Ms. Thelma Murphy  
Regional Storm Water Coordinator  
U.S. Environmental Protection Agency  
1 Congress Street - Suite 1100  
Boston, MA 02114-2023

Dear Ms. Murphy:

**RE: Annual Storm Water Report, April 1, 2008 to March 31, 2009**  
**NPDES General Permit for Storm Water Discharges from Small MS4s**  
**Permit # MAR042030; MA DEP BRP WM 08A NOI Transmittal # W035610**  
**Wrentham Developmental Center, Wrentham, MA**

In compliance with the NPDES General Permit for Storm Water Discharges from Small MS4s, the Wrentham Developmental Center (WDC) is submitting the 2008-2009 Annual Storm Water Report.

If you have any questions, please feel free to contact me at 508-384-1656.

Sincerely,

Stephen Legendre  
Director of Operations

SL: rstl  
Enclosure

Cc: Nicholas J. D’Aluisio, DMR, WDC  
    Brian Sullivan, DMR, WDC  
    John Sites, DMR, Boston  
    Paul Beaton, DMR, Boston  
    Ann Herrick, EPA, Boston  
    Fred Civian, DEP, Boston
Municipality/Organization: Wrentham Developmental Center

EPA NPDES Permit Number: MAR042030

MassDEP Transmittal Number: W035610

Annual Report Number & 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: Stephen Legendre Title: Director of Operations

Telephone #: 508-384-1600, ext.1656 Email: Steve.Legendre@state.ma.us

Mailing Address: Wrentham Developmental Center, P.O. Box 144, Wrentham, MA 02093

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: Stephen Legendre

Title: Director of Operations

Date: April 15, 2008
Part II. Self-Assessment: The Wrentham Developmental Center has completed the required self-assessment and has determined that our municipality is in compliance with all general permit conditions, effective May 1, 2003, extended May 1, 2008 to present.

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 6 (Reliance on non-municipal partners indicated, if any)</th>
<th>Planned Action Next Permit Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-01</td>
<td>Fact Sheet in newsletter</td>
<td>Steve Legendre/ Director of Operations</td>
<td>Awareness / feedback</td>
<td>Fact Sheet in newsletter distributed to all buildings and employees of facility</td>
<td>Maintain annual distribution of Storm Water Fact Sheet in newsletter. CROSSROADS Maintenance.</td>
</tr>
<tr>
<td>Revised</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1-02</td>
<td>Notice posted in food and cleaning services buildings</td>
<td>Steve Legendre/ Director of Operations</td>
<td>Awareness of proper disposal practices</td>
<td>Posters remain in visually conspicuous area for the employees of these subcontracted service providers</td>
<td>Maintain storm water posters in designated areas.</td>
</tr>
<tr>
<td>Revised</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1-03</td>
<td>Present a storm water fact sheet at each new employee orientation</td>
<td>Steve Legendre/ Director of Operations</td>
<td>Awareness / improved work habits</td>
<td>Fact sheet distributed during each employee orientation</td>
<td>Continue to distribute fact sheet at each new employee orientation. Maintain awareness of SWMP, applicable BMPs and participation opportunities.</td>
</tr>
<tr>
<td>Revised</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Revised</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### 1a. Additions

<table>
<thead>
<tr>
<th>Permit Year 6</th>
<th>Permit Year 7</th>
<th>Permit Year 8</th>
<th>Permit Year 9</th>
<th>Permit Year 10</th>
</tr>
</thead>
</table>

### 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 6</th>
<th>Planned Activities – Next Permit Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-01</td>
<td>Recruit designated person per shift; food and cleaning services</td>
<td>Steve Legendre/ Director of Operations</td>
<td>Oversight with increased awareness</td>
<td>Annual Stormwater and Spill Prevention Meeting of all department heads, supervisory administrative personnel, food services manager, and cleaning services manager. (sign-in required)</td>
<td>Continue to administer Annual Storm Water and Spill Prevention Meeting.</td>
</tr>
<tr>
<td>Revised</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2-02</td>
<td>Request volunteers per Unit per shift by supervisory personnel</td>
<td>Steve Legendre/ Director of Operations</td>
<td>Oversight with increased awareness</td>
<td>Requests made by supervisory personnel attending Annual Storm Water Meeting</td>
<td>Continue to request volunteers per Unit/Dept. per shift be watchful for proper disposal practices</td>
</tr>
<tr>
<td>Revised</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2-03</td>
<td>Security Training/ Awareness</td>
<td>Steve Legendre/ Director of Operations</td>
<td>Reporting of Incidents</td>
<td>Security supervisor attendance at Annual Storm Water / Spill Prevention Meeting. Establish procedure for the reporting and response to incidents</td>
<td>Security supervisor to attend Annual Storm Water Meeting and maintain documentation of incidents as needed</td>
</tr>
<tr>
<td>Revised</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2-04</td>
<td>Training for Transport, Grounds, Paint, and all Maintenance Depts.</td>
<td>Steve Legendre/ Director of Operations</td>
<td>Awareness/improved work habits</td>
<td>Tailgate meetings to promote proper work habits as related to SWMP</td>
<td>Tailgate meetings to promote proper work habits as related to SWMP</td>
</tr>
<tr>
<td>Revised</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
2a. Additions

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 6 (Reliance on non-municipal partners indicated, if any)</th>
<th>Planned Activities – Next Permit Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-01</td>
<td>Regularly inspect outfalls for dry weather discharges</td>
<td>Steve Legendre/ Director of Operations</td>
<td>Early detection and correction</td>
<td>No dry weather discharges detected</td>
<td>Continued monitoring of outfalls</td>
</tr>
<tr>
<td>Revised</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3-02</td>
<td>Use test kits for pH, nitrate, phosphate, during severe wet weather</td>
<td>Steve Legendre/ Director of Operations</td>
<td>Early detection and correction</td>
<td>Annual testing conducted during heavy rainfall event on 7-24-08. Tests seem to indicate normal outfall conditions. Additional tests performed for copper and ammonia nitrogen from same samples seem to indicate normal background levels for these substances.</td>
<td>Continue sampling during severe wet weather event each year</td>
</tr>
<tr>
<td>Revised</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3-03</td>
<td>Spill Response Plan</td>
<td>Steve Legendre/ Director of Operations</td>
<td>Spill Control Kit(s) on site; E.Q Northeast for clean-up and Emergency Response</td>
<td>Annual Storm Water / Spill Prevention Meeting did address Spill Response Plan. Additional spill control kits in each maintenance shop.</td>
<td>Continue to administer Annual Storm Water/ Spill Prevention (and response) Meeting with required attendance by designated supervisory personnel. Maintain spill control kits at appropriate locations.</td>
</tr>
<tr>
<td>Revised</td>
<td></td>
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</tr>
</tbody>
</table>
Wrentham Developmental Center: Permit # MAR042030, DEP Transmittal # W035610, Permit Year 6, 2008-2009

### 3a. Additions

<table>
<thead>
<tr>
<th>ID</th>
<th>Department/Person Name</th>
<th>Goal(s)</th>
<th>Progress on Goal(s)</th>
<th>Planned Activities</th>
</tr>
</thead>
<tbody>
<tr>
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</tr>
</tbody>
</table>

### 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 6 (Reliance on non-municipal partners indicated, if any)</th>
<th>Planned Activities – Next Permit Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>4-01</td>
<td>Insert standard construction controls and penalties into contract documentation</td>
<td>Steve Legendre/ Director of Operations</td>
<td>Erosion, sediment, and waste control</td>
<td>Standard construction controls maintained in contract documentation</td>
<td>Standard construction controls to be maintained in contract documentation</td>
</tr>
<tr>
<td>Revised</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4-02</td>
<td>Perform site inspections and impose penalties as required</td>
<td>Steve Legendre/ Director of Operations</td>
<td>Erosion, sediment, and waste control</td>
<td>Site inspections performed as required</td>
<td>Site inspections performed as required</td>
</tr>
<tr>
<td>Revised</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 4a. Additions

<table>
<thead>
<tr>
<th>ID</th>
<th>Department/Person Name</th>
<th>Goal(s)</th>
<th>Progress on Goal(s)</th>
<th>Planned Activities</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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</tr>
</tbody>
</table>


## 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 6 (Reliance on non-municipal partners indicated, if any)</th>
<th>Planned Activities – Next Permit Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>5-01</td>
<td>Standard post-construction controls and penalties into contract documentation</td>
<td>Steve Legendre/ Director of Operations</td>
<td>Erosion, sediment, and waste control. Soil depth restored.</td>
<td>Standard post-construction controls maintained in contract documentation</td>
<td>Standard post-construction controls to be maintained in contract documentation</td>
</tr>
</tbody>
</table>

### 5a. Additions

<p>| | | | | |</p>
<table>
<thead>
<tr>
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<tbody>
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<td></td>
</tr>
</tbody>
</table>
### 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 6 (Reliance on non-municipal partners indicated, if any)</th>
<th>Planned Activities – Next Permit Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>6-01</td>
<td>Contract for catch basin cleaning, inspection and repair</td>
<td>Steve Legendre/ Director of Operations</td>
<td>Proper operation of storm water collection system</td>
<td>Contract activities satisfied</td>
<td>Contract activities to be satisfied</td>
</tr>
<tr>
<td>Revised</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6-02</td>
<td>Town of Wrentham to clean public roads and some parking areas</td>
<td>Steve Legendre/ Director of Operations</td>
<td>Proper operation of system with reduction of sand in catch basins</td>
<td>Town of Wrentham cleaning/sweeping of public roadways and certain parking areas completed</td>
<td>Town of Wrentham to cleaning/sweep public roadways and certain parking areas</td>
</tr>
<tr>
<td>Revised</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6-03</td>
<td>Contract for remaining parking areas to be cleaned</td>
<td>Steve Legendre/ Director of Operations</td>
<td>Proper operation of system with reduction of sand in catch basins</td>
<td>Contract for cleaning/sweeping of remaining parking areas completed</td>
<td>Contract to continue for cleaning/sweeping of remaining parking areas</td>
</tr>
<tr>
<td>Revised</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6-04</td>
<td>Limit salt use; store salt/sand mixtures under roofed area</td>
<td>Steve Legendre/ Director of Operations</td>
<td>Limit salt to water table</td>
<td>Salt use controlled. Salt/sand mixture stored under roofed area.</td>
<td>Salt use controlled. Salt/sand mixture to be stored under roofed area</td>
</tr>
<tr>
<td>Revised</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6-05</td>
<td>Inspect and clean trash and debris from roadsides and culverts</td>
<td>Steve Legendre/ Director of Operations</td>
<td>Proper operation of storm-drain system</td>
<td>Regular inspection and cleaning of debris from roadside and culverts completed.</td>
<td>Regular inspection and cleaning of debris from roadside and culverts completed.</td>
</tr>
<tr>
<td>Revised</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Wrentham Developmental Center: Permit # MAR042030, DEP Transmittal # W035610, Permit Year 6, 2008-2009

6a. Additions

<table>
<thead>
<tr>
<th>ID</th>
<th>BMP Description</th>
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<th>Measurable Goal(s)</th>
<th>Progress on Goal(s) – Permit Year 6 (Reliance on non-municipal partners indicated, if any)</th>
<th>Planned Activities – Next Permit Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>7-01</td>
<td>Maintain status of all discharges being “Allowable”</td>
<td>Steve Legendre/ Director of Operations</td>
<td>No significant nutrient or sediment loading</td>
<td>All discharges remain “Allowable”</td>
<td>All discharges maintained as “Allowable.” Continue to monitor for illicit discharges</td>
</tr>
<tr>
<td>Revised</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7-02</td>
<td>Non-Storm Water Discharges not a significant contributor of pollutants</td>
<td></td>
<td></td>
<td>No illicit discharges detected</td>
<td></td>
</tr>
<tr>
<td>Revised</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>No direct receiving waters where TMDL is applicable</td>
</tr>
</tbody>
</table>

7a. Additions
Wrentham Developmental Center: Permit # MAR042030, DEP Transmittal # W035610, Permit Year 6, 2008-2009

7b. WLA Assessment: Not Applicable

Part IV. Summary of Information Collected and Analyzed

Water quality testing was conducted on 7-24-08 during a heavy rainfall event. Testing results for pH, Phosphate, Nitrogen Nitrate, Ammonia as Nitrogen, and Copper are attached. All testing is done at our waste water treatment plant by a certified operator in accordance with NPDES and MassDEP testing standards*. (*)Note: Copper tested using colorimetric test kit, SM Vol. 21, 3500-Cu B.
Wrentham Developmental Center: Permit # MAR042030, DEP Transmittal # W035610, Permit Year 6, 2008-2009

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, 2008 through March 31, 2009)

Programmatic

<table>
<thead>
<tr>
<th>Stormwater management position created/staffed</th>
<th>(Preferred Units)</th>
<th>Response</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>(y/n)</td>
<td>n</td>
</tr>
<tr>
<td>Annual program budget/expenditures **</td>
<td>($)</td>
<td>$14,491.70</td>
</tr>
<tr>
<td>Total program expenditures since beginning of permit coverage</td>
<td>($)</td>
<td>$87,570.70</td>
</tr>
<tr>
<td>Funding mechanism(s) (General Fund, Enterprise, Utility, etc)</td>
<td></td>
<td>Gen Fund</td>
</tr>
</tbody>
</table>

Education, Involvement, and Training

<table>
<thead>
<tr>
<th>Estimated number of property owners reached by education program(s)</th>
<th>(# or %)</th>
<th>n/a</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stormwater management committee established</td>
<td>(y/n)</td>
<td>y</td>
</tr>
<tr>
<td>Stream teams established or supported</td>
<td>(# or y/n)</td>
<td>n</td>
</tr>
<tr>
<td>Shoreline clean-up participation or quantity of shoreline miles cleaned ** -- Meadow Brook--</td>
<td>(y/n or mi.)</td>
<td>0.15 (all)</td>
</tr>
<tr>
<td>Shoreline cleaned since beginning of permit coverage</td>
<td>(mi.)</td>
<td>0.15</td>
</tr>
<tr>
<td>Household Hazardous Waste Collection Days</td>
<td></td>
<td></td>
</tr>
<tr>
<td>- days sponsored **</td>
<td>DEP oversight of hazardous waste collection at facility</td>
<td>(#)</td>
</tr>
<tr>
<td>- community participation **</td>
<td></td>
<td>(# or %)</td>
</tr>
<tr>
<td>- material collected **</td>
<td></td>
<td>(tons or gal)</td>
</tr>
<tr>
<td>School curricula implemented</td>
<td>(y/n)</td>
<td>n/a</td>
</tr>
</tbody>
</table>
**Wrentham Developmental Center: Permit # MAR042030, DEP Transmittal # W035610, Permit Year 6, 2008-2009**

**Legal/Regulatory**

<table>
<thead>
<tr>
<th>Regulatory Mechanism Status (indicate with “X”)</th>
<th>In Place</th>
<th>Reviewing</th>
<th>Draft in</th>
<th>Adopted</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>state contracts specify</strong></td>
<td>standard</td>
<td>construction</td>
<td>controls</td>
<td></td>
</tr>
<tr>
<td>Illicit Discharge Detection &amp; Elimination</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Erosion &amp; Sediment Control</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Post-Development Stormwater Management</td>
<td>X</td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

**Accompanying Regulation Status (indicate with “X”)**

<table>
<thead>
<tr>
<th></th>
<th>In Place</th>
<th>Reviewing</th>
<th>Draft in</th>
<th>Adopted</th>
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<tbody>
<tr>
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<td></td>
</tr>
</tbody>
</table>

**Mapping and Illicit Discharges**

<table>
<thead>
<tr>
<th></th>
<th>(Preferred Units)</th>
<th>Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>Outfall mapping complete</td>
<td>(%)</td>
<td>100</td>
</tr>
<tr>
<td>Estimated or actual number of outfalls</td>
<td>(#)</td>
<td>10</td>
</tr>
<tr>
<td>System-Wide mapping complete (complete storm sewer infrastructure)</td>
<td>(%)</td>
<td>98</td>
</tr>
</tbody>
</table>

**Mapping method(s)**

| | (%) | |
|-----------------------------------------------|----------| |
| Paper/Mylar | 98 |
| CADD | 98 |
| GIS | 0 |

<table>
<thead>
<tr>
<th></th>
<th>(Preferred Units)</th>
<th>Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>Outfalls inspected/screened **</td>
<td>(# or %)</td>
<td>10</td>
</tr>
<tr>
<td>Note: inspected only / no outfalls screened</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Outfalls inspected/screened (Since beginning of permit coverage)</td>
<td>(# or %)</td>
<td>10</td>
</tr>
<tr>
<td>Illicit discharges identified **</td>
<td>(#)</td>
<td>0</td>
</tr>
<tr>
<td>Illicit discharges identified (Since beginning of permit coverage)</td>
<td>(#)</td>
<td>0</td>
</tr>
<tr>
<td>Illicit connections removed **</td>
<td>(#); and (est. gpd)</td>
<td>0</td>
</tr>
<tr>
<td>Note: completed and maintained since Phase 1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Illicit connections removed (Since beginning of permit coverage)</td>
<td>(#); and (est. gpd)</td>
<td>0</td>
</tr>
<tr>
<td>% of population on sewer</td>
<td>(%)</td>
<td>98</td>
</tr>
<tr>
<td>% of population on septic systems</td>
<td>(%)</td>
<td>1</td>
</tr>
</tbody>
</table>
Wrentham Developmental Center: Permit # MAR042030, DEP Transmittal # W035610, Permit Year 6, 2008-2009

### Construction

<table>
<thead>
<tr>
<th>Item</th>
<th>(Preferred Units)</th>
<th>Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of construction starts (&gt;1-acre) **</td>
<td>(#)</td>
<td>0</td>
</tr>
<tr>
<td>Estimated percentage of construction starts adequately regulated for erosion and sediment control **</td>
<td>(%)</td>
<td>0</td>
</tr>
<tr>
<td>Site inspections completed **</td>
<td>(# or %)</td>
<td>0</td>
</tr>
<tr>
<td>Tickets/Stop work orders issued **</td>
<td>(# or %)</td>
<td>0</td>
</tr>
<tr>
<td>Fines collected **</td>
<td>(# and $)</td>
<td>0</td>
</tr>
<tr>
<td>Complaints/concerns received from public **</td>
<td>(#)</td>
<td>0</td>
</tr>
</tbody>
</table>

### Post-Development Stormwater Management

<table>
<thead>
<tr>
<th>Item</th>
<th>(%)</th>
<th>0</th>
</tr>
</thead>
<tbody>
<tr>
<td>Estimated percentage of development/redevelopment projects adequately regulated for post-construction stormwater control</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Site inspections (for proper BMP installation &amp; operation) completed **</td>
<td>(# or %)</td>
<td>0</td>
</tr>
<tr>
<td>BMP maintenance required through covenants, escrow, deed restrictions, etc.</td>
<td>(y/n)</td>
<td>0</td>
</tr>
<tr>
<td>Low-impact development (LID) practices permitted and encouraged</td>
<td>(y/n)</td>
<td>0</td>
</tr>
</tbody>
</table>

### Operations and Maintenance

<table>
<thead>
<tr>
<th>Item</th>
<th>(times/yr)</th>
<th>1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Average frequency of catch basin cleaning (non-commercial/non-arterial streets) **</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Average frequency of catch basin cleaning (commercial/arterial or other critical streets) **</td>
<td>(times/yr)</td>
<td>1</td>
</tr>
<tr>
<td>Qty of structures cleaned **</td>
<td>(#)</td>
<td>86</td>
</tr>
<tr>
<td>Qty. of storm drain cleaned **</td>
<td>(%, LF or mi.)</td>
<td>0</td>
</tr>
<tr>
<td>Qty. of screenings/debris removed from storm sewer infrastructure **</td>
<td>(lbs. or tons)</td>
<td>26 lbs</td>
</tr>
<tr>
<td>Disposal or use of screenings (landfill, POTW, compost, beneficial use, etc.) **</td>
<td>(location)</td>
<td></td>
</tr>
</tbody>
</table>
### Basin Cleaning Costs

<table>
<thead>
<tr>
<th>Description</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Annual budget/expenditure (labor &amp; equipment)**</td>
<td>$1,113.70</td>
</tr>
<tr>
<td>Hourly or per basin contract rate **</td>
<td>$12.95  per basin</td>
</tr>
<tr>
<td>Disposal cost**</td>
<td>0</td>
</tr>
</tbody>
</table>

### Cleaning Equipment

<table>
<thead>
<tr>
<th>Description</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clam shell truck(s) owned/leased</td>
<td>0</td>
</tr>
<tr>
<td>Vacuum truck(s) owned/leased</td>
<td>0</td>
</tr>
<tr>
<td>Vacuum trucks specified in contracts</td>
<td>n</td>
</tr>
<tr>
<td>% Structures cleaned with clam shells **</td>
<td>100</td>
</tr>
<tr>
<td>% Structures cleaned with vacuum **</td>
<td>0</td>
</tr>
</tbody>
</table>

### Average frequency of street sweeping (non-commercial/non-arterial streets) **

<table>
<thead>
<tr>
<th>(Preferred Units)</th>
<th>Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>(times/yr)</td>
<td>1</td>
</tr>
</tbody>
</table>

### Average frequency of street sweeping (commercial/arterial or other critical streets) **

<table>
<thead>
<tr>
<th>(Preferred Units)</th>
<th>Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>(times/yr)</td>
<td>1</td>
</tr>
</tbody>
</table>

### Qty. of sand/debris collected by sweeping **

| (location)        | compost  |

### Disposal of sweepings (landfill, POTW, compost, beneficial use, etc.) **

<table>
<thead>
<tr>
<th>(Preferred Units)</th>
<th>Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>($)</td>
<td>$1,770.00</td>
</tr>
</tbody>
</table>

### Annual Sweeping Costs

<table>
<thead>
<tr>
<th>Description</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Annual budget/expenditure (labor &amp; equipment)**</td>
<td></td>
</tr>
<tr>
<td>Hourly or lane mile contract rate **</td>
<td>n/a</td>
</tr>
<tr>
<td>Disposal cost**</td>
<td>0</td>
</tr>
</tbody>
</table>

### Sweeping Equipment

<table>
<thead>
<tr>
<th>Description</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rotary brush street sweepers owned/leased</td>
<td>0</td>
</tr>
<tr>
<td>Vacuum street sweepers owned/leased</td>
<td>0</td>
</tr>
<tr>
<td>Vacuum street sweepers specified in contracts</td>
<td>n</td>
</tr>
<tr>
<td>% Roads swept with rotary brush sweepers **</td>
<td>100</td>
</tr>
<tr>
<td>% Roads swept with vacuum sweepers **</td>
<td>0</td>
</tr>
</tbody>
</table>
Reduction (since beginning of permit coverage) in application on public land of:
(“N/A” = never used; “100%” = elimination)

<table>
<thead>
<tr>
<th>Category</th>
<th>Preferred Units</th>
<th>Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fertilizers</td>
<td>(lbs. or %)</td>
<td>2%</td>
</tr>
<tr>
<td>Herbicides</td>
<td>(lbs. or %)</td>
<td>n/a</td>
</tr>
<tr>
<td>Pesticides</td>
<td>(lbs. or %)</td>
<td>n/a</td>
</tr>
</tbody>
</table>

Integrated Pest Management (IPM) Practices Implemented
(Preferred Units) Response
(y/n)

Average Ratio of Anti-/De-Icing products used **
(Also identify chemicals and ratios used in specific areas, e.g., water supply protection areas)

<table>
<thead>
<tr>
<th>Chemical</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>NaCl</td>
<td>23%</td>
</tr>
<tr>
<td>CaCl₂</td>
<td>0</td>
</tr>
<tr>
<td>MgCl₂</td>
<td>0</td>
</tr>
<tr>
<td>CMA</td>
<td>0</td>
</tr>
<tr>
<td>Kac</td>
<td>0</td>
</tr>
<tr>
<td>KCl</td>
<td>0</td>
</tr>
<tr>
<td>Sand</td>
<td>77%</td>
</tr>
</tbody>
</table>

Pre-wetting techniques utilized **
(y/n or %) n

Manual control spreaders used **
(y/n or %) y

Zero-velocity spreaders used **
(y/n or %) n

Estimated net reduction or increase in typical year salt/chemical application rate
(±lbs/ln mi. or %) 0

Estimated net reduction or increase in typical year sand application rate **
(±lbs/ln mi. or %) 0

% 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) y
### Water Supply Protection

<table>
<thead>
<tr>
<th>Description</th>
<th># or y/n</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Storm water outfalls to public water supplies eliminated or relocated</td>
<td># or y/n</td>
<td>0</td>
</tr>
<tr>
<td>Installed or planned treatment BMPs for public drinking water supplies and their protection areas</td>
<td># or y/n</td>
<td>0</td>
</tr>
<tr>
<td>• Treatment units induce infiltration within 500-feet of a wellhead protection area</td>
<td># or y/n</td>
<td>0</td>
</tr>
<tr>
<td>BMP ID #</td>
<td>PERMIT YEAR SIX</td>
<td>NEXT PERMIT YEAR</td>
</tr>
<tr>
<td>----------</td>
<td>----------------</td>
<td>-----------------</td>
</tr>
<tr>
<td>1 01</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>1 02</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>1 03</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1 04</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2 01</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>2 02</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>2 03</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>2 04</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>3 01</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3 02</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>3 03</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4 01</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4 02</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5 01</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6 01</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>6 02</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>6 03</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>6 04</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6 05</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**F. Example Storm Water Management Program TIME FRAMES (Wrentham Developmental Center)**

- **PERMIT YEAR SIX**
  - Spring 08
  - Summer 08
  - Fall 08
  - Winter 08-09

- **NEXT PERMIT YEAR**
  - Spring 09
  - Summer 09
  - Fall 09
  - Winter 2009-2010

- **Winter 2010-2011**
  - Spring 2011
  - Summer 2011
  - Fall 2011

- **Winter 2012-2013**
  - Spring 2012
  - Summer 2012
  - Fall 2012

- **Winter 2013-2014**
  - Spring 2013
  - Summer 2013
  - Fall 2013

**Note:** The table cells contain placeholders for times and dates. The actual data should be filled in according to the specific requirements of the program.
Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Watershed Management

Transmittal Number
BRP WM 08A
NPDES Stormwater General Permit Notice of Intent
for Discharges from Small Municipal Separate Storm Sewer Systems (MS4s)

F. Example Storm Water Management Program Time Frames (Wrentham Developmental Center)

<table>
<thead>
<tr>
<th>Permit Year One</th>
<th>Permit Year Two</th>
<th>Permit Year Three</th>
<th>Permit Year Four</th>
<th>Permit Year Five</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall 03</td>
<td>Winter 03</td>
<td>Spring 03</td>
<td>Summer 03</td>
<td>Fall 04</td>
</tr>
<tr>
<td>Winter 04</td>
<td>Spring 04</td>
<td>Summer 04</td>
<td>Fall 05</td>
<td>Winter 05</td>
</tr>
<tr>
<td>Spring 05</td>
<td>Summer 05</td>
<td>Fall 06</td>
<td>Winter 06</td>
<td>Spring 06</td>
</tr>
<tr>
<td>Summer 06</td>
<td>Fall 07</td>
<td>Winter 07</td>
<td>Spring 07</td>
<td>Summer 07</td>
</tr>
<tr>
<td>Fall 07</td>
<td>Winter 08</td>
<td>Spring 08</td>
<td>Summer 08</td>
<td>Fall 08</td>
</tr>
</tbody>
</table>

BMP ID #

1 01  1 02  1 03  1 04  2 01  2 02  2 03  2 04  3 01  3 02  3 03  4 01  4 02  5 01  6 01  6 02  6 03  6 04  6 05
Announcement

The annual Water Quality Report for Calendar Year 2007 will be published in the upcoming 6/13/2008 issue of the CROSSROADS newsletter. Additional copies of the annual Water Quality Report will be available upon request. If you have any questions, please feel free to call Robert St. Laurent, our drinking water operator, at ext. 1657.

List of Public Locations for Posting of Wrentham Developmental Center's Water Quality Report 2007

Wrentham Developmental Center

For Posting of
List of Public Locations

June 2008

1. Administration Building, 1st floor hallway
2. Cottage 8, Recreation Office, 2nd floor hallway
3. Cottage 5, New Employee Orientation Center and Cottage 5, Minitone Office, from entrance stair railing, 1st floor
4. Jolly Farm Day Care Center
5. Cottage 3, EDCO Office, posting board
6. FM&M Cleaning Services, employee information posting board
7. Morrison Food Services, employee information posting board
8. Main Office, Peggy Jelinek Volunteer Services Center
9. Good Times Cafe, entrance hallway
10. Administration Building, 1st floor hallway

(Continued)
Consider It Dunn, Inc.
35 Louis Road
Attleboro, MA 02703
1-800-950-4514
consideritdunn@comcast.net

INVOICE

DATE       INVOICE #
6/2/2008    1810

BILL TO
Wrentham Development Center
P.O. Box 144
Wrentham, MA 02093
Attn: Steve Legendre

<table>
<thead>
<tr>
<th>YOUR P.O. #</th>
<th>TERMS</th>
</tr>
</thead>
<tbody>
<tr>
<td>8143M02</td>
<td>Net 30</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SERVICED</th>
<th>ITEM</th>
<th>DESCRIPTION</th>
<th>AMOUNT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Service</td>
<td></td>
<td>Re: Sweeper Rental</td>
<td>1,770.00</td>
</tr>
<tr>
<td></td>
<td>Service</td>
<td>Sweeping of roadway and parking areas as agreed to and designated by Steve Legendre.</td>
<td></td>
</tr>
</tbody>
</table>

Thank you for your business. Please write Invoice # on your check. Thank You

| Total    | $1,770.00 |
| Payments/Credits | $0.00 |
| Balance Due       | $1,770.00 |
Truax Corporation  
10 Paddock Hill Drive  
Lakeville, MA  02347

We keep things flowing.

### Invoice

<table>
<thead>
<tr>
<th>Date</th>
<th>Service Performed</th>
<th>Location</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>6/14/2008</td>
<td>Catch Basin</td>
<td>Wrentham Development Center. Cleaned 86 basins @ $12.95 each</td>
<td>1,113.70</td>
</tr>
</tbody>
</table>

We appreciate your prompt payment

<table>
<thead>
<tr>
<th>Phone #</th>
<th>Fax #</th>
<th>E-mail</th>
<th>Web Site</th>
</tr>
</thead>
<tbody>
<tr>
<td>508.946.3394</td>
<td>508.946.3441</td>
<td><a href="mailto:truaxcorporation@comcast.net">truaxcorporation@comcast.net</a></td>
<td><a href="http://www.truaxcorporation.com">www.truaxcorporation.com</a></td>
</tr>
</tbody>
</table>

Total $1,113.70
**WD C**  
7/24/20  

**STORM WATER OUTFALLS**

<table>
<thead>
<tr>
<th></th>
<th>EWAT</th>
<th>MHH #1</th>
<th>MHH #2</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>pH</strong></td>
<td>6.05</td>
<td>6.51</td>
<td>6.49</td>
</tr>
<tr>
<td><strong>Phosphate</strong></td>
<td>0.13</td>
<td>0.10</td>
<td>0.32</td>
</tr>
<tr>
<td><strong>Copper</strong></td>
<td>0.06</td>
<td>≤0.01</td>
<td>0.07</td>
</tr>
<tr>
<td><strong>Ammonia</strong></td>
<td>0.74</td>
<td>0.75</td>
<td>0.50</td>
</tr>
<tr>
<td><strong>As Nitrite</strong></td>
<td>≤0.01</td>
<td>0.03</td>
<td>≤0.01</td>
</tr>
<tr>
<td><strong>Nitrate</strong></td>
<td>21 °C</td>
<td>21 °C</td>
<td>21 °C</td>
</tr>
</tbody>
</table>

Temp °C: 21
P.H.

WORKSEET

Sample Date 7/24/05  Time 7:00 pm  BY RMA

Analysis Date 7/24/05  Time 1:35 pm  By DS

Calibration Check  √  Sample type Grab

<table>
<thead>
<tr>
<th></th>
<th>P.H.</th>
<th>Temp</th>
</tr>
</thead>
<tbody>
<tr>
<td>E wait</td>
<td>6.05</td>
<td></td>
</tr>
<tr>
<td>mH #1</td>
<td>6.51</td>
<td></td>
</tr>
<tr>
<td>mH #2</td>
<td>6.49</td>
<td></td>
</tr>
</tbody>
</table>

Comments: ____________________________________________
AMMONIA NITROGEN TEST PROCEDURE: NESSLER METHOD

Read the 1200 Colorimeter Manual before proceeding. Carefully wipe tubes dry before inserting into the colorimeter chamber.

AMMONIA NITROGEN

1. Fill the Water Sample Collecting Bottle (0688) with sample water. This will be used to dispense sample water for the tests.

2. Rinse and fill a colorimeter tube (0290) to the 10 mL line with sample water. Cap and wipe dry.

3. Insert the tube into the chamber, being sure to align the index line with the arrow on the meter. Close the lid. This tube is the blank or zero.

4. Push the READ button to turn the meter on. Press the ZERO button and hold it for 2 seconds until BLA is displayed. Release the button to take a blank reading (0.0 ppm).


6. Use 1.0 mL pipet (0354) to add 1.0 mL of *Ammonia Nitrogen Reagent #2 (V-4798).

7. Cap and invert to mix. Wait 5 minutes for full color development. Wipe tube dry.

8. Align the index line with the arrow on the meter, insert tube into chamber. Close the lid. Push the READ button. Record results as ppm Ammonia Nitrogen (NH₃-N).

AMMONIA NITROGEN WORKSHEET

<table>
<thead>
<tr>
<th>Sample Date</th>
<th>7/24/08</th>
</tr>
</thead>
<tbody>
<tr>
<td>Time</td>
<td></td>
</tr>
</tbody>
</table>

| Sample Location | 04H.2 |
| Location        |        |

24 Hour Compost Sample Grab

Analysis Date | 7/24/08 |
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Time</td>
<td></td>
</tr>
</tbody>
</table>

Test: Equif (0.74)

Results: max.2 (0.50)

Comments: _______________________

Volume Used: 10 mL

Calculations: ___________________
COPPER TEST PROCEDURE - DIETHYLDITHIOCARBAMATE

Read the 1200 Colorimeter Manual before proceeding. Carefully wipe tubes dry before inserting into the colorimeter chamber.

COPPER

1. Fill the Water Sample Collecting Bottle (0688) with sample water. This will be used to dispense sample water for the tests.

2. Rinse and fill a colorimeter tube (0290) to the 10 mL line with sample water. Cap and wipe dry.

3. Insert the tube into the chamber, being sure to align the index line with the arrow on the meter. Close the lid. This tube is the blank or zero.

4. Push the READ button to turn the meter on. Press the ZERO button and hold it for 2 seconds until blA is displayed. Release the button to take a blank reading (0.0 ppm).

5. Remove tube from colorimeter. Add 5 drops of *Copper I (6446).

6. Cap and invert to mix. Wipe tube dry.

7. Align the index line with the arrow on the meter, insert tube into chamber. Close the lid. Push the READ button. Record results as ppm Copper.

COPPER TEST WORKSHEET

Sample Date 7/24/08 Time 16:00pm By Rkda

Sample Location Temp

24 Hour Compost Sample Grab Other

Analysis Date 7/24/08 Time 1:45pm By BS

Test Results

Duplicate Results

Comments:

Volume Used: 10 mL

Calculations
PROCEDURE

1. Place Dispenser Cap (0692) on *Mixed Acid Reagent (V-6278). Save this cap for refill reagents.

2. Press and hold **ON** button until colorimeter turns on.

3. Press **ENTER** to start.

4. Press **ENTER** to select TESTING MENU.

5. Select ALL TESTS (or another sequence containing 67 Nitrite-N) from TESTING MENU.

6. Rinse a clean tube (0290) with sample water. Fill to the 10 mL line with sample.

7. Insert tube into chamber, close lid and select SCAN BLANK.

8. Remove tube from colorimeter and pour off 5 mL into a graduated cylinder or similar. Discard the remaining sample.

9. Pour the 5 mL sample from the graduated cylinder into the colorimeter tube. Use graduated cylinder or similar to measure 5 mL of *Mixed Acid Reagent (V-6278) and add to tube. Cap and mix.

10. Use the 0.1 g spoon (0699) to add two measures of *Color Developing Reagent (V-628). Cap and mix by gently inverting for 1 minute. Wait 5 minutes for maximum color development.

11. At the end of the 5 minute waiting period, mix, insert tube into chamber, close lid and select SCAN SAMPLE. Record result.

12. Press **OFF** button to turn colorimeter off or press **EXIT** button to exit to a previous menu or make another menu selection.

NOTE: To convert nitrite-nitrogen (NO$_2$-N) results to ppm nitrite (NO$_2$), multiply results by 3.3.
PHOSPHATE PROCEDURE - ASCORBIC ACID METHOD

Read the 1200 Colorimeter Manual before proceeding. Carefully wipe tubes dry before inserting into the colorimeter chamber.

PHOSPHATE

1. Fill the Water Sample Collecting Bottle (0688) with sample water. This will be used to dispense sample water for the tests.

2. Rinse and fill a colorimeter tube (0290) to the 10 mL line with sample water. Cap and wipe dry.

3. Insert the tube into the chamber, being sure to align the index line with the arrow on the meter. Close the lid. This tube is the sample blank or zero.

4. Push the READ button to turn the meter on. Press the ZERO button and hold it for 2 seconds until \( E_{LR} \) is displayed. Release the button to take a blank reading (0.0 ppm).

5. Remove tube from colorimeter. Use 1.0 mL pipet (0354) to add 1.0 mL of *Phosphate Acid Reagent (V-6282). Cap and mix.

6. Use the 0.1 g spoon (0699) to add one measure of *Phosphate Reducing Reagent (V-6283).

7. Cap and shake until powder dissolves. Wait 5 minutes for full color development. Solution will turn blue if phosphates are present. Wipe tube dry.

8. Align the index line with the arrow on the meter, insert tube into chamber. Close the lid. Push the READ button. Record results as ppm Orthophosphate.

PHOSPHATE TEST WORKSHEET

Sample Date 7/4/05 Time 1:50 pm By BSA

Sample Location

Temp

24 Hour

Compost Sample Grab Other

Analysis Date 7/4/05 Time 1:55 pm By BSA

Test Results

Ew/1 (0.13) mmu*/1 (<0.11)

mnu*/2 (0.32) Duplicate Results

Comments:

Volume Used: 10 mL

Calculations