Municipality/Organization: Town of Wrentham

EPA NPDES Permit Number: MAR041175

MassDEP Transmittal Number: W-03682

Annual Report Number & Reporting Period: **Year 10** **April 1, 2012 – March 31, 2013**

NPDES PII Small MS4 General Permit Annual Report
(Due: May 1, 2013)

Part I. General Information

Contact Person: Michael Lavin Title: Superintendent of Public Works

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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: Michael Lavin

Title: Superintendent of Public Works

Date: April 25, 2013

Part II. Self-Assessment

The Town of Wrentham continued to implement best management practices in relation to street sweeping and catch basin cleaning.

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
	Distribute/Post Nonpoint Source Pollution Posters	DPW Supt.	Post in all school and Town buildings	Nonpoint source posters continued to be displayed in public locations.	No activities planned.
Revised					
	Air stormwater message on local cable access channel	DPW Supt.	Post one message per month	Messages were to be aired on local cable access channel	Continue to air stormwater messages on local access cable channel.
Revised					
	Obtain and distribute auto repair shop brochures	DPW Supt.	Distribute to all impacted local businesses	No activities were planned.	No activities are planned.
Revised					
	Add stormwater to the town's website	DPW Supt.	Update information quarterly to address seasonal changes	The town's website has been redesigned and implemented during this reporting year.	Work with new website.
Revised					
	Prepare and distribute stormwater brochure	DPW Supt.	Distribute to local businesses and schools	Brochures remain available to residents and businesses.	No activities planned.
Revised					
Revised					

1a. Additions

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
	Hold public meetings with local residents	DPW Supt.	Conduct two public meetings during the permit cycle.	Public meetings were held in years 2 and 5.	No activities planned.
Revised					
	Coordinate public outreach program	DPW Supt.	Conduct two workshops for residents over the permit cycle.	No activities were planned.	No activities planned.
Revised					
	Hold Household Hazardous Waste Day	Recycling Committee	Hold a collection day each year.	Wrentham held a HHWD.	Hold a HHWD.
Revised					
Revised					
Revised					
Revised					

2a. Additions

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
	Map outfalls and receiving waters	DPW Supt.	Develop map in first permit year and map 25% of outfalls that drain urbanized areas in each year after	All outfalls within Phase II urbanized areas were mapped during Permit years 1 & 2	No activities planned.
Revised					
	Review existing bylaws	DPW Supt.	Determine if existing bylaws and regs fulfill EPA requirements.	The BOH adopted regulations complying with EPA requirements on 3/23/09	No activities planned.
Revised					
	Develop illicit discharge, detection and elimination plan	DPW Supt.	Make recommendations for inclusion into plan	IDDE plans were included in the BOH regulations adopted 3/23/09	No activities planned.
Revised					
	Develop/modify general illicit discharge bylaw	DPW Supt.	Propose recommendations for modifying/developing bylaw	Included in the BOH regulation adopted 3/23/09.	No activities planned.
Revised					
	Present bylaw for town meeting action	DPW Supt.	Make presentation for town meeting action.	No activities were planned.	No activities planned.
Revised					
Revised					

3a. Additions

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
	Review existing site inspection practices	BoH/Planning Board retained inspector	Determine if existing practices fulfill EPA requirements	No activities	No activities planned.
Revised					
	Develop/modify site inspection program	BoH/Planning Board retained inspector	Make recommendations for modifying existing program	The BOH adopted stormwater regulations on 3/23/09 addressing such requirements.	No activities planned.
Revised					
	Review existing bylaws and regulations	BoH/Planning Board retained inspector	Determine if existing bylaws and regs fulfill EPA requirements	The BOH adopted stormwater regulations on 3/23/09 addressing such requirements	No activities planned.
Revised					
	Develop/modify bylaw for construction site runoff	BoH/Planning Board retained inspector	Propose recommendations for modifying/developing bylaw	The BOH adopted stormwater regulations on 3/23/09	No activities planned.
Revised					
	Present bylaw for town meeting action	BoH/Planning Board retained inspector	Make presentation for town meeting action.	The BOH adopted stormwater regulations on 3/23/09	No activities planned.
Revised					
Revised					

4a. Additions

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
	Review existing site inspection practices	Board of Health	Determine if existing practices fulfill EPA requirements	During permit year 2, the town's existing site inspection and maintenance practices were reviewed to determine whether the existing site inspection and maintenance practices complied with EPA's requirements.	No activities planned.
Revised					
	Develop/modify inspection and maintenance practices	Board of Health	Make recommendations for modifying existing practices	During permit year 2, existing site inspection and maintenance practices were reviewed. Recommended changes were incorporated into the subsequent BOH regulations.	No activities planned.
Revised					
	Review existing bylaws and regulations	Board of Health	Determine if existing bylaws and regs fulfill EPA requirements	During permit year 2, existing site inspection and maintenance practices were reviewed. Recommended changes were incorporated into the subsequent BOH regulations.	No activities planned.
Revised					
	Develop/modify bylaws for post-construction site runoff	Board of Health	Propose recommendations for modifying/developing bylaw	A post-construction site runoff portion of the stormwater bylaw was drafted and subsequently adopted ad a BOH regulation.	No activities planned.
Revised					
	Present bylaw for town meeting action	Board of Health	Make presentation for town meeting action	The bylaw was turned down at town meeting and subsequently passed as a BOH regulation.	No activities planned.
Revised					
Revised					

5a. Additions

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
	Street sweeping program	DPW Supt.	Sweep all streets up to twice per year	All streets were swept once and the streets near water bodies were swept twice	The DPW is requesting to purchase a vacuum street sweeper at the next Annual Town Meeting
Revised					
	Catch basin cleaning program	DPW Supt.	Clean all catch basins at least once each year	All catch basins were cleaned once, relative fullness of basins was noted.	Clean all catch basins necessary based on data from previous year.
Revised					
	Perform site visits to examine existing practices at town facilities	DPW Supt.	Target all applicable town facilities	Performed periodic site inspections of town facilities.	Continue periodic inspections of town facilities.
Revised					
	Train municipal employees	DPW Supt.	Target all applicable municipal facilities	Training continued.	Continue training.
Revised					
	Perform follow ups to ensure required practices are met	DPW Supt.	Target all applicable municipal facilities	Follow ups continued.	Continue follow ups.
Revised					
Revised					

6a. Additions

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**
Revised					
Revised					
Revised					
Revised					
Revised					
Revised					

7a. Additions

7b. WLA Assessment

Part IV. Summary of Information Collected and Analyzed

Part V. Program Outputs & Accomplishments (OPTIONAL)
(Since beginning of permit coverage unless specified otherwise by a **, which indicates response is for period covering April 1, 2010 through March 31, 2011)

Programmatic

	(Preferred Units)	Response
Stormwater management position created/staffed	(y/n)	N
Annual program budget/expenditures **	($)	$63,719
Total program expenditures since beginning of permit coverage	($)	$256,719
Funding mechanism(s) (General Fund, Enterprise, Utility, etc)		General Fund and Chapter 90 state aid

Education, Involvement, and Training

Estimated number of property owners reached by education program(s)	(# or %)	8%
Stormwater management committee established	(y/n)	Y
Stream teams established or supported	(# or y/n)	N
Shoreline clean-up participation or quantity of shoreline miles cleaned **	(y/n or mi.)	Y
Shoreline cleaned since beginning of permit coverage	(mi.)	
Household Hazardous Waste Collection Days		
▪ days sponsored **	(#)	1
▪ community participation **	(# or %)	10%
▪ material collected **	(tons or gal)	1.5 ton est.
School curricula implemented	(y/n)	Y

Legal/Regulatory

	In Place Prior to Phase II	Reviewing Existing Authorities	Drafted	Draft in Review	Adopted
Regulatory Mechanism Status (indicate with "**X**")					
▪ Illicit Discharge Detection & Elimination					X
▪ Erosion & Sediment Control					X
▪ Post-Development Stormwater Management					X
Accompanying Regulation Status (indicate with "**X**")					
▪ Illicit Discharge Detection & Elimination					X
▪ Erosion & Sediment Control					X
▪ Post-Development Stormwater Management					X

Mapping and Illicit Discharges

	(Preferred Units)	Response
Outfall mapping complete	(%)	100
Estimated or actual number of outfalls	(#)	200
System-Wide mapping complete (complete storm sewer infrastructure)	(%)	100
Mapping method(s)		
▪ Paper/Mylar	(%)	20
▪ CADD	(%)	0
▪ GIS	(%)	80
Outfalls inspected/screened **	(# or %)	5
Outfalls inspected/screened (Since beginning of permit coverage)	(# or %)	100%
Illicit discharges identified **	(#)	0
Illicit discharges identified (Since beginning of permit coverage)	(#)	2
Illicit connections removed **	(#); and (est. gpd)	0
Illicit connections removed (Since beginning of permit coverage)	(#); and (est. gpd)	2
% of population on sewer	(%)	1%
% of population on septic systems	(%)	99%

Construction

	(Preferred Units)	Response
Number of construction starts (>1-acre) **	(#)	1
Estimated percentage of construction starts adequately regulated for erosion and sediment control **	(%)	1
Site inspections completed **	(# or %)	156
Tickets/Stop work orders issued **	(# or %)	0
Fines collected **	(# and $)	0
Complaints/concerns received from public **	(#)	1

Post-Development Stormwater Management

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

Operations and Maintenance

Average frequency of catch basin cleaning (non-commercial/non-arterial streets) **	(times/yr)	1
Average frequency of catch basin cleaning (commercial/arterial or other critical streets) **	(times/yr)	1
Qty of structures cleaned **	(#)	950
Qty. of storm drain cleaned **	(%, LF or mi.)	0
Qty. of screenings/debris removed from storm sewer infrastructure **	(lbs. or tons)	40 tons
Disposal or use of screenings (landfill, POTW, compost, beneficial use, etc.) **	(location)	compost

Basin Cleaning Costs		
• Annual budget/expenditure (labor & equipment)**	($)	$17,000
• Hourly or per basin contract rate **	($/hr or $ per basin)	
• Disposal cost**	($)	0
Cleaning Equipment		
• Clam shell truck(s) owned/leased	(#)	1
• Vacuum truck(s) owned/leased	(#)	
• Vacuum trucks specified in contracts	(y/n)	
• % Structures cleaned with clam shells **	(%)	950
• % Structures cleaned with vactor **	(%)	

	(Preferred Units)	Response
Average frequency of street sweeping (non-commercial/non-arterial streets) **	(times/yr)	1.2
Average frequency of street sweeping (commercial/arterial or other critical streets) **	(times/yr)	1
Qty. of sand/debris collected by sweeping **	(lbs. or tons)	45tons
Disposal of sweepings (landfill, POTW, compost, beneficial use, etc.) **	(location)	Compost
Annual Sweeping Costs		
• Annual budget/expenditure (labor & equipment)**	($)	$16,359
• Hourly or lane mile contract rate **	($/hr. or ln mi.)	
• Disposal cost**	($)	
Sweeping Equipment		
• Rotary brush street sweepers owned/leased	(#)	1
• Vacuum street sweepers owned/leased	(#)	
• Vacuum street sweepers specified in contracts	(y/n)	
• % Roads swept with rotary brush sweepers **	%	100
• % Roads swept with vacuum sweepers **	%	

Reduction (since beginning of permit coverage) in application on public land of: (“N/A” = never used; “100%” = elimination)

▪ Fertilizers	(lbs. or %)	0
▪ Herbicides	(lbs. or %)	100
▪ Pesticides	(lbs. or %)	0
Integrated Pest Management (IPM) Practices Implemented	(y/n)	Y

	(Preferred Units)	Response
Average Ratio of Anti-/De-Icing products used ** (also identify chemicals and ratios used in specific areas, e.g., water supply protection areas)	% NaCl % $CaCl_2$ % $MgCl_2$ % CMA % Kac % KCl % Sand	100 100% used in water supply areas
Pre-wetting techniques utilized **	(y/n or %)	Y
Manual control spreaders used **	(y/n or %)	Y
Zero-velocity spreaders used **	(y/n or %)	N
Estimated net reduction or increase in typical year salt/chemical application rate	(±lbs/ln mi. or %)	50% increase in salt usage
Estimated net reduction or increase in typical year sand application rate **	(±lbs/ln mi. or %)	50%reduction is sand usage
% of salt/chemical pile(s) covered in storage shed(s)	(%)	100
Storage shed(s) in design or under construction	(y/n or #)	N
100% of salt/chemical pile(s) covered in storage shed(s) by May 2008	(y/n)	Y

Water Supply Protection

Storm water outfalls to public water supplies eliminated or relocated	# or y/n	N
Installed or planned treatment BMPs for public drinking water supplies and their protection areas	# or y/n	N
Treatment units induce infiltration within 500-feet of a wellhead protection area	# or y/n	N