

**Municipality/Organization:** City of Taunton  
**EPA NPDES Permit Number:** MAR041164  
**MassDEP Transmittal Number:** W-041086  
**Annual Report Number Year 8  
& Reporting Period:** April 1, 2010 – March 31, 2011

## NPDES PII Small MS4 General Permit Annual Report (Due: May 1, 2011)

### Part I. General Information

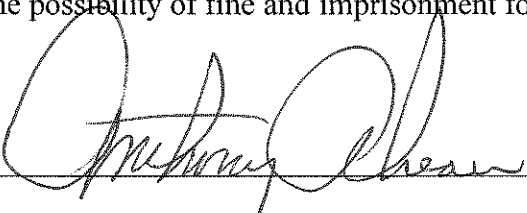
Contact Person: Anthony Abreau Title: Assistant Commissioner

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

Mailing Address: 90 Ingell Street, Taunton, MA 02780

#### 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: Anthony Abreau

Title: Assistant Commissioner

Date: 4/27/2011

## **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, except for the following provisions:

**Part II.B.1-6** Any Provisions of Part II.B.1-6 that have not been met are detailed in Part III below.

**Part II.B.8** The Town encourages BMPs that promote groundwater recharge and Standard 3 of the state Storm Water Management Policy. However, specific groundwater recharge/infiltration policies have not yet been developed.

**Part III. Summary of Minimum Control Measures**

**1. Public Education and Outreach**

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 8 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 9
1-1	Conduct an Annual Household Hazardous Waste Collection Day	Taunton Pollution Prevention Control Facility	Spring '04/05/06/07 <ul style="list-style-type: none"> <li>• Sponsor an annual household hazardous waste collection day.</li> <li>• Continue to develop the Taunton Recycling Information brochure and distribute to all Taunton residents via a mass mailing on an annual basis.</li> <li>• Track the number of brochures distributed to residences via the mass mailing each year.</li> <li>• Annually send a press release advertising the event to the <i>Taunton Gazette</i> and track whether or not it was published.</li> <li>• Advertise the event on the local cable access station on an annual basis.</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 in the event each year.</li> </ul>	<ul style="list-style-type: none"> <li>• The hazardous waste collection day was held on April 24, 2010.</li> <li>• The event was advertised in the <i>Taunton Gazette</i>, local cable access station, and a flyer was distributed in the yearly DPW mailing for trash collection days. In addition, a flyer was posted at supermarkets and in schools.</li> <li>• 126 vehicles participated in the event in 2010.</li> <li>• Some of the items collected include solvents, paint thinners, gasoline, kerosene, fluorescent light bulbs, and antifreeze.</li> <li>• The City of Taunton distributes recycling bins to residents at the Department of Public Works.</li> </ul>	<ul style="list-style-type: none"> <li>• The hazardous waste collection day is scheduled for Saturday, April 23, 2011.</li> </ul>
Revised					
1-2	Distribute a Series of Educational Flyers	Taunton Conservation Commission Taunton Environmental Awareness Movement Taunton Municipal Lighting Plant Taunton Webmaster	Summer '06/07 <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>	<ul style="list-style-type: none"> <li>• Educational flyers titled "After the Storm" were published. They were made available at the Department of Public Works and the Planning and Conservation Department.</li> <li>• A poster titled "Stormwater and the Construction Industry" was displayed in the Department of Public Works and the Planning and Conservation Department.</li> <li>• An electronic version of the flyers and posters on available on the City of Taunton's web page.</li> </ul>	<ul style="list-style-type: none"> <li>• The City of Taunton will continue to make the "After the Storm" flyer and will continue to display the "Stormwater and the Construction Industry" poster at the Department of Public Works and the Planning and Conservation Department.</li> <li>• The City of Taunton will create a brochure on FOG – Fats, Oils and Grease and will mail 15,000 copies to residents.</li> </ul>
Revised					
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	Spring '03 – Winter '07/08 <ul style="list-style-type: none"> <li>• Post stormwater related information on the Green Page web site.</li> <li>• Update web site regularly.</li> </ul>	<ul style="list-style-type: none"> <li>• The City of Taunton has created a webpage dedicated to stormwater. The page includes links to environmental websites and provides a variety of environmental information related to stormwater.</li> </ul>	<ul style="list-style-type: none"> <li>• The City of Taunton will continue to maintain the stormwater web page.</li> </ul>
Revised			<ul style="list-style-type: none"> <li>• Post stormwater related information on the City of Taunton web site.</li> </ul>		
1-4	Promoting Water Conservation Practices for Homeowners	Taunton Water Department	Spring '03 – Winter '07/08 <ul style="list-style-type: none"> <li>• Maintain and update the water conservation tips on the Water Department's web page.</li> <li>• Continue to use local newspapers to promote water conservation and track the number of water conservation reminders that are placed in newspapers each year.</li> </ul>	<ul style="list-style-type: none"> <li>• Water conservation tips have been included on the stormwater webpage.</li> </ul>	<ul style="list-style-type: none"> <li>• The City of Taunton will continue to maintain the stormwater web page.</li> </ul>
Revised					
1-5	Participate in the Annual Ecology Fair	Taunton Conservation Commission Taunton Department of Public Works Taunton Water Department Taunton Ecology Awareness Movement	Fall '04, Fall '06, Spring '07 <ul style="list-style-type: none"> <li>• Submit a press release advertising the event to the <i>Taunton Gazette</i>.</li> <li>• Track the number and type of educational materials that are distributed by the City's Storm Water Quality Booth at the Taunton Ecology Fair.</li> </ul>	<ul style="list-style-type: none"> <li>• The Taunton River Festival was held on Saturday, June 5, 2010. Taunton River Watershed Alliance had an educational booth at this event.</li> </ul>	<ul style="list-style-type: none"> <li>• The Taunton River Festival will be held on Saturday, June 4, 2011. Taunton River Watershed Alliance is planning to host an educational booth at this event.</li> </ul>
Revised					

**1a. Additions**

There are no additions at this time.

**2. Public Involvement and Participation**

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 8 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 9
2-1	Public Access to SWMP & Receipts of Comments	Taunton Superintendent of Public Works Taunton Webmaster	Summer '03 <ul style="list-style-type: none"> <li>Make draft SWMP available to the public and conduct public comment period.</li> <li>Finalize SWMP.</li> </ul> Summer '04 – Winter '07/08 <ul style="list-style-type: none"> <li>Make the Final SWMP accessible to the public via the City's public library, Craig C. Sherman Operations Center, and web page.</li> </ul>	<ul style="list-style-type: none"> <li>The Final SWMP is located at the City's public library.</li> </ul>	<ul style="list-style-type: none"> <li>Activities to proceed as noted in the Measurable Goal's column.</li> </ul>
Revised					
2-2	Co-sponsor Annual River Cleanup	Taunton Conservation Commission Taunton Department of Public Works Taunton Ecology Awareness Movement	Fall '03/04/05/06/07 <ul style="list-style-type: none"> <li>Send press releases to the <i>Taunton Gazette</i>, the <i>Brockton Enterprise</i> and other local newspapers.</li> <li>Track the number of cleanup volunteers and supporting businesses.</li> <li>Track the number/length of streams cleaned.</li> <li>Track the quantity and types of waste collected as a result of the cleanup event.</li> <li>Indicate the water quality at the river cleanup sites.</li> </ul>	<ul style="list-style-type: none"> <li>As part of the Citywide Cleanup, a portion of the Mill River was cleaned on April 17, 2010.</li> <li>Press releases were sent to local newspapers.</li> <li>The number of volunteers, supporting businesses, number/length of streams, and quantity and type of waste collected were tracked.</li> <li>The water quality monitoring was performed by the Taunton River Watershed Alliance and Veolia Water.</li> </ul>	<ul style="list-style-type: none"> <li>Activities to proceed as noted in the Measurable Goal's column. On April 16, 2011, City of Taunton will be holding the Citywide Cleanup and the Mill River and/or Three Mile River will be included.</li> </ul>
Revised					
2-3	Co-sponsor Annual Citywide Cleanup	Taunton Conservation Commission Taunton Department of Public Works Taunton Ecology Awareness Movement	Spring '03/04/05/06/07 <ul style="list-style-type: none"> <li>Send press releases to the <i>Taunton Gazette</i>, the <i>Brockton Enterprise</i> and other local 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 result of the cleanup event.</li> </ul>	<ul style="list-style-type: none"> <li>A Citywide Cleanup occurred on April 17, 2010.</li> <li>Press releases were sent to local newspapers.</li> <li>The number of volunteers, supporting businesses, areas cleaned, and quantity and type of waste collected were tracked.</li> </ul>	<ul style="list-style-type: none"> <li>Activities to proceed as noted in the Measurable Goal's column. On April 16, 2011, City of Taunton will be holding the Citywide Cleanup and the Mill River and/or Three Mile River will be included.</li> </ul>
Revised					
2-4	Conduct Local Water Quality Monitoring Activities	Taunton Department of Public Works USFilter Taunton River Watershed Alliance	Spring '04 – Winter '07/08 <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 Taunton.</li> </ul>	<ul style="list-style-type: none"> <li>As part of a contract, Veolia Water conducts water quality monitoring activities.</li> <li>A Water Quality Report for the City of Taunton has been drafted.</li> <li>High fecal coliform counts were reported to the responsible parties.</li> </ul>	<ul style="list-style-type: none"> <li>Activities to proceed as noted in the Measurable Goal's column.</li> </ul>
Revised					
2-5	Conduct Attitude Surveys	Taunton Conservation Commission Taunton Ecology Awareness Movement	Summer – Fall '04 & '07 <ul style="list-style-type: none"> <li>Identify the locations throughout the City where the stormwater awareness survey is available for completion.</li> <li>Send a press release explaining the stormwater awareness survey to the local newspapers.</li> <li>Track the number of completed surveys.</li> <li>Compile surveys in order to gauge any change in attitude/behavior regarding stormwater issues.</li> </ul>	No activities were scheduled for Permit Year 7.	<ul style="list-style-type: none"> <li>Activities to proceed as noted in the Measurable Goal's column.</li> </ul>
Revised					

**2. Public Involvement and Participation**

2-6	Co-sponsor Storm Drain Stenciling Activities	Taunton Conservation Commission Taunton Department of Public Works Taunton Ecology Awareness Movement	Summer '05/07 <ul style="list-style-type: none"> <li>Identify areas where stenciling will take place and establish schedule for the activity.</li> <li>Track the number of drains stenciled each year.</li> <li>Track the number of volunteers assisted in the stenciling activity.</li> <li>Summarize the condition of the inlet surveyed.</li> <li>Publicize storm drain stenciling event(s) via a press release to local newspapers.</li> </ul>	During Permit Year 7, stencils were purchased for stenciling during Permit Year 8.	<ul style="list-style-type: none"> <li>Storm drains will be stenciled during Permit Year 8.</li> </ul>
Revised					

**2a. Additions**

There are no additions at this time.

**3. Illicit Discharge Detection and Elimination**

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 8 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 9
3-1	Field Verify Outfall Locations	Taunton Department of Public Works	Spring '06 – Winter '07/08 <ul style="list-style-type: none"> <li>Develop a schedule for outfall verification and outfall identification activities.</li> <li>Perform and track the outfall verification and outfall identification activities as scheduled.</li> <li>Continuously update the storm drainage system map as new components are added to the municipal storm drainage system.</li> </ul>	<ul style="list-style-type: none"> <li>The City of Taunton has updated the storm drainage system map as new components were added.</li> <li>The City of Taunton developed a dry-weather sampling program during permit years 7 and 8. Due to severe winter weather, no sampling has occurred during permit year 8.</li> </ul>	<ul style="list-style-type: none"> <li>The City of Taunton plans to continue dry-weather sampling the outfalls during Permit Year 9.</li> </ul>
Revised					
3-2	Adopt a Stormwater Ordinance	Taunton Planning Department Taunton Conservation Commission Taunton Engineering Department	<p>Winter '06/07</p> <ul style="list-style-type: none"> <li>Draft the Stormwater Ordinance.</li> </ul> <p>Spring '07</p> <ul style="list-style-type: none"> <li>Present the Stormwater Ordinance for a vote of acceptance at the Municipal Council.</li> </ul> <p>Spring '07 – Winter '07/08</p> <ul style="list-style-type: none"> <li>Track the number of enforcement actions taken.</li> <li>Post Stormwater Ordinance on City's web site.</li> </ul>	<ul style="list-style-type: none"> <li>A review of sample stormwater ordinances from nearby towns has been completed. The Stormwater Ordinance is in the process of being drafted.</li> </ul>	<ul style="list-style-type: none"> <li>The Department of Public Works plans on presenting the Stormwater Ordinance to the Municipal Council during Permit Year 9.</li> </ul>
Revised			<p>Winter '09/10</p> <ul style="list-style-type: none"> <li>Draft the Stormwater Ordinance.</li> </ul> <p>Spring '10</p> <ul style="list-style-type: none"> <li>Present the Stormwater Ordinance for a vote of acceptance at the Municipal Council.</li> </ul> <p>Spring '10 – Winter '10/11</p> <ul style="list-style-type: none"> <li>Track the number of enforcement actions taken.</li> <li>Post Stormwater Ordinance on City's web site.</li> </ul>		

3-3	Implement an Illicit Discharge Detection and Elimination Plan	Taunton Department of Public Works	<p>Spring '06 – Fall '06</p> <ul style="list-style-type: none"> <li>Based on the results of the Phase II survey, the City will expend \$400,000 on sewer rehabilitation. Activities will include sealing pipes and manholes and replacing leaking frames and covers. It is estimated this project will remove approximately 150,000 to 200,000 gpd of I/I.</li> <li>At Lake Sabbatia, homes along the lake will be tied into the sewer extension.</li> </ul>	<ul style="list-style-type: none"> <li>Phase VI SSES program took place in 2010. The project removed over 1,000,000 gallons per day of I/I into the sewer system. This removal was accomplished by installing 7,000 feet of cured-in-place lining, removing a few cross-connected catch basins, manhole rehabilitation of 65 manholes, and replacement of 104 “vented” manhole covers with a solid cover. The project installed 650 feet of new drain pipes and replaced 250 feet of existing drain pipes. In addition, 2,500 linear feet of sewer has been replaced throughout the City.</li> </ul>	<ul style="list-style-type: none"> <li>Activities to proceed as noted in the Measurable Goal’s column.</li> <li>The Phase VII SSES program will take place in 2011.</li> </ul>
Revised					
3-4	Establish a Formal Septic System Management Program (SSMP)	Taunton Board of Health Mayor’s Office of Community Development	<p>Spring '03 – Winter '07/08</p> <ul style="list-style-type: none"> <li>Track the number of septic system pumping companies licensed by the City each year.</li> <li>Track the number of septic system installers that are licensed by the City each year.</li> <li>Track the number of Certificates of Compliance issued each year.</li> <li>Track the number of failed septic systems identified each year and action taken.</li> <li>Track the number of property owners that participate in the HSRLP.</li> <li>Host the Septic System Maintenance Workshop.</li> <li>Track the number of attendees at each Septic System Maintenance Workshop.</li> </ul>	<ul style="list-style-type: none"> <li>The Board of Health and Mayor’s Office of Community Development track the required information.</li> <li>There were 33 septic system pumping companies with a total of 125 trucks and 36 septic system installers licensed by the City of Taunton.</li> <li>For 2010, about 105 Disposal Work Construction Permits were issued.</li> <li>Approximately 20 failed septic systems were identified during 2010.</li> <li>8 property owners participated in the Water Pollution Abatement Trust.</li> <li>Board of Health employees attended several trainings that covered several topics about septic systems.</li> </ul>	<ul style="list-style-type: none"> <li>Activities to proceed as noted in the Measurable Goal’s column.</li> </ul>
Revised			<p>Spring '03 – Winter '07/08</p> <ul style="list-style-type: none"> <li>Track the number of septic system pumping companies licensed by the City each year.</li> <li>Track the number of septic system installers that are licensed by the City each year.</li> <li>Track the number of Certificates of Compliance issued each year.</li> <li>Track the number of failed septic systems identified each year and action taken.</li> <li>Track the number of property owners that participate in the Water Pollution Abatement Trust (WPAT).</li> <li>Provide pamphlets that summarize requirements of the Title V program.</li> <li>Board of Health employees will attend trainings on the septic systems.</li> </ul>		
3-5	Conduct I/I Removal in the Sanitary Sewer System	Taunton Department of Public Works	<p>Fall '06</p> <ul style="list-style-type: none"> <li>Complete the Comprehensive Wastewater Management Study.</li> <li>Evaluate the recommendations made in the Comprehensive Wastewater Management Study and develop a plan to perform the recommended activities.</li> </ul> <p>Spring '07 – Winter '07/08</p> <ul style="list-style-type: none"> <li>Track the City’s sanitary sewer capital improvement projects conducted.</li> </ul>	<ul style="list-style-type: none"> <li>The City of Taunton is tracking the sanitary sewer capital improvement projects conducted.</li> <li>The City of Taunton has continued to implement projects to separate the sanitary and stormwater sewer systems. It is a 3 phase, 15 million dollar program for catch basin and other I/I removal under EPA Administrative Order 08-042. Cross-connected catch basins will be removed from 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> <li>In permit year 9, the City of Taunton will continue to develop and implement projects to separate the sanitary and stormwater sewer systems.</li> </ul>
Revised	Conduct a Sewer Separation Program	Taunton Department of Public Works	<p>Winter '07/08 – Winter '13</p> <ul style="list-style-type: none"> <li>Develop and implement a program to separate the sanitary and stormwater sewer systems.</li> </ul>		

**3a. Additions**

There are no additions at this time.

**4. Construction Site Stormwater Runoff Control**

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 8 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 9
4-1	Develop a Site Inspection Form and Conduct Site Inspections	Taunton Planning Board Taunton Engineering Department Taunton Conservation Commission	Spring '07 – Winter '07/08 <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 site.</li> <li>• Track the completion of inspection forms.</li> <li>• Track the number of failed ESC BMPs discovered on each site.</li> </ul>	No activities scheduled for Permit Year 8.	<ul style="list-style-type: none"> <li>• Activities to proceed as noted in the Measurable Goal's column.</li> </ul>
Revised					
4-2	Develop and Implement a Citizen Tip Line	Taunton Department of Public Works Taunton Web Master	Spring '06 – Winter '07/08 <ul style="list-style-type: none"> <li>• Advertise that DPW will accept calls on stormwater issues.</li> <li>• Track the number of complaints received at the DPW regarding stormwater issues.</li> <li>• Track the problems/incidents remedied as a result of calls to the DPW.</li> </ul>	<ul style="list-style-type: none"> <li>• The DPW handles all calls concerning stormwater issues.</li> <li>• The complaints and remedies concerning stormwater issues have been tracked.</li> </ul>	<ul style="list-style-type: none"> <li>• Activities to proceed as noted in the Measurable Goal's column.</li> </ul>
Revised					

**4a. Additions**

There are no additions at this time.

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

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 8 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 9
5-1	Revise Site Plan Review Submission Requirements & Procedures	Taunton Planning Department Taunton Planning Board Taunton Municipal Council	Winter '05/06 <ul style="list-style-type: none"> <li>• Develop the amendment to Section XV of the Zoning Ordinance (Site Plan Review).</li> </ul> Spring '07 <ul style="list-style-type: none"> <li>• Submit the amendment to the Planning Board and hold a public hearing.</li> <li>• Submit the proposed amendment to the Municipal Council for acceptance into the Zoning Bylaw.</li> </ul>	No activities scheduled for Permit Year 8.	<ul style="list-style-type: none"> <li>• Activities to proceed as noted in the Measurable Goal's column.</li> </ul>
Revised					

**5a. Additions**

There are no additions at this time.



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

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 8 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 9
6-1	Develop a Formal Training Program for DPW Staff	Taunton Department of Public Works	Spring '06 Revise date to Spring '07 <ul style="list-style-type: none"> <li>Establish a formal training program for DPW employees.</li> </ul> Spring '06 – Winter '07/08 Revise date to Spring '07 – Winter '07/08 <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 training program requirements.</li> <li>Track the number of employees trained.</li> <li>Conduct refresher training for employees after every two years of employment.</li> </ul>	<ul style="list-style-type: none"> <li>A formal employee training program was not developed due to the concentration on other parts of the SWMP.</li> </ul>	<ul style="list-style-type: none"> <li>Activities to proceed as noted in the Measurable Goal's column.</li> <li>The City of Taunton plans to start to develop a formal employee training program for stormwater pollution prevention during Permit Year 9. The City of Taunton will start the training during Permit Year 10.</li> </ul>
Revised					
6-2	Develop a Formal Catch Basin Cleaning Program	Taunton Department of Public Works Highway Division	Spring '06 – Winter '07/08 <ul style="list-style-type: none"> <li>Use a street inventory to prioritize catch basins for cleaning by street.</li> <li>Clean a minimum of ten percent of catch basins per year.</li> <li>Document annual cleaning activities.</li> </ul>	<ul style="list-style-type: none"> <li>The City cleaned over 2,000 catch basins by the city and private contractors in permit year 8.</li> <li>The cleaning activities have been documented.</li> </ul>	<ul style="list-style-type: none"> <li>Activities to proceed as noted in the Measurable Goal's column.</li> <li>Continue to clean catch basins using city employees and private contractors during permit year 9.</li> </ul>
Revised					
6-3	Upgrade the Existing Parking Lot and Street Sweeping Program	Taunton Department of Public Works Highway Division	Spring '04 <ul style="list-style-type: none"> <li>Purchase a second street sweeper.</li> </ul> Summer '04 – Winter '07/08 <ul style="list-style-type: none"> <li>Conduct an inventory of all publicly owned streets and parking lots.</li> <li>Annually update and prioritize streets and lots for sweeping activities.</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>	<ul style="list-style-type: none"> <li>An inventory of all publicly owned streets and parking lots has been conducted.</li> <li>The sweeping activities have been documented.</li> </ul>	<ul style="list-style-type: none"> <li>Activities to proceed as noted in the Measurable Goal's column.</li> <li>The City plans to continue to sweep publicly owned streets and parking lots during permit year 9.</li> </ul>
Revised					
6-4	Develop a Vehicle & Equipment Maintenance Policy	Taunton Department of Public Works	Spring '06 <ul style="list-style-type: none"> <li>Develop and implement a vehicle and equipment maintenance policy and incorporate policy requirements into the DPW employee training programs.</li> </ul>	<ul style="list-style-type: none"> <li>A Vehicle Maintenance Garage and associated area has been designated.</li> <li>The DPW has designated a "Spill Coordinator" that responds to all spills.</li> <li>New employees are informed of these policies.</li> </ul>	<ul style="list-style-type: none"> <li>Activities to proceed as noted in the Measurable Goal's column.</li> <li>The City of Taunton plans to start to develop a formal employee training program for stormwater pollution prevention during Permit Year 9. The City of Taunton will start the training during Permit Year 10. The vehicle and equipment maintenance policy will be included as part of the formal employee training program.</li> </ul>
Revised					
6-5	Develop a Vehicle & Equipment Cleaning Policy	Taunton Department of Public Works	Spring '06 <ul style="list-style-type: none"> <li>Develop and implement a vehicle and equipment cleaning policy and incorporate policy requirements into the DPW employee training programs.</li> </ul>	<ul style="list-style-type: none"> <li>An area has been designated for the cleaning of vehicles and equipment.</li> <li>There's an oil/water separator that everything drains to.</li> <li>New employees are informed of these policies.</li> </ul>	<ul style="list-style-type: none"> <li>Activities to proceed as noted in the Measurable Goal's column.</li> <li>The City of Taunton plans to start to develop a formal employee training program for stormwater pollution prevention during Permit Year 9. The City of Taunton will start the training during Permit Year 10. Vehicle and equipment cleaning policy will be included as part of the formal employee training program.</li> </ul>
Revised					

**6a. Additions**

There are no additions at this time.

**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 8 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 9
7-1					
Revised					
Revised					
Revised					
Revised					
Revised					
Revised					

NOT APPLICABLE

**7a. Additions**


**7b. WLA Assessment**

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

The Taunton River Watershed Alliance (TRWA) and Veolia Water collect water samples throughout the Taunton River Watershed through a collaborative monitoring project. There are three purposes for the monitoring: develop baseline characterization data, measure changes in the watershed over time, and screen for water quality problems. At the end of the year, a report titled Annual Water Quality Report – Taunton River & Tributaries – 2010 was completed to document the sampling activities and results.

For 2010, sampling was performed on the second Tuesday of the month from March through December (weather dependent) between the hours of 4:30 a.m. and 8:30 a.m. Sampling was not performed in January and February due to safety concerns from snow and ice on the bridges and because colder water has higher dissolved oxygen content and so the oxygen stress on the river is greatly reduced. In 2010, the sampling team tested nineteen sites. These sites were chosen for several reasons including to cover a representative area of the City’s waterways, to include any known problem area or areas of critical concern, and to target areas where no previous water quality data existed. The following chart lists the monitoring locations for 2010.

<b>STREET/BRIDGE LOCATION</b>	<b>RIVER</b>	<b>GPS Location</b>	<b>ID</b>
SOMERSET AVE, RT. 138	THREE MILE	N41°51/W71°06	TMR 01
ROUTE 44/COHANNET ST.	THREE MILE	N41°53/W71°08	TMR 02
SOLITUDE DRIVE/TAUNTON	THREE MILE	N41°56/W71°09	TMR 03
INGELL ST./TAUNTON	MILL	N41°89/W71°8	MIL 01
WASHINGTON ST./TAUNTON	MILL RIVER	N41°54/W71°5	MIL02
WHITTENDON ST./TAUNTON	MILL RIVER	N41°55/W71°6	MIL03
CENTER ST., BERKLEY BRIDGE	TAUNTON RIVER	N41°50/W71°06	TNT 01
PLAIN ST., TAUNTON	TAUNTON RIVER	N41°53/W71°05	TNT 02
RTE 140, NORTON	WADING RIVER	N41°56/W71°10	WAD 01
PINE, NORTON	WADING RIVER	N41°57/W71°04	WAD 02
RT. 79, ASSONET CENTER BRIDGE	ASSONET RIVER	N 41 47 45.2 W 71 03 56.7	ASO 01
HIGHSTONE ST., E. TAUNTON	TOMSON BROOK	N41°51-46/W70°58-40	TBR 01
PRECINCT ST., ROUTE 44	FURNACE BROOK	N41°53-35/W71°0-05	FBR 01
PAYNES COVE, 90 S. MAIN ST., ASSONET	ASSONET RIVER	N41°47/W71°05	PCO
IRON WORKS			IW
			SH
LOUSY COVE, BERKLEY	LOUSY COVE/BROOK	N41°47/W71°06	LZ
			NIP

Veolia Water tested the samples for nine parameters. The parameters are temperature, dissolved oxygen, pH, total phosphorus, nitrate-nitrogen,

turbidity, fecal coliform bacteria, total suspended solids, and salinity. The following charts display a summary of the results for fecal coliform bacteria and total phosphorus.

<b>FECAL COLIFORM BACTERIA 2010 (colonies/100 ml. sample)</b>									
<b>Site</b>	<b>April</b>	<b>May</b>	<b>June</b>	<b>July</b>	<b>August</b>	<b>Sept</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>
<b>TMR 02</b>		51	80	69	250	96	37		217
<b>TMR 03</b>		63	69	77	80	88	136		320
<b>TBR 01</b>	27	29	49	124	230	84	228	120	
<b>FBR 01</b>	3	26	88	850	220	94	54	164	
<b>WAD 01</b>		20	80	77	87	91	37	100	
<b>WAD 02</b>		108	60	88	40	29	9	460	
<b>ASO 01</b>	3	29	226	450	73	80	54	152	
<b>ASO 02</b>	0	0							
<b>TNT 01</b>	47		128	270		96		223	221
<b>TNT 02</b>	30	168	124	257		112		180	260
<b>TMR 01</b>	3	34	124	360		112		26	57
<b>MIL 01</b>	88	440	710	1050	TNTC	45	108		
<b>MIL 02</b>	84	470	560	1150	2240	560	530		
<b>MIL 03</b>	292	710	210	930	1760	320	530		
<b>PCO</b>	3	11	108	206	800	232	120	176	
<b>IW</b>	7		108	29	33	31	60		
<b>SH</b>	3			N/S	1560		80		
<b>LZ</b>			40	1320	1760	660	1240	37	890
<b>NIP</b>					10	3	3		

<b>TOTAL PHOSPHORUS VALUES FOR 2010 (mg/l)</b>									
<b>Site</b>	<b>April</b>	<b>May</b>	<b>June</b>	<b>July</b>	<b>Aug</b>	<b>Sept</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>
<b>TMR 02</b>		0.08	0.11	0.05	0	0	0.05		0.05
<b>TMR 03</b>		0.07	0.07	0.08	0	0	0.05		0.08
<b>TBR 01</b>	0.05	0.06	0	0.09	0.07	0.09	0.08	0.07	
<b>FBR 01</b>	0	0.07	0.07	0.08	0	0	0.1	0.097	
<b>WAD 01</b>		0.06	0.09	0	0	0	0	0	
<b>WAD 02</b>		0.05	0.06	0.06	0	0	0	0	
<b>ASO 01</b>	0.05	0.11	0	0.13	0.09	0.16	0.08	0	
<b>ASO 02</b>	0	0.06							
<b>TNT 01</b>	0.06	0.08	0.1	0.19		0.17		0.13	0.11
<b>TNT 02</b>	0.07	0.09	0.12	0.1		0.2		0.068	0.14
<b>TMR 01</b>	0	0.07	0.08	0.14		0		0	0.08
<b>MIL 01</b>	0	0	0.06	0	0.1	0	0.06		
<b>MIL 02</b>	0	0	0.06	0	0.05	0	0.14		
<b>MIL 03</b>	0	0	0	0.08	0	0	0		
<b>PCO</b>	0	0	0.12	0.13	0	0.1	0.13	0.06	
<b>IW</b>	0		0.17	0.08	0	0.12	0.07		0.06
<b>SH</b>	0			0.07	0.08	0.1	0.1		0.07
<b>LZ</b>			0.09	0.12	0.12		0.06	0.092	0
<b>NIP</b>					0.11	0.07	0		0.07