

Municipality/Organization:

EPA NPDES Permit Number:

MassDEP Transmittal Number: W-

Annual Report Number **Year 6**
& Reporting Period: **April 1, 2008 – March 31, 2009**

**NPDES PII Small MS4 General Permit
Annual Report
(Due: May 1, 2009)**

Part I. General Information

Contact Person:

Title:

Telephone #:

Email:

Mailing Address:

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:

Title:

Date:

Part II. Self-Assessment

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 |
|-----------------|------------------------|--------------------------------------|---------------------------|--|---|
| Revised | | | | | |
| Revised | | | | | |
| Revised | | | | | |
| Revised | | | | | |
| 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 4 (Reliance on non-municipal partners indicated, if any) | Planned Activities – Permit Year 5 |
|----------|-----------------|-------------------------------|--------------------|---|------------------------------------|
| Revised | | | | | |
| Revised | | | | | |
| 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 4 (Reliance on non-municipal partners indicated, if any) | Planned Activities – Permit Year 5 |
|----------|-----------------|-------------------------------|--------------------|---|------------------------------------|
| Revised | | | | | |
| Revised | | | | | |
| Revised | | | | | |
| Revised | | | | | |
| 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 4 (Reliance on non-municipal partners indicated, if any) | Planned Activities – Permit Year 5 |
|-----------------|------------------------|--------------------------------------|---------------------------|--|---|
| Revised | | | | | |
| Revised | | | | | |
| Revised | | | | | |
| Revised | | | | | |
| Revised | | | | | |
| Revised | | | | | |

4a. Additions

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|--|--|--|--|--|--|
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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 4 (Reliance on non-municipal partners indicated, if any) | Planned Activities – Permit Year 5 |
|-----------------|------------------------|--------------------------------------|---------------------------|--|---|
| 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 4 (Reliance on non-municipal partners indicated, if any) | Planned Activities – Permit Year 5 |
|-----------------|------------------------|--------------------------------------|---------------------------|--|---|
| Revised | | | | | |
| Revised | | | | | |
| Revised | | | | | |
| 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 4 (Reliance on non-municipal partners indicated, if any) | Planned Activities – Permit Year 5 |
|-----------------|------------------------|--------------------------------------|---------------------------|--|---|
| Revised | | | | | |
| Revised | | | | | |
| Revised | | | | | |
| Revised | | | | | |
| Revised | | | | | |
| Revised | | | | | |

7a. Additions

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|--|--|--|--|--|--|
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7b. WLA Assessment

Part IV. Summary of Information Collected and Analyzed

Part V. Program Outputs & Accomplishments (OPTIONAL)

(Since beginning of permit coverage unless specified otherwise by a **, which indicates response is for period covering April 1, 2006 through March 31, 2007)

Programmatic

| | (Preferred Units) | Response |
|---|-------------------|----------|
| Stormwater management position created/staffed | (y/n) | |
| Annual program budget/expenditures ** | (\$) | |
| Total program expenditures since beginning of permit coverage | (\$) | |
| Funding mechanism(s) (General Fund, Enterprise, Utility, etc) | | |
| | | |

Education, Involvement, and Training

| | | |
|--|---------------|--|
| Estimated number of property owners 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.) | |
| Shoreline cleaned since beginning of permit coverage | (mi.) | |
| Household Hazardous Waste Collection Days | | |
| ▪ days sponsored ** | (#) | |
| ▪ community participation ** | (# or %) | |
| ▪ material collected ** | (tons or gal) | |
| School curricula implemented | (y/n) | |
| | | |

Legal/Regulatory

| | In Place Prior to Phase II | Reviewing Existing Authorities | Drafted | Draft in Review | 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

| | (Preferred Units) | Response |
|--|------------------------|----------|
| Outfall mapping complete | (%) | |
| Estimated or actual number of outfalls | (#) | |
| System-Wide mapping complete (complete storm sewer infrastructure) | (%) | |
| Mapping method(s) | | |
| ▪ Paper/Mylar | (%) | |
| ▪ CADD | (%) | |
| ▪ GIS | (%) | |
| Outfalls inspected/screened ** | (# or %) | |
| Outfalls inspected/screened (Since beginning of permit coverage) | (# or %) | |
| Illicit discharges identified ** | (#) | |
| Illicit discharges identified (Since beginning of permit coverage) | (#) | |
| Illicit connections removed ** | (#); and (est. gpd) | |
| Illicit connections removed (Since beginning of permit coverage) | (#); and (est. gpd) | |
| % of population on sewer | (%) | |
| % of population on septic systems | (%) | |

Construction

| | (Preferred Units) | Response |
|--|-------------------|----------|
| Number of construction starts (>1-acre) ** | (#) | |
| Estimated percentage of construction starts adequately regulated for erosion and sediment control ** | (%) | |
| Site inspections completed ** | (# or %) | |
| Tickets/Stop work orders issued ** | (# or %) | |
| Fines collected ** | (# and \$) | |
| Complaints/concerns received from public ** | (#) | |
| | | |
| | | |

Post-Development Stormwater Management

| | | |
|--|----------|--|
| Estimated percentage of development/redevelopment projects adequately regulated for post-construction stormwater control | (%) | |
| Site inspections (for proper BMP installation & operation) completed ** | (# or %) | |
| BMP maintenance required through covenants, escrow, deed restrictions, etc. | (y/n) | |
| Low-impact development (LID) practices permitted and encouraged | (y/n) | |
| | | |
| | | |

Operations and Maintenance

| | | |
|--|----------------|--|
| Average frequency of catch basin cleaning (non-commercial/non-arterial streets) ** | (times/yr) | |
| Average frequency of catch basin cleaning (commercial/arterial or other critical streets) ** | (times/yr) | |
| Qty of structures cleaned ** | (#) | |
| Qty. of storm drain cleaned ** | (%, LF or mi.) | |
| Qty. of screenings/debris removed from storm sewer infrastructure ** | (lbs. or tons) | |
| Disposal or use of screenings (landfill, POTW, compost, beneficial use, etc.) ** | (location) | |

| | | |
|--|-------------------------|--|
| Basin Cleaning Costs | | |
| • <input type="checkbox"/> Annual budget/expenditure (labor & equipment)** | (\$) | |
| • <input type="checkbox"/> Hourly or per basin contract rate ** | (\$/hr or \$ per basin) | |
| • <input type="checkbox"/> Disposal cost** | (\$) | |
| Cleaning Equipment | | |
| • <input type="checkbox"/> Clam shell truck(s) owned/leased | (#) | |
| • <input type="checkbox"/> Vacuum truck(s) owned/leased | (#) | |
| • <input type="checkbox"/> Vacuum trucks specified in contracts | (y/n) | |
| • <input type="checkbox"/> % Structures cleaned with clam shells ** | (%) | |
| • <input type="checkbox"/> % Structures cleaned with vector ** | (%) | |

| | (Preferred Units) | Response |
|---|--------------------|----------|
| Average frequency of street sweeping (non-commercial/non-arterial streets) ** | (times/yr) | |
| 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) | |
| Annual Sweeping Costs | | |
| • <input type="checkbox"/> Annual budget/expenditure (labor & equipment)** | (\$) | |
| • <input type="checkbox"/> Hourly or lane mile contract rate ** | (\$/hr. or ln mi.) | |
| • <input type="checkbox"/> Disposal cost** | (\$) | |
| Sweeping Equipment | | |
| • <input type="checkbox"/> Rotary brush street sweepers owned/leased | (#) | |
| • <input type="checkbox"/> Vacuum street sweepers owned/leased | (#) | |
| • <input type="checkbox"/> Vacuum street sweepers specified in contracts | (y/n) | |
| • <input type="checkbox"/> % Roads swept with rotary brush sweepers ** | % | |
| • <input type="checkbox"/> % Roads swept with vacuum sweepers ** | % | |

Reduction (since beginning of permit coverage) in application on public land of:
 (“N/A” = never used; “100%” = elimination)

| | | |
|--|-------------|--|
| ▪ Fertilizers | (lbs. or %) | |
| ▪ Herbicides | (lbs. or %) | |
| ▪ Pesticides | (lbs. or %) | |
| Integrated Pest Management (IPM) Practices Implemented | (y/n) | |
| | | |

| | (Preferred Units) | Response |
|--|---|----------|
| Average Ratio of Anti-/De-Icing products used ** (also identify chemicals and ratios used in specific areas, e.g., water supply protection areas) | % NaCl % CaCl ₂ % MgCl ₂ % CMA % Kac % KCl % Sand | |
| Pre-wetting techniques utilized ** | (y/n or %) | |
| Manual control spreaders used ** | (y/n or %) | |
| Zero-velocity spreaders used ** | (y/n or %) | |
| Estimated net reduction or increase in typical year salt/chemical application rate | (±lbs/ln mi. or %) | |
| Estimated net reduction or increase in typical year sand application rate ** | (±lbs/ln mi. or %) | |
| % of salt/chemical pile(s) covered in storage shed(s) | (%) | |
| Storage shed(s) in design or under construction | (y/n or #) | |
| 100% of salt/chemical pile(s) covered in storage shed(s) by May 2008 | (y/n) | |
| | | |
| | | |

Water Supply Protection

| | | |
|--|----------|--|
| Storm water outfalls to public water supplies eliminated or relocated | # or y/n | |
| Installed or planned treatment BMPs for public drinking water supplies and their protection areas | # or y/n | |
| <ul style="list-style-type: none"> • <input type="checkbox"/> Treatment units induce infiltration within 500-feet of a wellhead protection area | # or y/n | |