Municipality/Organization: Groton

EPA NPDES Permit Number: #ma041193

MaDEP Transmittal Number: W-041197

Annual Report Number & Reporting Period: No. 4: March 07-March 08

NPDES PII Small MS4 General Permit Annual Report

Part I. General Information

Contact Person: Robert T Delaney Jr  Title: Highway Surveyor

Telephone #: 978-448-1162  Email: grotonhighway@prodigy.net

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: [Signature]

Printed Name: Robert T Delaney Jr

Title: Highway Surveyor

Date: 5/10/08
Part II. Self-Assessment

The Town Of Groton has completed its self assessment and has determined we are in compliance with the permit except for the following provisions.
Submission of report by May 1 2008

Groton currently has influence on two water bodies of concern which have a TMDL.
The Town of Groton has hired Comprehensive Environmental Inc. (CEI) to review TMDLs for the Nashua and Merrimack Rivers and to provide recommendations on the additional steps needed to comply with the TMDLs. CEI is in the process of conducting this review and will compare the TMDL implementation strategy components with the actions currently taken by the Town under the stormwater Phase II program and in general. The Town will use these recommendations to enhance its existing Stormwater Management Program as needed to be protective of impaired waters

NEW

The Town has received a 319 grant to improve water quality of James Brook.

Annual Town Meeting on April 28, 2008 adopted illicit discharge bylaw.

Annual Town Meeting on April 28, 2008 adopted updated LID regulations recommended by the state.

All outfalls have been located and have been sent for federally listed endangered species or critical habitat.

Permanently attached Drain markers being installed to catch basin grates, instead of stenciling. Labels read “only rain down the drain”

Combined Stormwater and earth removal committee to one called Earth removal stormwater advisory committee.

Established revolving fund for storm water committee for peer review of projects.
**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 5</th>
<th>Planned Activities – Permit Year 6</th>
</tr>
</thead>
<tbody>
<tr>
<td>1a</td>
<td>Yearly flyer in tax bills</td>
<td>Tom Delaney/ highway</td>
<td>Reach all home owners</td>
<td>Complete River Awareness was the topic</td>
<td>Continue mailings with different themes</td>
</tr>
<tr>
<td><strong>Revised</strong></td>
<td><strong>Town wide mailing in corporation with NWRA</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1b</td>
<td>Hazardous waste day</td>
<td>Board of Health/Recycling</td>
<td>Reduce waste</td>
<td>Fall 06 and spring 07 regional collection complete</td>
<td>Spring 08 regional scheduled for 4/3/08</td>
</tr>
<tr>
<td><strong>Revised</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1c</td>
<td>Increase recycling efforts within the Town</td>
<td>Board of Health/ recycling</td>
<td>Reduce waste</td>
<td>Have gone to a pay as you throw system and increased recycling 10-15%</td>
<td>Continue efforts</td>
</tr>
<tr>
<td><strong>Revised</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1d</td>
<td>Water conservation equipment</td>
<td>Water Department</td>
<td>Reduce water use</td>
<td>Department continues to distribute water saving devices.</td>
<td>Continue with program.</td>
</tr>
<tr>
<td><strong>Revised</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**1a. Additions**

| 1e       | Educational programming | Highway | Inform public of educational programming | Cable TV advertised and airing of Reining In The Storm | Continue to show Different Storm water videos |
| 1f       | Low Impact Development Workshop | Planning Board | Public and contractor education | Complete | Update as needed |
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 5 (Reliance on non-municipal partners indicated, if any)</th>
<th>Planned Activities – Permit Year 6</th>
</tr>
</thead>
<tbody>
<tr>
<td>2a</td>
<td>Stenciling</td>
<td>Tom Delaney/Highway</td>
<td>Stencil Basins to Waterways&lt;br&gt;Label basins as water only</td>
<td>Searching for volunteers</td>
<td>Installing Drain Labels</td>
</tr>
<tr>
<td>Revised</td>
<td><strong>Drain markers on basin tops</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2b</td>
<td>Stream Cleaning and Ditch maintenance</td>
<td>Tom Delaney/Highway</td>
<td>Increase water Flows&lt;br&gt;400+- feet of inlets and road side ditches cleaned and Rip Rapped</td>
<td>Continue to clean drop inlets and rip-rap all inlets and outfalls of all known pipes.</td>
<td></td>
</tr>
<tr>
<td>Revised</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2c</td>
<td>Increase cooperation with Nashua River Watershed Association</td>
<td>Tom Delaney/Highway&lt;br&gt;MRWA</td>
<td>Assist when we can to improve water quality&lt;br&gt;Continue to pickup debris from stream cleaning days.</td>
<td>Continue Cooperation with NWRA</td>
<td></td>
</tr>
<tr>
<td>Revised</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

2a. Additions

<table>
<thead>
<tr>
<th>BMP ID #</th>
<th>BMP Description</th>
<th>Responsible Dept./Person Name</th>
<th>Measurable Goal(s)</th>
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<th>Planned Activities – Permit Year 5</th>
</tr>
</thead>
<tbody>
<tr>
<td>2d</td>
<td>Installation of water crossing signs</td>
<td>Highway/NRWA</td>
<td>Mark streams that cross under roadways&lt;br&gt;Signage at all major perennial streams&lt;br&gt;Major streams done and located on map and mailing.</td>
<td>All others to increase awareness</td>
<td></td>
</tr>
<tr>
<td>2e</td>
<td>Low Impact development Workshop</td>
<td>Planning Board/Highway</td>
<td>A move towards LID&lt;br&gt;Had Workshop and implemented Bylaw Fall 06</td>
<td>Updated bylaw on 4/28/08</td>
<td></td>
</tr>
</tbody>
</table>
### 3. Illicit Discharge Detection and Elimination

<table>
<thead>
<tr>
<th>BMP ID #</th>
<th>BMP Description</th>
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<th>Planned Activities – Permit Year 6</th>
</tr>
</thead>
<tbody>
<tr>
<td>3a</td>
<td>Visual inspection</td>
<td>Tom Delaney/Highway</td>
<td>Detect illegal hookups</td>
<td>No hookups found</td>
<td>Monitor for illegal connections</td>
</tr>
<tr>
<td>3b</td>
<td>Bylaw prohibiting hookups into Town System</td>
<td>Tom Delaney/Highway</td>
<td>Prohibit Discharge into MS4</td>
<td>Bylaw adopted</td>
<td>In place</td>
</tr>
<tr>
<td>3c</td>
<td>Mapping of Basins and Outfalls</td>
<td>Tom Delaney/Highway</td>
<td>Map System</td>
<td>Create a program to link basins, manholes and outfalls together and put on Town GIS</td>
<td>inplace</td>
</tr>
</tbody>
</table>

#### 3a. Additions

<p>| | | | | | |</p>
<table>
<thead>
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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>
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</tr>
</thead>
<tbody>
<tr>
<td>4a</td>
<td>Bylaw Subdivision Regulation</td>
<td>Planning Board</td>
<td>No net increase of water runoff from sites.</td>
<td>Bylaw in place</td>
<td>Revisit and make additions if and when necessary when our education of new and better requirements improve.</td>
</tr>
<tr>
<td>Revised</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4b</td>
<td>Town of Groton Wetlands Bylaw</td>
<td>Conservation Commission</td>
<td>Strict Regulations</td>
<td>50 foot no disturb bylaw in place and increased buffer to 200</td>
<td>In Place</td>
</tr>
<tr>
<td>Revised</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4c</td>
<td>Site Plan Review</td>
<td>Planning Board</td>
<td>Water Management in projects</td>
<td>Bylaws in place regarding any storm water management</td>
<td>In place</td>
</tr>
<tr>
<td>Revised</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4d</td>
<td>Erosion Control Bylaw</td>
<td>Planning Board</td>
<td>Sedimentation and erosion control.</td>
<td>Bylaws in place for erosion Control as well as an enforcement officer and a system in place for fines.</td>
<td>In place</td>
</tr>
<tr>
<td>Revised</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4e</td>
<td>Bylaw for open drainage in New construction LID</td>
<td>Planning Board/Highway</td>
<td>Open drainage for ground water recharge</td>
<td>In place spring 06</td>
<td>In place</td>
</tr>
<tr>
<td>Revised</td>
<td><em>Also long term maintenance addressed in new regulations.</em></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### 4a. Additions

<table>
<thead>
<tr>
<th>New storm water committee</th>
<th>Selectman</th>
<th>Update Erosion committee to include Stormwater in scope</th>
<th>Spring 07</th>
<th>In place</th>
</tr>
</thead>
<tbody>
<tr>
<td>New Storm water Bylaw</td>
<td>Stormwater/erosion committee</td>
<td>Update regulations and maintenance plan bylaw for new systems</td>
<td>Adopted town meeting spring 07</td>
<td>In place</td>
</tr>
</tbody>
</table>
### 5. Post-Construction Stormwater Management in New Development and Redevelopment

<table>
<thead>
<tr>
<th>BMP ID #</th>
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</tr>
</thead>
<tbody>
<tr>
<td>5a</td>
<td>Subdivision Regulation</td>
<td>Planning Board</td>
<td>No net increase of water flows from new construction</td>
<td>In Place</td>
<td>In place</td>
</tr>
<tr>
<td>Revised</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5b</td>
<td>Site Plan Review</td>
<td>Planning Board</td>
<td>Storm Water Management Plan required for developments</td>
<td>In Place</td>
<td>In place</td>
</tr>
<tr>
<td>Revised</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5c</td>
<td>Erosion Control Bylaw</td>
<td>Earth removal Committee</td>
<td>Erosion and Sedimentation control</td>
<td>In Place</td>
<td>In place</td>
</tr>
<tr>
<td>Revised</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Update as needed</td>
</tr>
</tbody>
</table>

#### 5a. Additions

| 5d       | Expanded Post construction Bylaw | Earth Removal Planning Board | Revise Bylaw to mimic state regulations                                           | In place                                                                                 | In place                          |
|          |                                  |                              |                                                                                   |                                                                                          | Update as needed                  |
| 5c       | Updating regulations             | Planning Board and Stormwater| All regulations above to be reviewed and updated                                   | Contract signed with CEI spring 07 to review and update all bylaws and regulations       | In place                          |
|          |                                  |                              |                                                                                   |                                                                                          | Update as needed                  |
### 6. Pollution Prevention and Good Housekeeping in Municipal Operations

<table>
<thead>
<tr>
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<th>Planned Activities – Permit Year 6</th>
</tr>
</thead>
<tbody>
<tr>
<td>6a</td>
<td>Environmental assessment</td>
<td>Tom Delaney/Highway dept</td>
<td>Town facility assessment and environmental compliance</td>
<td>Completed</td>
<td>In place Update as needed</td>
</tr>
<tr>
<td>6b</td>
<td>Spill response</td>
<td>Tom Delaney/Highway dept</td>
<td>Spill plan</td>
<td>In place</td>
<td>In place Update as needed</td>
</tr>
<tr>
<td>6c</td>
<td>Illegal Dumping Control</td>
<td>Tom Delaney/Highway dept</td>
<td>Reduce illegal dumping</td>
<td>Many areas blocked and cleaned up. Signs installed and easier access for composting facility for public.</td>
<td>Continue as needed</td>
</tr>
<tr>
<td>6d</td>
<td>Oil Recycling</td>
<td>Tom Delaney/Highway dept/Transfer Station</td>
<td>Continue oil collection and Used oil heat technology</td>
<td>Continue with current uses</td>
<td>Continue</td>
</tr>
<tr>
<td>6e</td>
<td>Increased frequency of Street Sweeping</td>
<td>Tom Delaney/Highway dept</td>
<td>Increase sweeping in environmentally sensitive areas</td>
<td>In Place</td>
<td>Continue</td>
</tr>
</tbody>
</table>

6a. Additions
7. BMPs for Meeting Total Maximum Daily Load (TMDL) Waste Load Allocations (WLA)  

<table>
<thead>
<tr>
<th>BMP ID #</th>
<th>BMP Description</th>
<th>Responsible Dept./Person Name</th>
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<th>Planned Activities – Permit Year 6</th>
</tr>
</thead>
<tbody>
<tr>
<td>7a</td>
<td>Increase Basin Cleaning</td>
<td>Tom Delaney/Highway dept</td>
<td>Increase Cleanings in sensitive areas</td>
<td>In Place</td>
<td>Continue</td>
</tr>
<tr>
<td>Revised</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7b</td>
<td>Salt Spreader calibrations to reduce salt usage</td>
<td>Tom Delaney/Highway dept</td>
<td>Reduce Salt use by 10%</td>
<td>In Place</td>
<td>Continue</td>
</tr>
<tr>
<td>Revised</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7c</td>
<td>Oil traps on Basins in Sensitive areas</td>
<td>Planning Board\ Tom Delaney/Highway dept</td>
<td>Oil traps in New Subdivisions on all catch Basins</td>
<td>In Place</td>
<td>Continue</td>
</tr>
<tr>
<td>Revised</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7d</td>
<td>Conversion to Leaching Basins when Practical</td>
<td>Tom Delaney/Highway dept</td>
<td>Recharge ground water when possible</td>
<td>0 Converted</td>
<td>Continue</td>
</tr>
<tr>
<td>Revised</td>
<td></td>
<td></td>
<td></td>
<td>3 built in west groton</td>
<td></td>
</tr>
</tbody>
</table>

7a. Additions

|                                                            |                                                            |                                                            |                                                            |                                                            |                                   |
|                                                            |                                                            |                                                            |                                                            |                                                            |                                   |
|                                                            |                                                            |                                                            |                                                            |                                                            |                                   |


Part IV. Summary of Information Collected and Analyzed

Year 1
Basin Inspections list is being compiled and will be integrated into the mapping phase of our Plan. Details will include if there was an illicit connection, type, condition, oil trap condition if present, dates cleaned, etc.
No other data to report at this time.

Year 2
Nothing new to report at this time. No illicit connections have been discovered during repairs, inspections and cleanings.

Year 3
All location of known manholes, basins, and outfalls have been GIS located and added to our base map system. No illicit discharges were located during mapping and inventory. Several LID workshops and public hearings and New LID and erosion control Bylaw have been approved at Town Meeting to encourage open drainage and LID. Several old as well as new videos were shown on local access channel relative to storm water as well as television interviews with Planning Administrator and Highway Surveyor relative to LID. Town wide mailing of river awareness flyers cosponsored by Nashua River Watershed Association

Year 4
Major components of permit complete.
Information left to obtain for species habitat is forthcoming.

Year 5
See Self assessment for new accomplishments.
Waiting to hear for federal listed species.
TMDL info and recommendations coming
**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>Description</th>
<th>(Preferred Units)</th>
<th>Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stormwater management position created/staffed</td>
<td>(y/n)</td>
<td>Y</td>
</tr>
<tr>
<td>Annual program budget/expenditures **</td>
<td>INCLUDES INSPECTIONS</td>
<td>($) 8600</td>
</tr>
<tr>
<td>Total program expenditures since beginning of permit coverage</td>
<td>($)</td>
<td>15K+</td>
</tr>
<tr>
<td>Funding mechanism(s) (General Fund, Enterprise, Utility, etc)</td>
<td>GENERAL</td>
<td>REVOLVING</td>
</tr>
</tbody>
</table>

### Education, Involvement, and Training

<table>
<thead>
<tr>
<th>Description</th>
<th>(Preferred Units)</th>
<th>Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>Estimated number of property owners reached by education program(s ELECTRIC COUSTEMORS)</td>
<td>(# or %)</td>
<td>100%</td>
</tr>
<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>Y</td>
</tr>
<tr>
<td>Shoreline clean-up participation or quantity of shoreline miles cleaned **</td>
<td>(y/n or mi.)</td>
<td>10+</td>
</tr>
<tr>
<td>Shoreline cleaned since beginning of permit coverage</td>
<td>(mi.)</td>
<td>ANNUAL PROGRAM</td>
</tr>
<tr>
<td>Household Hazardous Waste Collection Days</td>
<td></td>
<td></td>
</tr>
<tr>
<td>- days sponsored **</td>
<td>(#)</td>
<td>2</td>
</tr>
<tr>
<td>- community participation **</td>
<td>(# or %)</td>
<td>20%</td>
</tr>
<tr>
<td>- material collected **</td>
<td>(tons or gal)</td>
<td>15k WORTH</td>
</tr>
<tr>
<td>School curricula implemented</td>
<td>(y/n)</td>
<td>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 bylaw</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>- Erosion &amp; Sediment Control</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>- Post-Development Stormwater Management</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>X</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Accompanying Regulation 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>
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<td></td>
<td></td>
<td></td>
<td>X</td>
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<td>- Erosion &amp; Sediment Control</td>
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<td></td>
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<td></td>
<td>X</td>
</tr>
<tr>
<td>- Post-Development Stormwater Management</td>
<td></td>
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<td></td>
<td>X</td>
</tr>
</tbody>
</table>

### Mapping and Illicit Discharges

<table>
<thead>
<tr>
<th>Outfall mapping complete</th>
<th>(%)</th>
<th>100%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Estimated or actual number of outfalls</td>
<td>(#)</td>
<td>251</td>
</tr>
<tr>
<td>System-Wide mapping complete (complete storm sewer infrastructure) BASINS+MANHOLES</td>
<td>(%)</td>
<td>100%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Mapping method(s)</th>
<th>(%)(%)</th>
<th>0</th>
</tr>
</thead>
<tbody>
<tr>
<td>Paper/Mylar</td>
<td>(%)</td>
<td>0</td>
</tr>
<tr>
<td>CADD</td>
<td>(%)</td>
<td>0</td>
</tr>
<tr>
<td>GIS</td>
<td>(%)</td>
<td>100%</td>
</tr>
<tr>
<td>Outfalls inspected/screened **</td>
<td>(# or %)</td>
<td>100%</td>
</tr>
<tr>
<td>Outfalls inspected/screened (Since beginning of permit coverage)</td>
<td>(# or %)</td>
<td>100%</td>
</tr>
<tr>
<td>Illicit discharges identified **</td>
<td>(#)</td>
<td>3</td>
</tr>
<tr>
<td>Illicit discharges identified (Since beginning of permit coverage)</td>
<td>(#)</td>
<td>3</td>
</tr>
<tr>
<td>Illicit connections removed **</td>
<td>(#); and (est. gpd)</td>
<td>3</td>
</tr>
<tr>
<td>Illicit connections removed (Since beginning of permit coverage)</td>
<td>(#); and (est. gpd)</td>
<td>3</td>
</tr>
<tr>
<td>---</td>
<td>---</td>
<td>---</td>
</tr>
<tr>
<td>% of population on sewer</td>
<td>(%)</td>
<td>10%</td>
</tr>
<tr>
<td>% of population on septic systems</td>
<td>(%)</td>
<td>90%</td>
</tr>
</tbody>
</table>

**Construction**

<table>
<thead>
<tr>
<th>Number of construction starts (&gt;1-acre) **</th>
<th>(#)</th>
<th>7</th>
</tr>
</thead>
<tbody>
<tr>
<td>Estimated percentage of construction starts adequately regulated for erosion and sediment control **</td>
<td>(%)</td>
<td>100%</td>
</tr>
<tr>
<td>Site inspections completed **</td>
<td>(# or %)</td>
<td>100%</td>
</tr>
<tr>
<td>Tickets/Stop work orders issued **</td>
<td>(# or %)</td>
<td>2</td>
</tr>
<tr>
<td>Fines collected **</td>
<td>$</td>
<td>1 @ 50</td>
</tr>
<tr>
<td>Complaints/concerns received from public **</td>
<td>(#)</td>
<td>MANY</td>
</tr>
</tbody>
</table>

**Post-Development Stormwater Management**

<table>
<thead>
<tr>
<th>Estimated percentage of development/redevelopment projects adequately regulated for post-construction stormwater control</th>
<th>(%)</th>
<th>100%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Site inspections (for proper BMP installation &amp; operation) completed **</td>
<td>(# or %)</td>
<td>100%</td>
</tr>
<tr>
<td>BMP maintenance required through covenants, escrow, deed restrictions, etc.</td>
<td>(y/n)</td>
<td>Y</td>
</tr>
<tr>
<td>Low-impact development (LID) practices permitted and encouraged</td>
<td>(y/n)</td>
<td>Y</td>
</tr>
</tbody>
</table>

**Operations and Maintenance**

<table>
<thead>
<tr>
<th>Average frequency of catch basin cleaning (non-commercial/non-arterial streets) **</th>
<th>(times/yr)</th>
<th>1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Average frequency of catch basin cleaning (commercial/arterial or other critical streets) **</td>
<td>(times/yr)</td>
<td>AS NEEDED</td>
</tr>
<tr>
<td>Qty of structures cleaned **</td>
<td>(#)</td>
<td>30+</td>
</tr>
<tr>
<td><strong>Qty. of storm drain cleaned</strong></td>
<td>(%), LF or mi.)</td>
<td>150 FEET</td>
</tr>
<tr>
<td>-------------------------------</td>
<td>-----------------</td>
<td>----------</td>
</tr>
<tr>
<td><strong>Qty. of screenings/debris removed from storm sewer infrastructure</strong></td>
<td>(lbs. or tons)</td>
<td>25 TON</td>
</tr>
<tr>
<td><strong>Disposal or use of screenings (landfill, POTW, compost, beneficial use, etc.)</strong></td>
<td>(location)</td>
<td>COMPOST</td>
</tr>
<tr>
<td><strong>Basin Cleaning Costs</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Annual budget/expenditure (labor &amp; equipment)**</td>
<td>($$)</td>
<td>GENERAL</td>
</tr>
<tr>
<td>• Hourly or per basin contract rate **</td>
<td>($/hr or $ per basin)</td>
<td>0</td>
</tr>
<tr>
<td>• Disposal cost**</td>
<td>($)</td>
<td></td>
</tr>
<tr>
<td><strong>Cleaning Equipment</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Clam shell truck(s) owned/leased</td>
<td>(#)</td>
<td>1</td>
</tr>
<tr>
<td>• Vacuum truck(s) owned/leased</td>
<td>(#)</td>
<td>0</td>
</tr>
<tr>
<td>• Vacuum trucks specified in contracts</td>
<td>(y/n)</td>
<td>0</td>
</tr>
<tr>
<td>• % Structures cleaned with clam shells **</td>
<td>(%)</td>
<td>100</td>
</tr>
<tr>
<td>• % Structures cleaned with vectar **</td>
<td>(%)</td>
<td>0</td>
</tr>
</tbody>
</table>

<p>| <strong>Average frequency of street sweeping (non-commercial/non-arterial streets)</strong> | (times/yr) | 2 |
| <strong>Average frequency of street sweeping (commercial/arterial or other critical streets)</strong> | (times/yr) | 4+ |
| <strong>Qty. of sand/debris collected by sweeping</strong> | (lbs. or tons) | 250 TON |
| <strong>Disposal of sweepings (landfill, POTW, compost, beneficial use, etc.)</strong> | (location) | COMPOST |
| <strong>Annual Sweeping Costs</strong> | | |
| • Annual budget/expenditure (labor &amp; equipment)** | ($) | BUDGET |
| • Hourly or lane mile contract rate ** | ($/hr. or ln mi.) | 0 |
| • Disposal cost** | ($) | 0 |
| <strong>Sweeping Equipment</strong> | | |
| • Rotary brush street sweepers owned/leased | (#) | 1 |
| • Vacuum street sweepers owned/leased | (#) | 0 |
| • Vacuum street sweepers specified in contracts | (y/n) | |
| • % Roads swept with rotary brush sweepers ** | % | 100 |
| • % Roads swept with vacuum sweepers ** | % | 0 |</p>
<table>
<thead>
<tr>
<th>Reduction (since beginning of permit coverage) in application on public land of:</th>
</tr>
</thead>
<tbody>
<tr>
<td>(&quot;N/A&quot; = never used; &quot;100%&quot; = elimination)</td>
</tr>
<tr>
<td>- Fertilizers</td>
</tr>
<tr>
<td>- Herbicides</td>
</tr>
<tr>
<td>- Pesticides</td>
</tr>
<tr>
<td>Integrated Pest Management (IPM) Practices Implemented</td>
</tr>
</tbody>
</table>

| Average Ratio of Anti-/De-Icing products used **                           |
| (also identify chemicals and ratios used in specific areas, e.g., water supply protection areas) |
| % NaCl                                                                     | 60            |
| % CaCl₂                                                                    | 10            |
| % MgCl₂                                                                    | 0             |
| % CMA                                                                      | 0             |
| % Kac                                                                      | 0             |
| % KCl                                                                      | 0             |
| % Sand                                                                     | 40            |

| Pre-wetting techniques utilized **                                         |
| (y/n or %)                                                                 | Y             |
| 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 %)                                                        | 20%-          |
| 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)                     |
| (%)                                                                       | 100           |
| Storage shed(s) in design or under construction                            |
| (y/n or #)                                                                | N             |
| 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>Code</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>NONE</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>N</td>
</tr>
<tr>
<td>• Treatment units induce infiltration within 500-feet of a wellhead protection area</td>
<td># or y/n</td>
<td>NONE</td>
</tr>
</tbody>
</table>