

Municipality/Organization: Wrentham

EPA NPDES Permit Number: MAR041175

MassDEP Transmittal Number: W-036282

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: Irving Priest

Title: Superintendent

Telephone #: 508-384-5477

Email: ipriest@wrentham.ma.us

Mailing Address: P.O. Box 658, Wrentham, MA 02093

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: Irving A. Priest

Title: Superintendent

Date: April 21, 2011

Part II. Self-Assessment

The Town has 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
1a	Distribute/Post Nonpoint Source Pollution Posters	DPW Supt.	Post in all school and Town buildings	Nonpoint source pollution posters continued to be displayed in public locations.	Refresh posters.
Revised					
1b	Air stormwater message on local cable access channel	DPW Supt.	Post one message every month	Workshops and messages were to be aired on Wrentham Cable Access.	Continue to air stormwater messages on local cable access. Add messages regarding zero phosphate fertilizer.
Revised					
1c	Obtain and distribute auto repair shop brochures	DPW Supt.	Distribute to all impacted local businesses	No activities were planned.	No activities are planned.
Revised					
1d	Add stormwater information to the Town's website	DPW Supt.	Update information quarterly to address seasonal concerns	The Town is still redesigning the website.	There will be a list of stormwater links added to the website.
Revised					
1e	Prepare and distribute stormwater brochure.	DPW Supt.	Distribute to local residents, 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
2a	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					
2b	Coordinate public outreach program	DPW Supt.	Conduct two workshops for residents over the permit cycle	Public education workshops were held at the local school, articles were placed in the local newspaper, and aired on local cable tv.	No activities planned.
Revised					
2c	Hold Household Hazardous Waste Day	Recycling Committee	Hold a collection day each year.	Wrentham held a HHWD.	The Recycling Committee is planning on holding 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
3a	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					
3b	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					
3c	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					
3d	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					
3e	Present bylaw for town meeting action	DPW Supt.	Make presentation for town meeting action.	The proposed bylaw was presented at town meeting and turned down.	No activities planned.
Revised					
Revised					

3a. Additions

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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
4a	Review existing site inspection practices	DPW Supt.	Determine if existing practices fulfill EPA requirements	No activities	No activities planned
Revised					
4b	Develop/modify site inspection program	DPW Supt.	Make recommendations for modifying existing program.	The BOH adopted stormwater regulations on 3/23/09 addressing such requirements.	No activities planned
Revised					
4c	Review existing bylaws and regulations	DPW Supt.	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					
4d	Develop/modify bylaw for construction site runoff	DPW Supt.	Propose recommendations for modifying/developing bylaw	The BOH adopted stormwater regulations on 3/23/09.	No activities planned
Revised					
4e	Present bylaw for town meeting action	DPW Supt.	Make presentations for town meeting action	The BOH adopted stormwater regulations on 3/23/09	No activities planned
Revised					
Revised					

4a. Additions

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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
5a	Review existing site inspection practices	DPW Supt.	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					
5b	Develop/modify inspection and maintenance practices	DPW Supt.	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 passed 3/23/09.	No planned activities
Revised					
5c	Review existing bylaws and regulations	DPW Supt.	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 passed 3/23/09	No activities planned
Revised					
5d	Develop/modify bylaws for post-construction site runoff	DPW Supt.	Propose recommendations for modifying/developing bylaw	A post-construction site runoff portion of the stormwater bylaw was drafted and subsequently adopted as a BOH regulation on 3/23/09	No planned activities
Revised					
5e	Present bylaw for town meeting action	DPW Supt.	Make presentations for town meeting action	The bylaw was turned down at town meeting and subsequently passed as a BOH regulation on 3/23/09	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
6a Revised	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 will continue the same street sweeping program
6b Revised	Catch basin cleaning program	DPW Supt.	Clean all catch basins at least once each year	All catch basins were cleaned once.	The DPW will continue the same catch basin cleaning program and will note relative fullness of basins.
6c Revised	Perform site visits to examine existing practices at town facilities	DPW Supt.	Target all applicable municipal facilities	The town performed site visits to examine existing practices at municipal facilities	The town will continue periodic inspections of municipal facilities
6d Revised	Train municipal employees at each town facility	DPW Supt.	Target all applicable municipal facilities	Training of employees continued	Training will continue
6e Revised	Perform follow-ups to ensure required practices are met	DPW Supt.	Target all applicable municipal facilities	Annual follow-ups were performed at municipal facilities to ensure that employees working at these facilities are following the required stormwater management practices, and that new employees are receiving the required training	Follow-ups will continue
Revised					

6a. Additions

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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 **	(\$)		\$0
Total program expenditures since beginning of permit coverage	(\$)		\$193,000
Funding mechanism(s) (General Fund, Enterprise, Utility, etc)			Capital Improvements

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)		
School curricula implemented	(y/n)		Y

Legal/Regulatory

Regulatory Mechanism Status (indicate with "X")	In Place Prior to Phase II	Reviewing Existing Authorities	Drafted	Draft in Review	Adopted
▪ 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 **			170%
Outfalls inspected/screened (Since beginning of permit coverage)	(# or %)		100%
Illicit discharges identified **	(#)		2
Illicit discharges identified (Since beginning of permit coverage)	(#)		2
Illicit connections removed **	(#); and (est. gpd)		2
Illicit connections removed (Since beginning of permit coverage)	(#); and (est. gpd)		2
% of population on sewer	(%)		0
% of population on septic systems	(%)		100

Construction

	(Preferred Units) Response	
Number of construction starts (>1-acre) **	(#)	0
Estimated percentage of construction starts adequately regulated for erosion and sediment control **	(%)	0
Site inspections completed **	(# or %)	0
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)	50 tons
Disposal or use of screenings (landfill, POTW, compost, beneficial use, etc.) **	(location)	Compost

Basin Cleaning Costs		
• Annual budget/expenditure (labor & equipment)**	(\$)	16,552 est.
• 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 vacor **	(%)	0

	(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)	50 tons
Disposal of sweepings (landfill, POTW, compost, beneficial use, etc.) **	(location)	Compost
Annual Sweeping Costs		
• Annual budget/expenditure (labor & equipment)**	(\$)	15,960 est.
• Hourly or lane mile contract rate **	(\$/hr. or ln mi.)	
• Disposal cost**	(\$)	0
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 **	%	0

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 **	% NaCl	100
(also identify chemicals and ratios used in specific areas, e.g., water supply protection areas)	% CaCl ₂	
	% MgCl ₂	
	% CMA	
	% Kac	
	% KCl	
	% Sand	100 in water supply
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 %)	20%
Estimated net reduction or increase in typical year sand application rate **	(±lbs/ln mi. or %)	80%
% 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

# or y/n	N
• Treatment units induce infiltration within 500-feet of a wellhead protection area	