Municipality/Organization: Massasoit Community College

EPA NPDES Permit Number: MAR042032

MassDEP Transmittal Number: W- 21004706

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

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

Part I. General Information

Contact Person: Rocco Richardi
Title: Director of Facilities

Telephone #: 508.588.9100 ext 1168
Email: rrichardi@massasoit.mass.edu

Mailing Address: Massasoit Community College, One Massasoit Blvd., Brockton, MA 02302

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: Rocco Richardi
Title: Director of Facilities

Date: May 1, 2009
Part II. Self-Assessment

Massasoit Community College has completed the required self-assessment and has determined that our Brockton Campus is in compliance with all the permit conditions.
### Part III. Summary of Minimum Control Measures

#### 1. Public Education and Outreach

<table>
<thead>
<tr>
<th>BMP ID #</th>
<th>BMP Description</th>
<th>Responsible Dept./Person Name</th>
<th>Measurable Goal(s)</th>
<th>Progress on Goal(s) – Permit Year 4 (Reliance on non-municipal partners indicated, if any)</th>
<th>Planned Activities – Permit Year 5</th>
</tr>
</thead>
<tbody>
<tr>
<td>1A</td>
<td>Article in College Newspaper</td>
<td>Facilities Dept. Rocco Richardi</td>
<td>Quarterly articles Every permit year</td>
<td>Completed as planned</td>
<td>Articles in College Newspaper; Quarterly articles per permit year.</td>
</tr>
<tr>
<td>1B</td>
<td>Active Facilities Web Page</td>
<td>Facilities Dept. Rocco Richardi</td>
<td>100% of Facilities Forms and Brockton Campus schedule of events available</td>
<td>Due to changes in College website, Facilities web pages no longer exist. Revised activity completed as planned.</td>
<td>100% of Facilities forms and Brockton Campus schedule of events available via Public Folders.</td>
</tr>
<tr>
<td>2</td>
<td>Television Awareness Ads (recycling)</td>
<td>Facilities Dept. Rocco Richardi</td>
<td>Ads run quarterly on Massasoit Community College Cable Channel</td>
<td>Completed as planned.</td>
<td>Quarterly ads on Massasoit Community College Cable Channel.</td>
</tr>
</tbody>
</table>

**1a. Additions**
### 2. Public Involvement and Participation

<table>
<thead>
<tr>
<th>BMP ID #</th>
<th>BMP Description</th>
<th>Responsible Dept./Person Name</th>
<th>Measurable Goal(s)</th>
<th>Progress on Goal(s) – Permit Year 4 (Reliance on non-municipal partners indicated, if any)</th>
<th>Planned Activities – Permit Year 5</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>Litter Control Program</td>
<td>Facilities Dept. Rocco Richardi</td>
<td>1040 personnel hours of litter pick up</td>
<td>Completed as planned</td>
<td>1040 personnel hours of litter pick up</td>
</tr>
<tr>
<td>4</td>
<td>Student Awareness Day</td>
<td>Facilities Dept. Rocco Richardi</td>
<td>Four events per permit year</td>
<td>Completed as planned</td>
<td>Student Awareness Days; four events per permit year.</td>
</tr>
<tr>
<td>5A</td>
<td>Recycling Program Single Stream recycling</td>
<td>Facilities Dept. Rocco Richardi</td>
<td>Pickups twice weekly to College owned recycle compactor</td>
<td>Completed as planned</td>
<td></td>
</tr>
<tr>
<td>5B</td>
<td>Baling machine and compactor for recycling</td>
<td>Facilities Dept. Rocco Richardi</td>
<td>Pickup as needed</td>
<td>Completed as planned</td>
<td>Pickup as needed.</td>
</tr>
</tbody>
</table>

#### 2a. Additions

<table>
<thead>
<tr>
<th></th>
<th>Facilities Dept. Rocco Richardi</th>
<th></th>
<th></th>
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</thead>
<tbody>
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</tr>
</tbody>
</table>

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5
3. Illicit Discharge Detection and Elimination

<table>
<thead>
<tr>
<th>BMP ID #</th>
<th>BMP Description</th>
<th>Responsible Dept./Person Name</th>
<th>Measurable Goal(s)</th>
<th>Progress on Goal(s) – Permit Year 4 (Reliance on non-municipal partners indicated, if any)</th>
<th>Planned Activities – Permit Year 5</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>Catchbasin Cleaning</td>
<td>Facilities Dept Rocco Richardi</td>
<td>Annual cleaning of catchbasins</td>
<td>IN PROCESS</td>
<td>Catchbasin cleaning; annually</td>
</tr>
<tr>
<td>Revised</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>Wastewater discharge Inspection</td>
<td>Facilities Dept Rocco Richardi</td>
<td>Inspection completed and permit issued</td>
<td>Inspection completed and permits issued</td>
<td>Wastewater discharge inspection</td>
</tr>
<tr>
<td>Revised</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

3a. Additions
4. Construction Site Stormwater Runoff Control

<table>
<thead>
<tr>
<th>BMP ID #</th>
<th>BMP Description</th>
<th>Responsible Dept./Person Name</th>
<th>Measurable Goal(s)</th>
<th>Progress on Goal(s) – Permit Year 4 (Reliance on non-municipal partners indicated, if any)</th>
<th>Planned Activities – Permit Year 5</th>
</tr>
</thead>
<tbody>
<tr>
<td>8a</td>
<td>Review all construction activities and site plans</td>
<td>Facilities Dept Rocco Richardi</td>
<td>Review 100% of construction projects</td>
<td>Completed to date.</td>
<td>Review all construction activities and site plans.</td>
</tr>
<tr>
<td>Revised</td>
<td>Inspect and enforce Erosion and sediment controls</td>
<td>Facilities Dept Rocco Richardi</td>
<td>Weekly inspection of construction projects</td>
<td>Completed to date.</td>
<td>Inspect and enforce erosion and sediment controls.</td>
</tr>
<tr>
<td>Revised</td>
<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Revised</td>
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<tr>
<td>Revised</td>
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<td>Revised</td>
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<tr>
<td>Revised</td>
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</tr>
</tbody>
</table>

4a. Additions

|                                                |                                                |                                                |                                                |                                                |                                                |
|                                                |                                                |                                                |                                                |                                                |                                                |
## 5. Post-Construction Stormwater Management in New Development and Redevelopment

<table>
<thead>
<tr>
<th>BMP ID #</th>
<th>BMP Description</th>
<th>Responsible Dept./Person Name</th>
<th>Measurable Goal(s)</th>
<th>Progress on Goal(s) – Permit Year 4 (Reliance on non-municipal partners indicated, if any)</th>
<th>Planned Activities – Permit Year 5</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>Review of completed construction activities</td>
<td>Facilities Dept Rocco Richardi</td>
<td>Annual Inspections</td>
<td>Completed to date</td>
<td>Review of completed construction activities.</td>
</tr>
</tbody>
</table>

### 5a. Additions

| | | | | | |
### 6. Pollution Prevention and Good Housekeeping in Municipal Operations

<table>
<thead>
<tr>
<th>BMP ID #</th>
<th>BMP Description</th>
<th>Responsible Dept./Person Name</th>
<th>Measurable Goal(s)</th>
<th>Progress on Goal(s) – Permit Year 4 (Reliance on non-municipal partners indicated, if any)</th>
<th>Planned Activities – Permit Year 5</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>Catchbasin Clean-out</td>
<td>Facilities Dept Rocco Richardi</td>
<td>Inspection and clean out once per permit year</td>
<td>completed</td>
<td>Catchbasin clean-out annual</td>
</tr>
<tr>
<td>Revised</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>Preparation of SPPP</td>
<td>Facilities Dept Rocco Richardi</td>
<td>Conduct semi-annual inspections</td>
<td>Completed as planned</td>
<td>Conduct semi-annual inspections</td>
</tr>
<tr>
<td>Revised</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Revised</td>
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<td>Revised</td>
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</tr>
<tr>
<td>Revised</td>
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<td></td>
</tr>
</tbody>
</table>

#### 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 4  
(Reliance on non-municipal partners indicated, if any) | Planned Activities – Permit Year 5 |
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Revised</td>
<td>Not Applicable – Beaver Brook does not have a TMDL.</td>
<td></td>
<td></td>
<td>Not Applicable – Beaver Brook does not have a TMDL.</td>
</tr>
<tr>
<td>Revised</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Revised</td>
<td></td>
<td></td>
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<tr>
<td>Revised</td>
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<td>Revised</td>
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<td></td>
</tr>
<tr>
<td>Revised</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### 7a. Additions

| | | | |
| | | | |

#### 7b. WLA Assessment
Part IV. Summary of Information Collected and Analyzed

NOT APPLICABLE.

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

<table>
<thead>
<tr>
<th>Response</th>
<th>(Preferred Units)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stormwater management position created/staffed</td>
<td>(y/n)</td>
</tr>
<tr>
<td>Annual program budget/expenditures **</td>
<td>($)</td>
</tr>
<tr>
<td>Total program expenditures since beginning of permit coverage</td>
<td>($)</td>
</tr>
<tr>
<td>Funding mechanism(s) (General Fund, Enterprise, Utility, etc)</td>
<td></td>
</tr>
</tbody>
</table>

Education, Involvement, and Training

<table>
<thead>
<tr>
<th>Response</th>
<th>(Preferred Units)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Estimated number of property owners reached by education program(s)</td>
<td>(# or %)</td>
</tr>
<tr>
<td>Stormwater management committee established</td>
<td>(y/n)</td>
</tr>
<tr>
<td>Stream teams established or supported</td>
<td>(# or y/n)</td>
</tr>
<tr>
<td>Shoreline clean-up participation or quantity of shoreline miles cleaned **</td>
<td>(y/n or mi.)</td>
</tr>
<tr>
<td>Shoreline cleaned since beginning of permit coverage</td>
<td>(mi.)</td>
</tr>
<tr>
<td>Household Hazardous Waste Collection Days</td>
<td></td>
</tr>
<tr>
<td>- days sponsored **</td>
<td>(#)</td>
</tr>
<tr>
<td>- community participation **</td>
<td>(# or %)</td>
</tr>
<tr>
<td>- material collected **</td>
<td>(tons or gal)</td>
</tr>
<tr>
<td>School curricula implemented</td>
<td>(y/n)</td>
</tr>
</tbody>
</table>
Legal/Regulatory

<table>
<thead>
<tr>
<th>Regulatory Mechanism Status (indicate with “X”)</th>
<th>In Place Prior to Phase II</th>
<th>Reviewing Existing Authorities</th>
<th>Drafted</th>
<th>Draft in Review</th>
<th>Adopted</th>
</tr>
</thead>
<tbody>
<tr>
<td>▪ Illicit Discharge Detection &amp; Elimination</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>▪ Erosion &amp; Sediment Control</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>▪ Post-Development Stormwater Management</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Accompanying Regulation Status (indicate with “X”)

| ▪ Illicit Discharge Detection & Elimination      |  |  |  |  |  |
| ▪ Erosion & Sediment Control                    |  |  |  |  |  |
| ▪ Post-Development Stormwater Management        |  |  |  |  |  |

Mapping and Illicit Discharges

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

<table>
<thead>
<tr>
<th>Metric</th>
<th>Preferred Units</th>
<th>Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of construction starts (&gt;1-acre) **</td>
<td>(#)</td>
<td></td>
</tr>
<tr>
<td>Estimated percentage of construction starts adequately regulated for erosion and sediment control **</td>
<td>(%)</td>
<td></td>
</tr>
<tr>
<td>Site inspections completed **</td>
<td>(# or %)</td>
<td></td>
</tr>
<tr>
<td>Tickets/Stop work orders issued **</td>
<td>(# or %)</td>
<td></td>
</tr>
<tr>
<td>Fines collected **</td>
<td>(# and $)</td>
<td></td>
</tr>
<tr>
<td>Complaints/concerns received from public **</td>
<td>(#)</td>
<td></td>
</tr>
</tbody>
</table>

### Post-Development Stormwater Management

<table>
<thead>
<tr>
<th>Metric</th>
<th>Preferred Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Estimated percentage of development/redevelopment projects adequately regulated for post-construction stormwater control</td>
<td>(%)</td>
</tr>
<tr>
<td>Site inspections (for proper BMP installation &amp; operation) completed **</td>
<td>(# or %)</td>
</tr>
<tr>
<td>BMP maintenance required through covenants, escrow, deed restrictions, etc.</td>
<td>(y/n)</td>
</tr>
<tr>
<td>Low-impact development (LID) practices permitted and encouraged</td>
<td>(y/n)</td>
</tr>
</tbody>
</table>

### Operations and Maintenance

<table>
<thead>
<tr>
<th>Metric</th>
<th>Preferred Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Average frequency of catch basin cleaning (non-commercial/non-arterial streets) **</td>
<td>(times/yr)</td>
</tr>
<tr>
<td>Average frequency of catch basin cleaning (commercial/arterial or other critical streets) **</td>
<td>(times/yr)</td>
</tr>
<tr>
<td>Qty of structures cleaned **</td>
<td>(#)</td>
</tr>
<tr>
<td>Qty. of storm drain cleaned **</td>
<td>(%, LF or mi.)</td>
</tr>
<tr>
<td>Qty. of screenings/debris removed from storm sewer infrastructure **</td>
<td>(lbs. or tons)</td>
</tr>
<tr>
<td>Disposal or use of screenings (landfill, POTW, compost, beneficial use, etc.) **</td>
<td>(location)</td>
</tr>
</tbody>
</table>
### Basin Cleaning Costs
- Annual budget/expenditure (labor & equipment) ** ($)
- Hourly or per basin contract rate ** ($/hr or $ per basin)
- Disposal cost ** ($)

### Cleaning Equipment
- Clam shell truck(s) owned/leased (#)
- Vacuum truck(s) owned/leased (#)
- Vacuum trucks specified in contracts (y/n)
- % Structures cleaned with clam shells ** (%)
- % Structures cleaned with vactor ** (%)

### 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
- Annual budget/expenditure (labor & equipment)** ($)
- Hourly or lane mile contract rate ** ($/hr. or ln mi.)
- Disposal cost ** ($)

### Sweeping Equipment
- Rotary brush street sweepers owned/leased (#)
- Vacuum street sweepers owned/leased (#)
- Vacuum street sweepers specified in contracts (y/n)
- % Roads swept with rotary brush sweepers ** %
- % Roads swept with vacuum sweepers ** %

Reduction (since beginning of permit coverage) in application on public land of:
- (“N/A” = never used; “100%” = elimination)
<table>
<thead>
<tr>
<th></th>
<th>(lbs. or %)</th>
<th>(Preferred Units)</th>
<th>Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fertilizers</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Herbicides</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pesticides</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Integrated Pest Management (IPM) Practices Implemented</td>
<td>(y/n)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Average Ratio of Anti-/De-Icing products used **</td>
<td></td>
<td>% NaCl</td>
<td>(Preferred Units)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>% CaCl₂</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>% MgCl₂</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>% CMA</td>
<td></td>
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<tr>
<td></td>
<td></td>
<td>% Kac</td>
<td></td>
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<tr>
<td></td>
<td></td>
<td>% KCl</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>% Sand</td>
<td></td>
</tr>
<tr>
<td>(also identify chemicals and ratios used in specific areas, e.g., water supply protection areas)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pre-wetting techniques utilized **</td>
<td></td>
<td>(y/n or %)</td>
<td></td>
</tr>
<tr>
<td>Manual control spreaders used **</td>
<td></td>
<td>(y/n or %)</td>
<td></td>
</tr>
<tr>
<td>Zero-velocity spreaders used **</td>
<td></td>
<td>(y/n or %)</td>
<td></td>
</tr>
<tr>
<td>Estimated net reduction or increase in typical year salt/chemical application rate</td>
<td></td>
<td>(±lbs/ln mi. or %)</td>
<td></td>
</tr>
<tr>
<td>Estimated net reduction or increase in typical year sand application rate **</td>
<td></td>
<td>(±lbs/ln mi. or %)</td>
<td></td>
</tr>
<tr>
<td>% of salt/chemical pile(s) covered in storage shed(s)</td>
<td></td>
<td>(%)</td>
<td></td>
</tr>
<tr>
<td>Storage shed(s) in design or under construction</td>
<td></td>
<td>(y/n or #)</td>
<td></td>
</tr>
<tr>
<td>100% of salt/chemical pile(s) covered in storage shed(s) by May 2008</td>
<td></td>
<td>(y/n)</td>
<td></td>
</tr>
</tbody>
</table>

** Water Supply Protection **

16
<table>
<thead>
<tr>
<th>Storm water outfalls to public water supplies eliminated or relocated</th>
<th># or y/n</th>
</tr>
</thead>
<tbody>
<tr>
<td>Installed or planned treatment BMPs for public drinking water supplies and their protection areas</td>
<td># or y/n</td>
</tr>
<tr>
<td>• Treatment units induce infiltration within 500-feet of a wellhead protection area</td>
<td># or y/n</td>
</tr>
</tbody>
</table>