred in 2000 for Shirley. Wet weather survey did not identify piping problem.	System wide inspection to be completed.
9 Revised No	Correct Problems	Div. of Res. Management	Make Repairs and Document	No areas identified area that need immediate repair.	Pending budget catch basin and piping repairs as needed.
10 Revised No	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

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 Revised	Construction Management	Div. of Res. Management	As Necessary	No Activity	None Planned
Revised					
Revised					
Revised					
Revised					
Revised					
Revised					

4a. Additions

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 Revised	Post Construction Activities	Div. of Res. Management	Annual Inspection	No Activity	None Planned
Revised					
Revised					
Revised					
Revised					
Revised					
Revised					

5a. Additions

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 Revised No	Develop O&M Plan	Div. of Res. Management	O&M Plan to be developed	Worked on plan that has catch basins cleaned every 12 to 18 months.	Continue with evaluation of program
14 Revised No	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 Revised No	Long Term Planning	Div. of Res. Management	Reevaluate O&M Plan	Evaluated what is needed to implement O&M plan.	Modify as necessary
Revised					
Revised					
Revised					

6a. Additions

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
	NA				
Revised					
Revised					
Revised					
Revised					
Revised					
Revised					
Revised					

7a. Additions

7b. WLA Assessment

Part IV. Summary of Information Collected and Analyzed

At the Shirley Complex, the location of the drain lines and outfall have been identified. The DOC has a very good understanding on the drainage system and has taken the necessary steps to prevent pollution from entering the drain system. The complex does have program utilizing inmate labor to clean up trash and road sand. The upcoming year will require an inspection of the drainage system and evaluate efforts for street sweeping, catch basin cleaning, repairs and other drain maintenance.

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	(\$)	

Education, Involvement, and Training

Estimated number of residents reached by education program(s)	20%	
Stormwater management committee established	Yes	
Stream teams established or supported	(# or y/n)	
Shoreline clean-up participation or quantity of shoreline miles cleaned	NA	
Household Hazardous Waste Collection Days	NA	
▪ days sponsored	(#)	
▪ community participation	(%)	
▪ material collected	(tons or gal)	
School curricula implemented	NA	

Legal/Regulatory

Regulatory Mechanism Status (indicate with "X")		In Place Prior to Phase II	Under Review	Drafted	Adopted
▪ Illicit Discharge Detection & Elimination					
▪ Erosion & Sediment Control	X				
▪ Post-Development Stormwater Management			X		
Accompanying Regulation Status (indicate with "X")					
▪ Illicit Discharge Detection & Elimination			X		
▪ Erosion & Sediment Control			X	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		10 %	Data being input into GIS
Outfalls inspected/screened		100 %	
Illicit discharges identified		Zero (0)	
Illicit connections removed		NA	
% of population on sewer		(100 %)	
% of population on septic systems		(0%)	