



# FAY, SPOFFORD & THORNDIKE, LLC

Engineers • Planners • Scientists • Landscape Architects • Surveyors

5 Burlington Woods  
Burlington, MA 01803

Toll Free 800.835.8666  
Tel 781.221.1000  
Fax 781.229.1115  
www.fstinc.com

April 28, 2006

United States Environmental Protection Agency  
Water Technical Unit  
P.O. Box 8127  
Boston, Massachusetts 02114

Subject: NPDES Phase II Small MS4 General Permit (MAR041164)  
Annual Report  
Taunton, Massachusetts

To Whom It May Concern:

In accordance with the provisions of the National Pollutant Discharge Elimination System (NPDES) General Permit for Stormwater Discharges from Small Municipal Separate Storm Sewer Systems (MS4s), please find enclosed the 2005 Annual Report summarizing the status of Taunton's Stormwater Management Program. As required by the NPDES General Permit, a copy of this report has also been submitted to the Massachusetts Department of Environmental Protection, the co-permitting authority for the state of Massachusetts.

Please do not hesitate to contact me with any questions or comments regarding this submission.

Very truly yours,

FAY, SPOFFORD & THORNDIKE, LLC.

By

Dianne E. Velardocchia, PE  
Senior Engineer

Enclosures: NPDES PII Small MS4 General Permit  
Annual Report

Cc: Frederic Cornaglia, ~~PE~~  
Commissioner of Public Works  
City of Taunton, MA

S:\JT-013B NPDES Annual Rpt 2006\EPA Submission Ltr 2006.doc

**Municipality/Organization:** City of Taunton

---

**EPA NPDES Permit Number:** MAR041164

---

**MaDEP Transmittal Number:** W-041086

---

**Annual Report Number  
& Reporting Period:** No. 3: May 05-May 06

---

## NPDES PII Small MS4 General Permit Annual Report

### Part I. General Information

**Contact Person:** Frederic J. Cornaglia **Title:** Commissioner

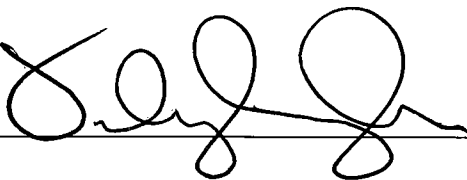
---

**Telephone #:** 508-821-1434 **Email:** dpwcomm@comcast.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:** 

---

**Printed Name:** Frederic J. Cornaglia

---

**Title:** Commissioner

---

**Date:** 4/28/06

---

**Part II. Self-Assessment**

*The City of Taunton has completed the required self-assessment and has determined that our municipality is in compliance with all permit conditions.*

## Part III. Summary of Minimum Control Measures

### 1. Public Education and Outreach

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)
1-1	Conduct an Annual Household Hazardous Waste Collection Day	Taunton Pollution Prevention Control Facility	<p><b>Spring '04/05/06/07</b></p> <ul style="list-style-type: none"> <li>Sponsor an annual household hazardous waste collection event</li> <li>Continue to develop the Taunton Recycling Information System for Taunton residents via a mass mailing on an annual basis</li> <li>Track the number of brochures distributed to residences</li> <li>Annually send a press release advertising the event to local media whether or not it was published.</li> <li>Advertise the event on the local cable access station or radio</li> <li>Maintain and update the City's web page.</li> <li>Track the amounts and types of waste collected each year</li> <li>Track the number of Taunton vehicles that participate</li> </ul>
1-2	Distribute a Series of Educational Flyers	Taunton Conservation Commission Taunton Environmental Awareness Movement Taunton Municipal Lighting Plant Taunton Webmaster	<p><b>Summer '04/06</b> <b>Revise dates to Summer '06/07</b></p> <ul style="list-style-type: none"> <li>Track number of flyers distributed each year.</li> <li>Post the electronic version of the flyer on the City's web page</li> </ul>
Revised			<i>This BMP was not performed as originally scheduled because of staff changes during Permit Year 3. The schedule has been revised accordingly.</i>
1-3	Post Educational Information on the City's Web Site	Taunton Department of Public Works Taunton Conservation Commission Taunton Planning Department Taunton Ecology Awareness Movement	<p><b>Spring '03 – Winter '07/08</b></p> <ul style="list-style-type: none"> <li>Post stormwater related information on the Green Page</li> <li>Update web site regularly.</li> </ul>
1-4	Promoting Water Conservation Practices for Homeowners	Taunton Water Department	<p><b>Spring '03 – Winter '07/08</b></p> <ul style="list-style-type: none"> <li>Maintain and update the water conservation tips on the City's web page</li> <li>Continue to use local newspapers to promote water conservation reminders that are placed in newspapers</li> </ul>
1-5	Participate in the Annual Ecology Fair	Taunton Conservation Commission Taunton Department of Public Works Taunton Water Department Taunton Ecology Awareness Movement	<p><b>Fall '04, Spring '05/06/07</b> <b>Revise dates to Fall '04, Fall '06, Spring '07</b></p> <ul style="list-style-type: none"> <li>Submit a press release advertising the event to the Taunton Journal</li> <li>Track the number and type of educational materials that are distributed at the Water Quality Booth at the Taunton Ecology Fair.</li> </ul>
Revised			<i>This BMP was not performed as originally scheduled because of staff changes during Permit Year 3. The schedule has been revised accordingly.</i>

#### 1a. Additions

No additions to report at this time.

	<b>Progress on Goal(s) – Permit Year 3</b> (Reliance on non-municipal partners indicated, if any)	<b>Planned Activities – Permit Year 4</b>
<p>on day. brochure and distribute to all via the mass mailing each year. e <i>Taunton Gazette</i> and track in annual basis. r. the event each year.</p>	<ul style="list-style-type: none"> <li>The hazardous waste collection day occurred on April 30, 2005.</li> <li>The 2005 Taunton Recycling Information brochure was developed and distributed to all Taunton residents via a mass mailing.</li> <li>A press release was sent to the <i>Taunton Gazette</i>.</li> <li>The event was advertised on the local cable access station.</li> <li>A listing of the amounts and types of wastes collected during the event was produced by Clean Harbors and is maintained at the Taunton Wastewater Treatment Facility.</li> </ul>	<ul style="list-style-type: none"> <li>Activities to proceed as noted in the Measurable Goal's column. The hazardous waste collection day is scheduled for April 29, 2006.</li> </ul>
<p>page. ----- <i>of staff turnover and a lack of shown above.</i></p>	<ul style="list-style-type: none"> <li>Flyers were not distributed during Permit Year 3.</li> </ul>	<ul style="list-style-type: none"> <li>Activities to proceed as noted in the Measurable Goal's column.</li> </ul>
<p>web site.</p>	<ul style="list-style-type: none"> <li>This web site contains a variety of environmental information related to stormwater issues including links to pertinent environmental websites and information on the Town's SWMP.</li> </ul>	<ul style="list-style-type: none"> <li>Activities to proceed as noted in the Measurable Goal's column.</li> </ul>
<p>Water Department's web page. ervation and track the number of rs each year.</p>	<ul style="list-style-type: none"> <li>Water conservation tips were regularly maintained and updated on the Water Department's web page.</li> </ul>	<ul style="list-style-type: none"> <li>Activities to proceed as noted in the Measurable Goal's column.</li> </ul>
<p>n <i>Gazette</i>. re distributed by the City's Storm ----- <i>of staff turnover and a lack of shown above.</i></p>	<ul style="list-style-type: none"> <li>The Ecology Fair did not occur because of staff turnover during Permit Year 3.</li> </ul>	<ul style="list-style-type: none"> <li>The Ecology Fair will occur this year in conjunction with the Harvest Festival this fall.</li> </ul>

## 2. Public Involvement and Participation

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)
2-1	Public Access to SWMP & Receipts of Comments	Taunton Superintendent of Public Works Taunton Webmaster	<p><b>Summer '03</b></p> <ul style="list-style-type: none"> <li>• Make draft SWMP available to the public and conduct</li> <li>• Finalize SWMP.</li> </ul> <p><b>Summer '04 – Winter '07/08</b></p> <ul style="list-style-type: none"> <li>• Make the Final SWMP accessible to the public via the Sherman Operations Center, and web page.</li> </ul>
2-2	Co-Sponsor Annual River Cleanup	Taunton Conservation Commission Taunton Department of Public Works Taunton Ecology Awareness Movement	<p><b>Fall '03/04/05/06/07</b></p> <ul style="list-style-type: none"> <li>• Send press releases to the <i>Taunton Gazette</i>, the <i>Brockton</i> newspapers.</li> <li>• Track the number of cleanup volunteers and supporting</li> <li>• Track the number/length of streams cleaned.</li> <li>• Track the quantity and types of waste collected as a res</li> <li>• Indicate the water quality at the river cleanup sites.</li> </ul>
2-3	Co-Sponsor Annual Citywide Cleanup	Taunton Conservation Commission Taunton Department of Public Works Taunton Ecology Awareness Movement	<p><b>Spring '03/04/05/06/07</b></p> <ul style="list-style-type: none"> <li>• Send press releases to the <i>Taunton Gazette</i>, the <i>Brockton</i> newspapers.</li> <li>• Track the number of cleanup participants.</li> <li>• Track the areas cleaned.</li> <li>• Track the quantity and types of waste collected as a res</li> </ul>
2-4	Conduct Local Water Quality Monitoring Activities	Taunton Department of Public Works USFilter Taunton River Watershed Alliance	<p><b>Spring '04 – Winter '07/08</b></p> <ul style="list-style-type: none"> <li>• Identify sampling areas.</li> <li>• Collect and analyze samples.</li> <li>• Report high fecal coliform counts to responsible parties</li> <li>• Draft an Annual Water Quality Report for the City of T</li> </ul>
2-5	Conduct Attitude Surveys	Taunton Conservation Commission Taunton Ecology Awareness Movement	<p><b>Summer - Fall '04 &amp; '07</b></p> <ul style="list-style-type: none"> <li>• Identify the locations throughout the City where the sto available for completion.</li> <li>• Send a press release explaining the stormwater awarene</li> <li>• Track the number of completed surveys.</li> <li>• Compile surveys in order to gauge any change in attitud issues.</li> </ul>
2-6	Co-Sponsor Storm Drain Stenciling Activities	Taunton Department of Public Works Taunton Conservation Commission Taunton Ecology Awareness Movement	<p><b>Summer '05/07</b></p> <ul style="list-style-type: none"> <li>• Identify areas where stenciling will take place and estab</li> <li>• Track the number of drains stenciled each year.</li> <li>• Track the number of volunteers assisted in the stenciling</li> <li>• Summarize the condition of the inlet surveyed.</li> <li>• Publicize storm drain stenciling event(s) via a press rele</li> </ul>

### 2a. Additions

No additions to report at this time.

	<b>Progress on Goal(s) – Permit Year 3</b> (Reliance on non-municipal partners indicated, if any)	<b>Planned Activities – Permit Year 4</b>
<p>Public comment period.</p> <p>City's public library, Craig C.</p>	<ul style="list-style-type: none"> <li>The Final SWMP was made accessible to the public via the City's public library and the Craig C. Sherman Operations Center.</li> </ul>	<ul style="list-style-type: none"> <li>Activities to proceed as noted in the Measurable Goal's column.</li> </ul>
<p>Enterprise and other local businesses.</p> <p>of the cleanup event.</p>	<ul style="list-style-type: none"> <li>In November, TEAM organized a shoreline clean-up of the Mill River.</li> </ul>	<ul style="list-style-type: none"> <li>As part of Earth Day on April 29, 2006, TEAM will organize a clean-up of the Mill River and/or the Three Mile River.</li> </ul>
<p>Enterprise and other local businesses.</p> <p>of the cleanup event.</p>	<ul style="list-style-type: none"> <li>Volunteers conducted a city-wide clean-up, collecting trash and debris.</li> <li>Materials collected include tires, appliances, litter, clothing, bottles &amp; cans, car parts.</li> </ul>	<ul style="list-style-type: none"> <li>Activities to proceed as noted in the Measurable Goal's column.</li> </ul>
<p>Taunton.</p>	<ul style="list-style-type: none"> <li>The 2005 water quality-monitoring activities were summarized in the 2005 Annual Water Quality Report that is available through the Taunton Wastewater Treatment Facility. The report identifies sampling areas and results of analyses.</li> </ul>	<ul style="list-style-type: none"> <li>Activities to proceed as noted in the Measurable Goal's column.</li> </ul>
<p>Stormwater awareness survey is being conducted. Survey to the local newspapers. Behavior regarding stormwater.</p>	<p><i>No activities were scheduled for Permit Year 3.</i></p>	<p><i>No activities scheduled for Permit Year 4.</i></p>
<p>When schedule for the activity. Activity. Refer to local newspapers.</p>	<ul style="list-style-type: none"> <li>Storm drain stenciling was not performed during Permit Year 3 because of a lack of staff and staffing turnover.</li> </ul>	<p><i>No activities scheduled for Permit Year 4.</i></p>

### 3. Illicit Discharge Detection and Elimination

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)
3-1	Field Verify Outfall Locations	Taunton Department of Public Works	<p><b>Spring '05 – Winter '07/08</b>  <b>Revise date to Spring '06 – Winter '07/08</b></p> <ul style="list-style-type: none"> <li>• Develop a schedule for outfall verification and outfall id</li> <li>• Perform and track the outfall verification and outfall id scheduled.</li> <li>• Continuously update the storm drainage system map as municipal storm drainage system.</li> </ul>
<b>Revised</b>			<p><i>Dates have been revised because of a lack of staff and staff</i></p>
3-2	Adopt a Stormwater Ordinance	Taunton Planning Department Taunton Conservation Commission Taunton Engineering Department	<p><b>Winter '04/05</b>  <b>Revise date to Winter '06/07</b></p> <ul style="list-style-type: none"> <li>• Draft the Stormwater Ordinance.</li> </ul> <p><b>Spring '05</b>  <b>Revise date to Spring '07</b></p> <ul style="list-style-type: none"> <li>• Present the Stormwater Ordinance for a vote of accepta</li> </ul> <p><b>Spring '05 – Winter '07/08</b>  <b>Revise date to Spring '07 – Winter '07/08</b></p> <ul style="list-style-type: none"> <li>• Track the number of enforcement actions taken.</li> <li>• Post Stormwater Ordinance on Town's web site.</li> </ul>
<b>Revised</b>			<p><i>Dates have been revised as shown above.</i></p>
3-3	Implement an Illicit Discharge Detection and Elimination Plan	Taunton Department of Public Works	<p><b>Spring '04 Winter '04/05</b></p> <ul style="list-style-type: none"> <li>• In August 2003, the City applied for SRF funding via a The proposed project consisted of 1) I/I Abatement and The project did not make the initial Intended Use Plan pursued this funding by providing additional informati public hearing conducted by the DEP in Boston on Jan was announced that the City's project had been include</li> <li>• It is anticipated that during 2004, the City will survey a "identify sanitary discharges to the storm drains. Home be disconnected.</li> </ul>
<b>Revised</b>			<p><b>Spring '05-Summer '05</b></p> <ul style="list-style-type: none"> <li>• The City has identified/confirmed 25 illicit cross-conne summer under the Phase I Sewer Rehabilitation Project 12 cross-connected catch basins by removing their disc system.</li> <li>• As part of Phase II, the City plans to survey approximat sanitary discharges to the storm drains and will perform to identify I/I.</li> </ul> <p><b>Spring '06-Fall '06</b></p> <ul style="list-style-type: none"> <li>• Based on the results of the Phase II survey, the City wil rehabilitation. Activities will include sealing pipes and frames and covers. It is estimated this project will remc 200,000 gpd of I/I.</li> <li>• At Lake Sabbatia, homes along the lake will be tied into</li> </ul>



	<b>Progress on Goal(s) – Permit Year 3</b> (Reliance on non-municipal partners indicated, if any)	<b>Planned Activities – Permit Year 4</b>
<p>notification activities. notification activities as new components are added to the ----- never during Permit Year 3.</p>	<ul style="list-style-type: none"> <li>No activities were performed on this activity during Permit Year 3.</li> </ul>	<ul style="list-style-type: none"> <li>Activities to proceed as noted in the Measurable Goal's column.</li> </ul>
<p>at the Municipal Council. -----</p>	<ul style="list-style-type: none"> <li>A Stormwater Ordinance was not developed during Permit Year 3.</li> </ul>	<ul style="list-style-type: none"> <li>Activities to proceed as noted in the Measurable Goal's column.</li> </ul>
<p>Project Evaluation Form (PEF). ) Cross Connection Elimination. IP) for 2004. The City further and testifying at the 2004 IUP y 27, 2004. In March 2004, it on the 2004 IUP list. roximately 200 homes to identified with connections will ----- ions, which will be removed this There will also be separation of rges from the sanitary sewer  y 600 homes to identify possible V inspections of the sewer lines  xpend \$400,000 on sewer anholes and replacing leaking : approximately 150,000 to  se sewer extension.</p>	<ul style="list-style-type: none"> <li>The City identified/confirmed 25 illicit cross-connections, which were removed during Summer 2005 under the Phase I Sewer Rehabilitation Project. Twelve cross-connected catch basins were separated from the sanitary sewer system.</li> <li>As part of Phase II, the City surveyed approximately 600 homes to identify possible sanitary discharges to the storm drains and performed TV inspections of the sewer lines to identify I/I.</li> </ul>	<ul style="list-style-type: none"> <li>Activities to proceed as noted in the Measurable Goal's column.</li> </ul>

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)
3-4	Establish a Formal Septic System Management Program (SSMP)	Taunton Board of Health Mayor's Office of Community Development	<p><b>Spring '03 – Winter '07/08</b></p> <ul style="list-style-type: none"> <li>• Track the number of septic system pumping companies</li> <li>• Track the number of septic system installers that are lic</li> <li>• Track the number of Certificates of Compliance issued</li> <li>• Track the number of failed septic systems identified ea</li> <li>• Track the number of property owners that participate in</li> <li>• Host the Septic System Maintenance Workshop.</li> <li>• Track the number of attendees at each Septic System M</li> </ul>
3-5	Conduct I/I Removal in the Sanitary Sewer System	Taunton Department of Public Works	<p><b>Fall '04</b></p> <p><b>Revise date to Fall '06</b></p> <ul style="list-style-type: none"> <li>• Complete the Comprehensive Wastewater Managemen</li> </ul> <p><b>Summer '05</b></p> <p><b>Revise date to Fall '06</b></p> <ul style="list-style-type: none"> <li>• Evaluate the recommendations made in the Compreher Study and develop a plan to perform the recommended</li> </ul> <p><b>Summer '05 – Winter '07/08</b></p> <p><b>Revise date to Spring '07 – Winter '07/08</b></p> <ul style="list-style-type: none"> <li>• Track the City's sanitary sewer capital improvement pr</li> </ul>
<b>Revised</b>			<p><i>The schedule has been revised as shown above.</i></p>

### 3a. Additions

No additions to report at this time.

	<b>Progress on Goal(s) – Permit Year 3</b> (Reliance on non-municipal partners indicated, if any)	<b>Planned Activities – Permit Year 4</b>
<p>censed by the City each year.  sed by the City each year.  ch year.  year and action taken.  he HSRLP.</p> <p>aintenance Workshop.</p>	<ul style="list-style-type: none"> <li>• There were 42 septic system-pumping companies &amp; 64 septic system installers licensed by the City.</li> <li>• 191 Disposal Work Construction Permits were issued.</li> <li>• 37 Title V failed septic systems were identified. The corresponding property owners were issued Failure Order Notices (FON) and informed they had two years to upgrade their systems or tie into the City's sanitary sewer system. The BOH will track the properties compliance with these FONs.</li> <li>• Only 5 property owners participated in the HSRLP during 2005.</li> <li>• Septic System Maintenance Workshop were not conducted during 2005.</li> </ul>	<ul style="list-style-type: none"> <li>• Activities to proceed as noted in the Measurable Goal's column.</li> </ul>
<p>study.</p> <p>ve Wastewater Management  activities.</p> <p>ects conducted.</p>	<ul style="list-style-type: none"> <li>• The Comprehensive Wastewater Management Study was not completed during Permit Year 3.</li> </ul>	<ul style="list-style-type: none"> <li>• Activities to proceed as noted in the Measurable Goal's column.</li> </ul>

#### 4. Construction Site Stormwater Runoff Control

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)
4-1	Develop a Site Inspection Form and Conduct Site Inspections	Taunton Planning Board Taunton Engineering Department Taunton Conservation Commission	<p><i>Spring '05 – Winter '07/08</i>  <b>Revise Date to Spring '07 – Winter '07/08</b></p> <ul style="list-style-type: none"> <li>• Develop a Site Inspection Form that reflects the ESC.</li> <li>• Track the frequency of inspections conducted for each</li> <li>• Track the completion of inspection forms.</li> <li>• Track the number of failed ESC BMPs discovered on e</li> </ul>
Revised			<p><i>Dates have been revised to correspond with the adoption of (BMP 3-2)</i></p>
4-2	Develop and Implement a Citizen Tip Line	Taunton Department of Public Works Taunton Web Master	<p><b>Spring '05</b>  <b>Revise Date to Spring '06 – Winter '07/08</b></p> <ul style="list-style-type: none"> <li>• Establish the Citizen Tip Line.</li> <li>• Advertise the Citizen Tip Line.</li> <li>• Track the number of complaints received via the Citize</li> <li>• Track the problems/incidents remedied as a result of th</li> <li>• Advertise that DPW will accept calls on stormwater iss</li> <li>• Track the number of complaints received at the DPW r</li> <li>• Track the problems/incidents remedied as a result of ca</li> </ul>
Revised			<p><i>This BMP has been revised because the DPW currently acco therefore, a Citizen Tip Line was believed not to be necessa has been revised as shown above.</i></p>

#### 4a. Additions

No additions proposed at this time.

	<b>Progress on Goal(s) – Permit Year 3</b> (Reliance on non-municipal partners indicated, if any)	<b>Planned Activities – Permit Year 4</b>
<p>e. h site. e Stormwater Ordinance</p>	<p><i>No activities scheduled for Permit Year 3.</i></p> <p>It should be noted that the Planning Board assigns an engineer to a proposed project to inspect the site and provide reports to the Planning Board. The engineer ensures that erosion and sedimentation control measures and construction standards are met.</p>	<p><i>No activities scheduled for Permit Year 4.</i></p>
<p>Tip Line. Citizen Tip Line. s arding stormwater issues. to the DPW. ts calls on several issues, and The implementation schedule</p>	<ul style="list-style-type: none"> <li>• A Citizen Tip Line was not established during Permit Year 3.</li> </ul>	<ul style="list-style-type: none"> <li>• Activities to proceed as noted in the Measurable Goal's column.</li> </ul>

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

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)
5-1	Revise Site Plan Review Submission Requirements & Procedures	Taunton Planning Department Taunton Planning Board Taunton Municipal Council	<p><i>Summer '04</i>  <i>Revise date to Winter '05/06</i></p> <ul style="list-style-type: none"> <li>• Develop the amendment to Section XV of the Zoning C</li> </ul> <p><i>Fall '04</i>  <i>Revise date to Spring '07</i></p> <ul style="list-style-type: none"> <li>• Submit the amendment to the Planning Board and hold</li> <li>• Submit the proposed amendment to the Municipal Cou.</li> </ul> <p>Bylaw.</p>
Revised			<p><i>Dates have been revised to correspond with the adoption of (BMP 3-2)</i></p>

### 5a. Additions

No additions proposed at this time.

	<b>Progress on Goal(s) – Permit Year 3</b> (Reliance on non-municipal partners indicated, if any)	<b>Planned Activities – Permit Year 4</b>
finance (Site Plan Review).  public hearing. il for acceptance into the Zoning  <i>the Stormwater Ordinance</i>	<ul style="list-style-type: none"> <li>No activities were performed on this BMP during Permit Year 3.</li> </ul>	<i>No activities scheduled for Permit Year 4.</i>

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

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)
6-1	Develop a Formal Training Program for DPW Staff	Taunton Department of Public Works	<p><b>Spring '05</b>  <b>Revise date to Spring '06</b></p> <ul style="list-style-type: none"> <li>Establish a formal training program for DPW employees</li> </ul> <p><b>Spring '05 – Winter '07/08</b>  <b>Revise date to Spring '06 – Winter '07/08</b></p> <ul style="list-style-type: none"> <li>Conduct training sessions with all current employees.</li> <li>Train all new DPW employees in accordance with the t</li> <li>Track the number of employees trained.</li> <li>Conduct refresher training for employees after every tw</li> </ul> <p><i>The implementation schedule has been revised as shown ab</i></p>
Revised			
6-2	Develop a Formal Catch Basin Cleaning Program	Taunton Department of Public Works Highway Division	<p><b>Spring '05 – Winter '07/08</b>  <b>Revise date to Spring '06 – Winter '07/08</b></p> <ul style="list-style-type: none"> <li>Use a street inventory to prioritize catch basins for clea</li> <li>Clean a minimum of ten percent of catch basins per yea</li> <li>Document annual cleaning activities.</li> </ul> <p><i>The implementation schedule has been revised as shown ab</i></p>
Revised			
6-3	Upgrade the Existing Parking Lot & Street Sweeping Program	Taunton Department of Public Works Highway Division	<p><b>Spring '04</b></p> <ul style="list-style-type: none"> <li>Purchase a second street sweeper.</li> </ul> <p><b>Summer '04 – Winter '07/08</b></p> <ul style="list-style-type: none"> <li>Conduct an inventory of all publicly owned streets and</li> <li>Annually update and prioritize streets and lots for swee</li> <li>Develop a schedule for conducting sweeping activities.</li> <li>Track the streets and lots that are swept each year.</li> <li>Maintain a log of the disposed materials</li> </ul>
6-4	Develop a Vehicle & Equipment Maintenance Policy	Taunton Department of Public Works	<p><b>Spring '05</b>  <b>Revise date to Spring '06</b></p> <ul style="list-style-type: none"> <li>Develop and implement a vehicle and equipment maint policy requirements into the DPW employee-training p</li> </ul> <p><i>The implementation schedule has been revised as shown ab</i></p>
Revised			
6-5	Develop a Vehicle & Equipment Cleaning Policy	Taunton Department of Public Works	<p><b>Spring '05</b>  <b>Revise date to Spring '06</b></p> <ul style="list-style-type: none"> <li>Develop and implement a vehicle and equipment clean DPW employee-training manual.</li> <li>Develop and implement a vehicle and equipment maint policy requirements into the DPW employee-training p</li> </ul> <p><i>The implementation schedule has been revised as shown ab</i></p>
Revised			

### 6a. Additions

No additions proposed at this time.



	<b>Progress on Goal(s) – Permit Year3</b> (Reliance on non-municipal partners indicated, if any)	<b>Planned Activities – Permit Year 4</b>
ining program requirements. years of employment. e.	<ul style="list-style-type: none"> <li>An employee training program was not developed due to a lack of staff and staffing turnover.</li> </ul>	<ul style="list-style-type: none"> <li>Activities to proceed as noted in the Measurable Goal's column.</li> </ul>
ng by street. e.	<ul style="list-style-type: none"> <li>A formal catch basin cleaning was not developed due to a lack of staff and staffing turnover. During Permit Year 3, catch basins located in problem areas (i.e. areas with flooding or excessive sediment) and near culverts were cleaned.</li> </ul>	<ul style="list-style-type: none"> <li>Activities to proceed as noted in the Measurable Goal's column.</li> </ul>
rking lots. ng activities.	<ul style="list-style-type: none"> <li>DPW staff regularly sweeps problem areas, municipal parking lots, the downtown area, and major roads, as weather permits.</li> </ul>	<ul style="list-style-type: none"> <li>Activities to proceed as noted in the Measurable Goal's column.</li> </ul>
ance policy and incorporate gram. 2.	<ul style="list-style-type: none"> <li>A vehicle and equipment maintenance policy was not developed due to a lack of staff and staffing turnover. The DPW stores waste oil in drums and uses pans and absorbent pads when changing the oil in vehicles.</li> </ul>	<ul style="list-style-type: none"> <li>Activities to proceed as noted in the Measurable Goal's column.</li> </ul>
; policy and place policy in the ance policy and incorporate gram. 2.	<ul style="list-style-type: none"> <li>A vehicle and equipment cleaning policy was not developed due to a lack of staff and staffing turnover. Currently the City's vehicles are cleaned in a wash bay located at the DPW facility. The washwater from these activities is deposited into a controlled separator before being discharged to the sanitary sewer system.</li> </ul>	<ul style="list-style-type: none"> <li>Activities to proceed as noted in the Measurable Goal's column.</li> </ul>

**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 2 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 3
Revised					
Revised					
Revised					
Revised					
Revised					
Revised					
Revised					

**7a. Additions**


**7b. WLA Assessment**

#### Part IV. Summary of Information Collected and Analyzed

Each year the Taunton Department of Public Works, US Filter, and Taunton River Watershed Alliance conduct water quality monitoring activities and include the data in an annual report. The Annual Water Quality Report For the City of Taunton – Taunton River & Tributaries – 2005 was completed in early 2006 and contained a variety of information.

A total of sixteen sites have been sampled, historically. During 2005, seven sites were sampled. Samples are taken at bridges due to safety considerations and accessibility for parking. These sites were chosen to cover a representative area of the City's waterways, to include any known problem areas or areas of critical concern, and to target areas where no previous water quality data existed. Monitoring parameters include temperature, total phosphorus, fecal coliform bacteria, dissolved oxygen, nitrate-nitrogen, total suspended solids and pH. Measurable goals for the water quality monitoring activities are identified in BMP 2-4. One of the measurable goals indicates that high fecal coliform counts will be reported to the responsible parties. Included in this section are the monitoring locations and a summary of the fecal coliform bacteria counts taken during 2005.

<b>STREET/BRIDGE LOCATION</b>	<b>RIVER</b>	<b>Miles from Taunton River</b>	<b>ID</b>
SOMERSET AVE, RT. 138	THREE MILE	0.4	TMR004
ROUTE 44/COHANNET ST.	THREE MILE	3.4	TMR034
INGELL ST.	MILL	0.0	MIL000
<b>STREET/BRIDGE LOCATION</b>	<b>RIVER</b>	<b>Miles from Berkley Bridge</b>	<b>ID</b>
CENTER ST., BERKLEY BRIDGE	TAUNTON RIVER	0.0	TNT000
PLAIN ST., TAUNTON	TAUNTON RIVER	4.3 North	TNT043
LAZY COVE	TAUNTON RIVER	4.5 South	LZ
RT. 79, ASSONET CENTER BRIDGE	ASSONET RIVER		ASO030

**FECAL COLIFORM BACTERIA 2004 (colonies/100 ml. sample)**

Site	March	April	May	June	August	Sept	Oct	Nov
TNT 000	152	92	140	160	76	64*	520*	700
TMR 004	1140	20*	40*	84	440	189	585*	60*
TMR 034	56*	12*	24*	48*	64	72*	775*	45*
ASO030	0	8*	16*	40*	NA	32*	380*	5*
TNT 043	44*	108	660	1380*	360	740*	1135*	190
MIL 000	1460*	340*	360*	380*	NA	2250*	730*	1140
LZ		4*	12*	64*	NA	420	585*	40*

\* = Count is estimated because number of colonies present were outside of the accepted range of 20-60/plate.

**Part V. Program Outputs & Accomplishments (OPTIONAL)**

**Programmatic**

Stormwater management position created/staffed	(y/n)	No
Annual program budget/expenditures	(\$)	

**Education, Involvement, and Training**

Estimated number of residents 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.)	
Household Hazardous Waste Collection Days		
▪ days sponsored	(#)	
▪ community participation	(%)	
▪ material collected	(tons or gal)	
School curricula implemented	(y/n)	

**Legal/Regulatory**

	In Place Prior to Phase II	Under Review	Drafted	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**

Outfall mapping complete	(%)	
Estimated or actual number of outfalls	(#)	
System-Wide mapping complete	(%)	
Mapping method(s)		
▪ Paper/Mylar	(%)	
▪ CADD	(%)	
▪ GIS	(%)	100%
Outfalls inspected/screened	(# or %)	
Illicit discharges identified	(#)	
Illicit connections removed	(#)	
	(est. gpd)	
% of population on sewer	(%)	40%
% of population on septic systems	(%)	60%

### Construction

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 completed	(# or %)	
Estimated volume of stormwater recharged	(gpy)	

### 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)	
Total number of structures cleaned	(#)	
Storm drain cleaned	(LF or mi.)	
Qty. of screenings/debris removed from storm sewer infrastructure	(lbs. or tons)	
Disposal or use of sweepings (landfill, POTW, compost, recycle for sand, beneficial use, etc.)		
Cost of screenings disposal	(\$)	

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)	
Cost of sweepings disposal	(\$)	
Vacuum street sweepers purchased/leased	(#)	
Vacuum street sweepers specified in contracts	(y/n)	

Reduction in application on public land of: ("N/A" = never used; "100%" = elimination)		
▪ Fertilizers	(lbs. or %)	
▪ Herbicides	(lbs. or %)	
▪ Pesticides	(lbs. or %)	

Anti-/De-Icing products and ratios	% NaCl % CaCl <sub>2</sub> % MgCl <sub>2</sub> % CMA % Kac % KCl % Sand	
Pre-wetting techniques utilized	(y/n)	No
Manual control spreaders used	(y/n)	Yes
Automatic or Zero-velocity spreaders used	(y/n)	No
Estimated net reduction in typical year salt application	(lbs. or %)	
Salt pile(s) covered in storage shed(s)	(y/n)	Yes
Storage shed(s) in design or under construction	(y/n)	