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Municipality/Organization: City of Taunton

EPA NPDES Permit Number: MAR041164 2004 MAY -3 P 11:59

MaDEP Transmittal Number: **W-041086**

Annual Report Number & Reporting Period: **No. 1: March 03-March 04**

NPDES PII Small MS4 General Permit Annual Report

Part I. General Information

Contact Person: Frank A. Nichols, P.E. Title: Commissioner

Telephone #: 508-821-1434 Email:

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: Frank A. Nichols, P.E.

Title: Commissioner

Date: 4/30/04

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 Meas

1. Public Education and Outreach

BMP ID #	BMP Description	Responsible Dept./Per	Planned Activities – Permit Year 2
1-1	Conduct an Annual Household Hazardous Waste Collection Day	Taunton Pollution Prev urbors, Facility 2004. uly 1 – Y2003. all azette cable rtised dings oard es y unton ection	• Activities to proceed as noted in the Measurable Goal's column.
Revised			
1-2	Distribute a Series of Educational Flyers	Taunton Conservation r 1. Taunton Environmenta Movement Taunton Municipal Lig Taunton Webmaster	• Activities to proceed as noted in the Measurable Goal's column.
1-3	Post Educational Information on the City's Web Site	Taunton Department o ental Taunton Conservation luding Taunton Planning Dep d Taunton Ecology Awa Movement	• Activities to proceed as noted in the Measurable Goal's column.
1-4	Promoting Water Conservation Practices for Homeowners	Taunton Water Depart tained b page. ater everal	• Activities to proceed as noted in the Measurable Goal's column.
1-5	Participate in the Annual Ecology Fair	Taunton Conservation 1. Taunton Department o Taunton Water Depart Taunton Ecology Awa Movement	• Activities to proceed as noted in the Measurable Goal's column.
Revised			

1a. Additions

No additions to report at this time.

2. Public Involvement and Participation

BMP ID #	BMP Description	Responsible Dept./Pers	ted, if	Planned Activities – Permit Year 2
2-1	Public Access to SWMP & Receipts of Comments	Taunton Superintendent Works Taunton Webmaster	ic at lity y 24, riod a public	• Activities to proceed as noted in the Measurable Goal's column.
2-2	Co-Sponsor Annual River Cleanup	Taunton Conservation C Taunton Department of Taunton Ecology Aware	e, Silver il 24, ee Mile of and could	• Activities to proceed as noted in the Measurable Goal's column.
2-3	Co-Sponsor Annual Citywide Cleanup	Taunton Conservation C Taunton Department of Taunton Ecology Awar	e, Silver 004. erial litter,	• Activities to proceed as noted in the Measurable Goal's column.
2-4	Conduct Local Water Quality Monitoring Activities	Taunton Department of USFilter Taunton River Watersh	e f	• Activities to proceed as noted in the Measurable Goal's column.
2-5	Conduct Attitude Surveys	Taunton Conservation Taunton Ecology Awar	I.	• Activities to proceed as noted in the Measurable Goal's column.
2-6	Co-Sponsor Storm Drain Stenciling Activities	Taunton Department of Taunton Conservation Taunton Ecology Awa	I.	***No activities scheduled for Permit Year 2.***

2a. Additions

2-7	America Recycles Day Cleanup	Taunton Conservatio Taunton Ecology Aw	l along ected es, s, e, Silver	***No activities scheduled beyond Permit Year 1.***

3. Illicit Discharge Detection and Elimination

BMP ID #	BMP Description	Responsible Dept./Per ed, if	Planned Activities – Permit Year 2
3-1	Field Verify Outfall Locations	Taunton Department of *1.*	***No activities scheduled for Permit Year 2.***
Revised			
3-2	Adopt a Stormwater Ordinance	Taunton Planning Depa *1.* Taunton Conservation (Taunton Engineering D	• Activities to proceed as noted in the Measurable Goal's column.
3-3	Implement an Illicit Discharge Detection and Elimination Plan	Taunton Department of *1.*	• Activities to proceed as noted in the Measurable Goal's column.
Revised			
3-4	Establish a Formal Septic System Management Program (SSMP)	Taunton Board of Heal Mayor's Office of Com Development ***Revise*** re Taunton Conservation cates ed.	• Activities to proceed as noted in the Measurable Goal's column.

Revised		Remove Taunton Conse Commission from the li parties.		
3-5	Conduct I/I Removal in the Sanitary Sewer System	Taunton Department of	*1.*	• Activities to proceed as noted in the Measurable Goal's column.

3a. Additions

No additions to report at this time.

4. Construction Site Stormwater Runoff Contr

BMP ID #	BMP Description	Responsible Dept./Per	ed, if	Planned Activities – Permit Year 2
4-1	Develop a Site Inspection Form and Conduct Site Inspections	Taunton Planning Boar Taunton Engineering D Taunton Conservation (	*1.*	• Activities to proceed as noted in the Measurable Goal's column.
Revised				
4-2	Develop and Implement a Citizen Tip Line	Taunton Department of Taunton Web Master	*1.*	***No activities scheduled for Permit Year 2.***

4a. Additions

No additions proposed at this time.

5. Post-Construction Stormwater Managemen

BMP ID #	BMP Description	Responsible Dept./Per	d, if	Planned Activities – Permit Year 2
5-1	Revise Site Plan Review Submission Requirements & Procedures	Taunton Planning Depa Taunton Planning Boar Taunton Municipal Cou	*1.*	• Activities to proceed as noted in the Measurable Goal's column.

5a. Additions

No additions proposed at this time.

6. Pollution Prevention and Good Housekeepin

BMP ID #	BMP Description	Responsible Dept./Per	d, if	Planned Activities – Permit Year 2
6-1	Develop a Formal Training Program for DPW Staff	Taunton Department of	*1.*	***No activities scheduled for Permit Year 2.***
6-2 Revised	Develop a Formal Catch Basin Cleaning Program	Taunton Department of Highway Division	*1.* am has ermit s (i.e. ere	***No activities scheduled for Permit Year 2.***
6-3	Upgrade the Existing Parking Lot & Street Sweeping Program	Taunton Department of Highway Division	g Year 1. ar 1.	• Activities to proceed as noted in the Measurable Goal's column.
6-4 Revised	Develop a Vehicle & Equipment Maintenance Policy	Taunton Department of	*1.*	***No activities scheduled for Permit Year 2.***
6-5 Revised	Develop a Vehicle & Equipment Cleaning Policy	Taunton Department of	*1.*	***No activities scheduled for Permit Year 2.*** While the "formal" policy is scheduled for Spring '05, it is important to note that 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 discharges to the sanitary sewer system.

6a. Additions

No additions proposed 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 1 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 2
Revised					
Revised					
Revised					
Revised					
Revised					
Revised					

Not Applicable

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 – 2003 was completed in early 2004 and contained a variety of information.

A total of sixteen sites were sampled during the year 2003. Samples are taken at bridges due to safety considerations and accessibility of 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 colifrom bacteria counts taken during 2003.

STREET/BRIDGE LOCATION	RIVER	Miles from Taunton River	ID
SOMERSET AVE, RT. 138	THREE MILE	0.4	TMR 004
ROUTE 44/COHANNET ST.	THREE MILE	3.4	TMR 034
INGELL ST.	MILL	0.0	MIL-000
WASHINGTON ST.	MILL RIVER	1.4	MIL-014
WHITTENDON ST.	MILL RIVER	3.0	MIL-030
GENERAL COBB ST.	COBB BROOK	1.3	COB-013
WEST WATER ST.	COBB BROOK	0.0	COB-000
BAY ST., NORTON	SNAKE RIVER	0.5	SNK-005
MIDDLEBORO AVE.	COTLEY RIVER	0.4	COT-004
OLIVER MILL, RT.44, MIDDLEBORO	NEMASKET	4.1	NMK-041
MURDOCK ST., BRIDGEWATER	NEMASKET	2.3	NMK-023
STREET/BRIDGE LOCATION	**RIVER**	**Miles from Berkley Bridge**	**ID**
CENTER ST., BERKLEY BRIDGE	TAUNTON RIVER	0.0	TNT 000
PLAIN ST., TAUNTON	TAUNTON RIVER	4.3	TNT-043
LONGMEADOW BRIDGE, TAUNTON	TAUNTON RIVER	5.0	TNT-050
OLD COLONY, MIDDLEBORO	TAUNTON RIVER	11.3	TNT-113
GREEN ST., MIDDLEBORO	TAUNTON RIVER	15.8	TNT-158

FECAL COLIFORM BACTERIA 2003 (colonies/100 ml. sample)

Site	Jan	March	April	May	June	July	August	Sept	Oct	Nov
TNT 000	176	520	418	235	174	224	152	179	310	444*
TMR 004	46	70*	5*	54	44	164	104	251	60*	32*
TMR 034	83	25*	25*	76	80	132	184	96	56*	32*
TNT 043			35*			252*	244	330		
MIL 000			130			800*	600	410		
COB 013			10*			380*	640	300		
COB 000			65*			424*	380	260		
MIL 014	56*		40*							
MIL 030	26*		30*							
SNK 005	14*		5*							
COT 004	10*		5*	34*						
NMK 041	4*			46						
NMK 023	8*			26*						
TNT 158	932*		270	152						
TNT 050	1008*		260	36*						
TNT 113	980*		290	80						

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)	

Anti-/De-Icing products and ratios	% NaCl % $CaCl_2$ % $MgCl_2$ % 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)	