

Municipality/Organization: City of Taunton

EPA NPDES Permit Number: MAR041164

MassDEP Transmittal Number: W-041086

Annual Report Number Year 12

& Reporting Period: April 1, 2014 – March 31, 2015

NPDES PII Small MS4 General Permit Annual Report (Due: May 1, 2015)

Part I. General Information

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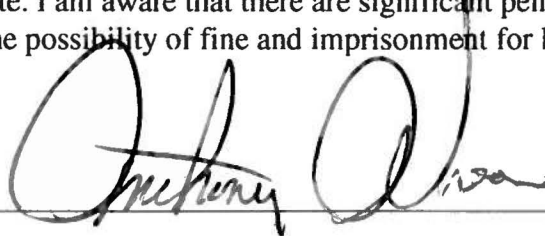
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Certification:

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:

4/27/15

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 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 12 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 13
1-1	Conduct an Annual Household Hazardous Waste Collection Day	Taunton Pollution Prevention Control Facility	Spring ‘04/05/06/07 • Sponsor an annual household hazardous waste collection day. • Continue to develop the Taunton Recycling Information brochure and distribute to all Taunton residents via a mass mailing on an annual basis. • Track the number of brochures distributed to residences via the mass mailing each year. • Annually send a press release advertising the event to the <i>Taunton Gazette</i> and track whether or not it was published. • Advertise the event on the local cable access station on an annual basis. • Maintain and update the City’s web page. • Track the amounts and types of wasted collected each year. • Track the number of Taunton vehicles that participate in the event each year.	• The hazardous waste collection day was held on April 26, 2014. • 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. • Some of the items collected include PLC’s, broken mercury thermometers, batteries, solvents, paint thinners, gasoline, kerosene, fluorescent light bulbs, pesticides, and antifreeze. 80 vehicles participated. • The City of Taunton distributes recycling bins to residents at the Department of Public Works. • The City of Taunton Board of Health offered a medical hazardous waste day on Saturday, May 31 for needles and syringes.	• The hazardous waste collection day is scheduled for Saturday, April 25, 2015. • Continue to offer a medical hazardous waste day throughout the year. • Continue to distribute recycling bins to residents.
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 • Track number of flyers distributed each year. • Post the electronic version of the flyer on the City’s web page.	• Continued to make the educational flyers titled “After the Storm” available at the Department of Public Works and the Planning and Conservation Department. • Continued to display a poster titled “Stormwater and the Construction Industry” in the Department of Public Works and the Planning and Conservation Department. • An electronic version of the flyers and posters are available on the City of Taunton’s web page.	• 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.
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 • Post stormwater related information on the Green Page web site. • Update web site regularly.	• 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. The City of Taunton continued to maintain the stormwater web page. • The City of Taunton is part of the Southeastern Massachusetts Stormwater Collaborative (SEMSWC) which was established in 2014. The SEMSWC has a website with general information about stormwater and links to other websites.	• The City of Taunton will continue to maintain the stormwater web page. • The City of Taunton will revise the stormwater webpage to include the stormwater ordinance, a link to the Southeastern Massachusetts Stormwater Collaborative’s webpage.
Revised			• Post stormwater related information on the City of Taunton web site.		

1-4	Promoting Water Conservation Practices for Homeowners	Taunton Water Department	Spring '03 – Winter '07/08 • Maintain and update the water conservation tips on the Water Department’s web page. • Continue to use local newspapers to promote water conservation and track the number of water conservation reminders that are placed in newspapers each year.	• Water conservation tips have been included on the stormwater webpage.	• The City of Taunton will continue to maintain the stormwater web page including water conservation tips.
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 • Submit a press release advertising the event to the <i>Taunton Gazette</i>. • Track the number and type of educational materials that are distributed by the City’s Storm Water Quality Booth at the Taunton Ecology Fair.	• There was no ecology fair or Taunton River Festival held in Year 12.	• Research similar events in area to distribute educational materials.
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 12 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 13
2-1	Public Access to SWMP & Receipts of Comments	Taunton Superintendent of Public Works Taunton Webmaster	Summer '03 - Make draft SWMP available to the public and conduct public comment period. - Finalize SWMP. Summer '04 – Winter '07/08 - Make the Final SWMP accessible to the public via the City's public library, Craig C. Sherman Operations Center, and web page.	The Final SWMP is located at the City's public library.	Activities to proceed as noted in the Measurable Goal's column.
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 - Send press releases to the <i>Taunton Gazette</i>, the <i>Brockton Enterprise</i> and other local newspapers. - Track the number of cleanup volunteers and supporting businesses. - Track the number/length of streams cleaned. - Track the quantity and types of waste collected as a result of the cleanup event. - Indicate the water quality at the river cleanup sites.	- A Citywide Cleanup occurred on April 25 and 26, 2014. - Press releases were sent to local newspapers. - The number of volunteers, supporting businesses, number/length of streams, and quantity and type of waste collected were tracked. Over 100 volunteers removed approximately 2 tons of material from roadsides and streams. Materials included household trash, litter, construction and demolition debris, tires, furniture, and dead-fall debris. - The water quality monitoring was performed by the Taunton River Watershed Alliance and Veolia Water.	- Activities to proceed as noted in the Measurable Goal's column. - The City of Taunton will be holding the Citywide Cleanup in Saturday, April 25, 2015. The Taunton River, Mill River and/or Three Mile River will be included.
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 - Send press releases to the <i>Taunton Gazette</i>, the <i>Brockton Enterprise</i> and other local newspapers. - Track the number of cleanup participants. - Track the areas cleaned. - Track the quantity and types of waste collected as a result of the cleanup event.	- A Citywide Cleanup occurred on April 25 and 26, 2014. - Press releases were sent to local newspapers. - The number of volunteers, supporting businesses, areas cleaned, and quantity and type of waste collected were tracked. Approximately 2 tons of material was removed. - In addition, the Friends of Massasoit State Park and DCR held a cleanup on Saturday, May 10, 2014.	- Activities to proceed as noted in the Measurable Goal's column. - The City of Taunton will be holding the Citywide Cleanup in April 25, 2015. The Taunton River, Mill River and/or Three Mile River will be included.
Revised					
2-4	Conduct Local Water Quality Monitoring Activities	Taunton Department of Public Works Veolia Taunton River Watershed Alliance	Spring '04 – Winter '07/08 - Identify sampling areas. - Collect and analyze samples. - Report high fecal coliform counts to responsible parties. - Draft an annual Water Quality Report for the City of Taunton.	- As part of a contract, Veolia Water conducts water quality monitoring activities. - A Water Quality Report for the City of Taunton has been drafted.	Activities to proceed as noted in the Measurable Goal's column.
Revised					

2. Public Involvement and Participation

2-5	Conduct Attitude Surveys	Taunton Conservation Commission Taunton Ecology Awareness Movement	Summer – Fall '04 & '07 - Identify the locations throughout the City where the stormwater awareness survey is available for completion. - Send a press release explaining the stormwater awareness survey to the local newspapers. - Track the number of completed surveys. - Compile surveys in order to gauge any change in attitude/behavior regarding stormwater issues.	No activities were scheduled for Permit Year 12.	Activities to proceed as noted in the Measurable Goal's column.
Revised					
2-6	Co-sponsor Storm Drain Stenciling Activities	Taunton Conservation Commission Taunton Department of Public Works Taunton Ecology Awareness Movement	Summer '05/07 - Identify areas where stenciling will take place and establish schedule for the activity. - Track the number of drains stenciled each year. - Track the number of volunteers assisted in the stenciling activity. - Summarize the condition of the inlet surveyed. - Publicize storm drain stenciling event(s) via a press release to local newspapers.	Storm drains were stenciled during Permit Year 12. Approximately 100 storm drains were stenciled.	Continue to stencil storm drains during Permit Year 13. The City of Taunton will stencil at least 100 storm drains during Permit Year 13.
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 12 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 13
3-1	Field Verify Outfall Locations	Taunton Department of Public Works	Spring '06 – Winter '07/08 - Develop a schedule for outfall verification and outfall identification activities. - Perform and track the outfall verification and outfall identification activities as scheduled. - Continuously update the storm drainage system map as new components are added to the municipal storm drainage system.	The City of Taunton has updated the storm drainage system map as new components were added.	- The City of Taunton plans to restart dry-weather sampling of outfalls during Permit Year 13. - The City of Taunton plans to restart drainage inspections during Permit Year 13.
Revised			Spring '11 – Spring '14 Update GIS drainage system mapping through visual inspection of drain structures. Drain manholes, catch basins, and outfalls will be inspected and mapped. Approximately 25% of the drain system will be inspected each year.		
3-2	Adopt a Stormwater Ordinance	Taunton Planning Department Taunton Conservation Commission Taunton Engineering Department	Winter '09/10 - Draft the Stormwater Ordinance. Spring '10 - Present the Stormwater Ordinance for a vote of acceptance at the Municipal Council. Spring '10 – Winter '10/11 - Track the number of enforcement actions taken. - Post Stormwater Ordinance on City's web site.	- The first reading for the stormwater ordinance at the City Council was performed on June 30, 2014. - The second and third readings were performed on July 15, 2014. - The stormwater ordinance was passed on July 15, 2014.	- The City of Taunton will work on posting the Stormwater Ordinance on the stormwater website. - The City of Taunton will draft stormwater rules and regulations to enforce the stormwater ordinance.
Revised					
3-3	Implement an Illicit Discharge Detection and Elimination Plan	Taunton Department of Public Works	Spring '11-Spring '14 Perform dry weather screening of outfalls as part of outfall field verification.	- Phase 10 SSES program took place in 2014. - The City of Taunton is working to resolve and determine the source of illicit discharges.	- Activities to proceed as noted in the Measurable Goal's column. - The Phase 11 SSES program will take place in 2015. - The City of Taunton will inspect 25% of the outfalls. - The City of Taunton will continue to resolve the source of potential illicit discharges.
Revised					
3-4	Establish a Formal Septic System Management Program (SSMP)	Taunton Board of Health Office of Economic and Community Development	Spring '03 – Winter '07/08 - Track the number of septic system pumping companies licensed by the City each year. - Track the number of septic system installers that are licensed by the City each year. - Track the number of Certificates of Compliance issued each year. - Track the number of failed septic systems identified each year and action taken. - Track the number of property owners that participate in the Water Pollution Abatement Trust (WPAT). - Provide pamphlets that summarize requirements of the Title V program. - Board of Health employees will attend trainings on the septic systems.	- The Board of Health and Office of Economic and Community Development track the required information. - There were 32 septic system pumping companies with a total of 86 trucks and 50 septic system installers licensed by the City of Taunton. - For 2014, 92 Disposal Work Construction Permits were issued. - Approximately 24 failed septic systems were identified during 2014. 5 property owners participated in the Septic Loan Program.	Activities to proceed as noted in the Measurable Goal's column.
Revised					

3-5	Conduct a Sewer Separation Program	Taunton Department of Public Works	Winter '07/08 – Winter '13 Develop and implement a program to separate the sanitary and stormwater sewer systems.	- The City of Taunton is tracking the sanitary sewer capital improvement projects conducted. - The City of Taunton has continued to implement projects to separate the sanitary and stormwater sewer systems. - The Phase 10 SSES program performed the following stormwater work: - Tremont Street, Anawan St, Cleveland Rd, Monadnock St (at Cobb Brook) – separation of 8 combined (sewer & drain) manholes (including installation of 15 drain manholes), replacement of 500 lf of drain (including a new outfall), 10 catch basins and 1 drainage culvert. - Fern St – replacement of 600 lf of drain, replacement of 2 catch basins (and removal of catch basins from sewer) - John Street – installation/replacement of 500lf of drain pipe and 2 catch basins, improving drainage on the street. - Howard St – replacement of 400 lf of drain pipe, including outfall to Mill River. Replacement of 3 catch basins. - Dana St – replacement of 150 lf of existing 3-sided granite culvert with new HDPE drain. Drain runs through a contaminated site, so this replacement minimizes the migration of contaminants in stormwater. - Hopewell St – removed underdrain from sewer manhole, and replaced the outfall of the underdrain to the Mill River. - In addition to the stormwater work, the following sanitary sewer work was completed: - CIPP-lining of approx. 38,000 lf. of pipe including 1,400 lf of brick drain on Weir Street, 640 lf of brick drain on Dana Street, 450 lf of brick drain on N. Pleasant/Washington Street, 350’ of VC drain on Tremont Street, 900 lf of brick drain on High Street, 450 lf of brick drain on Hill Street., and 480 lf of brick drain on Winthrop Street.	- Activities to proceed as noted in the Measurable Goal’s column. - In permit year 13, the City of Taunton will continue to develop and implement projects to separate the sanitary and stormwater sewer systems. - Currently, the scope of the Phase 11 SSES program includes the following stormwater and wastewater work: - CIPP-lining of approx. 5,300 lf of brick drain pipe - Combined manhole separation
Revised					

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 12 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 13
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 - Develop a Site Inspection Form that reflects the ESC. - Track the frequency of inspections conducted for each site. - Track the completion of inspection forms. - Track the number of failed ESC BMPs discovered on each site.	No activities scheduled for Permit Year 12.	Activities to proceed as noted in the Measurable Goal's column.
Revised					
4-2	Develop and Implement a Citizen Tip Line	Taunton Department of Public Works Taunton Web Master	Spring '06 – Winter '07/08 - Advertise that DPW will accept calls on stormwater issues. - Track the number of complaints received at the DPW regarding stormwater issues. - Track the problems/incidents remedied as a result of calls to the DPW.	- The DPW handles all calls concerning stormwater issues. - The complaints and remedies concerning stormwater issues have been tracked.	Activities to proceed as noted in the Measurable Goal's column.
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 12 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 13
5-1	Revise Site Plan Review Submission Requirements & Procedures	Taunton Planning Department Taunton Planning Board Taunton Municipal Council	Winter '05/06 - Develop the amendment to Section XV of the Zoning Ordinance (Site Plan Review). Spring '07 - Submit the amendment to the Planning Board and hold a public hearing. - Submit the proposed amendment to the Municipal Council for acceptance into the Zoning Bylaw.	No activities scheduled for Permit Year 12.	Activities to proceed as noted in the Measurable Goal's column.
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 12 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 13
6-1	Develop a Formal Training Program for DPW Staff	Taunton Department of Public Works	Spring '06 Revise date to Spring '07 - Establish a formal training program for DPW employees. Spring '06 – Winter '07/08 Revise date to Spring '07 – Winter '07/08 - Conduct training sessions with all current employees. - Train all new DPW employees in accordance with the training program requirements. - Track the number of employees trained. - Conduct refresher training for employees after every two years of employment.	The City of Taunton trains new employees on practices within the DPW Garage.	- Activities to proceed as noted in the Measurable Goal's column. - The City of Taunton plans to perform a stormwater audit of the DPW Garage in Permit Year 13. As part of the audit, a formal stormwater training program will be formalized.
Revised					
6-2	Develop a Formal Catch Basin Cleaning Program	Taunton Department of Public Works Highway Division	Spring '06 – Winter '07/08 - Use a street inventory to prioritize catch basins for cleaning by street. - Clean a minimum of ten percent of catch basins per year. - Document annual cleaning activities.	- The City cleaned over 200 catch basins and manholes by the City and private contractors in permit year 12. - The cleaning activities have been documented.	- Activities to proceed as noted in the Measurable Goal's column. - Continue to clean catch basins and storm drain pipes using city employees and private contractors during permit year 13.
Revised					
6-3	Upgrade the Existing Parking Lot and Street Sweeping Program	Taunton Department of Public Works Highway Division	Spring '04 - Purchase a second street sweeper. Summer '04 – Winter '07/08 - Conduct an inventory of all publicly owned streets and parking lots. - Annually update and prioritize streets and lots for sweeping activities. - Develop a schedule for conducting sweeping activities. - Track the streets and lots that are swept each year. - Maintain a log of the disposed materials.	- An inventory of all publicly owned streets and parking lots has been conducted. - The sweeping activities have been documented. - The City maintains a map that delineates the street sweeping program. - The City swept the impervious surfaces in the downtown area on a weekly basis.	- Activities to proceed as noted in the Measurable Goal's column. - The City plans to continue to sweep publicly owned streets and parking lots during permit year 13.
Revised					
6-4	Develop a Vehicle & Equipment Maintenance Policy	Taunton Department of Public Works	Spring '06 Develop and implement a vehicle and equipment maintenance policy and incorporate policy requirements into the DPW employee training programs.	- A Vehicle Maintenance Garage and associated area has been designated. - The DPW has designated a “Spill Coordinator” that responds to all spills. - New employees are informed of these policies.	- Activities to proceed as noted in the Measurable Goal's column. - The City of Taunton plans to perform a stormwater audit of the DPW Garage in Permit Year 13. As part of the audit, a vehicle and equipment maintenance policy will be formalized.
Revised					
6-5	Develop a Vehicle & Equipment Cleaning Policy	Taunton Department of Public Works	Spring '06 Develop and implement a vehicle and equipment cleaning policy and incorporate policy requirements into the DPW employee training programs.	- An area has been designated for the cleaning of vehicles and equipment. - There's an oil/water separator that everything drains to. - New employees are informed of these policies.	- Activities to proceed as noted in the Measurable Goal's column. - The City of Taunton plans to perform a stormwater audit of the DPW Garage in Permit Year 13. As part of the audit, a vehicle and equipment cleaning policy will be formalized.
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 12 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 13
7-1				During Permit Year 12, the City of Taunton researched educational materials on pet waste.	Develop and distribute educational materials on pet waste at the Animal Shelter.
Revised	Pooper Scooper Educational Materials	Department of Public Works	Spring/Summer 2013 Develop educational materials on pet waste. Spring/Summer 2014 Distribute educational materials at Animal Shelter and with dog licenses.		
Revised					
Revised					
Revised					
Revised					
Revised					

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. After the end of the year, a report titled Annual Water Quality Report – Taunton River & Tributaries – 2014 was completed to document the sampling activities and results.

For 2014, sampling was performed on the second Tuesday of the month from March through November (weather dependent) between the hours of 4:30 a.m. and 8:30 a.m. Sampling was not performed in January, February, and December 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 2014, the sampling team tested fifteen 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 2014.

STREET/BRIDGE LOCATION	RIVER	GPS Location	ID
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 RIVER	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
	COTLEY BROOK		COT01
ELM ST & SCOTLAND TOWN LINE W. BRIDGEWATER	TOWN RIVER	N41.992197/W71.026070	TWN01
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
SOUTH OF BERKLEY BRIDGE, EAST OF TAUNTON RIVER, WHERE IT CROSSES BERKLEY STREET	CHUCKAMUCKSE TT BROOK		BER-T

Veolia Water tested the samples for eight parameters. The parameters are temperature, dissolved oxygen, pH, total phosphorus, nitrate-nitrogen, fecal coliform bacteria, total suspended solids, and salinity. The following charts display a summary of the results for fecal coliform bacteria and total phosphorus.

Fecal Coliform 2014 (colonies/100 ml)								
Site	April	May	June	July	Aug	Sept	Oct	Nov
TMR 02			60	128	222	43	106	570
TMR 03								28
TBR 01	0	71			25	23		6
FBR 01	20	11			80	114		3
TNT 01	51		71		288	80	174	28
TNT 02	49		114		197	69	77	71
TMR 01	11	26	26	232	222	63	14	6
MIL 01	174	151		410			525	104
MIL 02	71	151		310			254	29
MIL 03	14	109		308			186	11
PCO 01								
COT 01	3		29	112	14		23	51
ASO 01	6	22		148	143	28	14	17
BER-1	20	17		214	182	88		160
BED 01		91	40	124	34	14	29	9
CHE 1	49	34	57	66	488	3	63	188

TOTAL PHOSPHORUS VALUES FOR 2014 (mg/l)								
Site	April	May	June	July	Aug	Sept	Oct	Nov
TMR 02			0.06	0	0	0.06	0	0
TMR 03								0.14
TBR 01	0.06	0.06			0.06	0.07		0.23
TNT 01	0		0.15		0.19	0.2	0.19	0.19
TNT 02	0		0.13		0.07	0.08	0.09	0.15
TMR 01	0	0	0.06	0.08	0	0.09	0	0
MIL 01	0	0		0.09			0.06	0.06
MIL 02	0	0		0.05			0	0.09
MIL 03	0	0		0			0	0.12
ASO 01	0	0.06		0.09	0.07	0.06	0.09	0.08
BER-01	0	0.07		0.08	0.13	0.1		0.11
BED 01		0.07	0.1	0.11	0.06		0.08	0.07
CHE 1	0	0.09	0.13	0.17	0.11	0.09	0	0.06
COT 01	0	0	0.09	0.09	0.05		0	0.11
FBR 01	0	0.06			0.06	0.12		0.09