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Municipality/Organization: Town of Marion

EPA NPDES Permit Number: 416-9000

MassDEP Transmittal Number: W-

Annual Report Number Year 6
& Reporting Period: April 1, 2008 – March 31, 2009

NPDES PII Small MS4 General Permit Annual Report (Due: May 1, 2009)

Part I. General Information

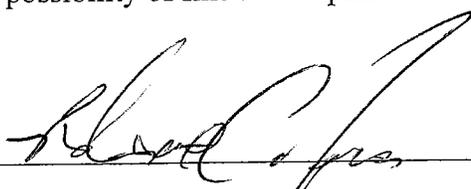
Contact Person: Robert C. Zora Title: DPW Superintendent

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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: Robert C. Zora

Title: DPW Superintendent

Date: June 9, 2009

Part II. Self-Assessment

Rob Zora, DPW Director will once again reorganize the Stormwater Management Committee. Committee yearly and will make sure all local boards are represented on the committee. DPW budget has been level for three years with a 3% cut in salaries and wages, but the department will make every effort to reach our goals. Also, we will submit reports on time.

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 4 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 5
1-1 Revised	Educational Flyer	DPW – Rob Zora	Flyer prepared and delivered	Flyer has been prepared, printed and distributed.	Print and Mail Annually with May Water & Sewer bills
1-2 Revised	Annual Meeting Hearing	DPW – Rob Zora	Meeting Advertised and Held	Stormwater Committee will hold the meeting and invite Public input	On-Going
1-3 Revised	Postings of Maps	DPW – Rob Zora	Maps displayed	Maps on display at Town Hall and the DPW office	Maps displayed, On-Going
1-4 Revised	Web Page	Webmaster	Page Developed and Maintained	On-Going	On-Going
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 4 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 5
2-1 Revised	Public Participation	Board of Health and DPW	Maintain a complaint report file	On-Going	On-Going
2-2 Revised	Stormwater Management Committee	DPW – Rob Zora	Meets once a year	Meeting held in April	Meeting Annually April – May On-Going
2-3 Revised	Annual Selectmens Meeting	DPW – Rob Zora	Meeting advertised and held	On-Going	On-Going
2-4 Revised	Storm Drain Stenciling	DPW – Rob Zora	Documentation of number of catch basins	Stenciled and Painted – Completed	Repainted, On-Going yearly
2-5 Revised	Hazardous Material Collection	DPW – Rob Zora	Documentation of Hazardous Material collected	Held on May 2, 2009 by the CMW Regional Disposal District	On-Going, held yearly in May
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 4 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 5
3-1 Revised	Discharge Identification	Harbormaster and Marine Department	Production of Maps	All located and checked yearly	On-Going
3-2 Revised	Drainage Mapping	Harbormaster and Marine Department	Production of Maps	Displayed – Town Hall, Library, and DPW office.	On-Going
3-3 Revised	Illicit Discharge Identification	DPW and Board of Health	Quantity illicit discharges and correct	Fall	On-Going
3-4 Revised	Illicit Discharge Identification	Board of Health	Necessary Regulation Changes made	Revived	On-Going, Annually
3-5 Revised	Board of Health Training	Board of Health	Meeting Held	Winter	On-Going, Annually
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 4 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 5
4-1 Revised	Conservation Committee Bylaw Review	Conservation Committee	Submission of articles at Town Meeting if necessary	On-Going, Annually	On-Going, Annually
4-2 Revised	Planning Board Subdivision Regulation Review	Planning Board	Submission of articles at Town Meeting if necessary	On-Going, Annually	On-Going, Annually
4-3 Revised	Planning Board Zoning Bylaw Review Change	Planning Board	Submission of articles at Town Meeting if necessary	On-Going, Annually	On-Going, Annually
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 4 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 5
5-1 Revised	Conservation Committee By-Lay	Conservation Committee	Review Wetland By-Law	On-Going	On-Going
5-2 Revised	Planning Board Subdivision Regulations Review	Planning Board	Necessary regulation changes made	Review, On-Going	Review, On-Going
5-3 Revised	Planning Board, Zoning and new Zoning By-Laws reviewed	Planning Board	Submission of town meeting articles if necessary	Review by March	On-Going
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 4 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 5
6-1 Revised	DPW Policy Guide	DPW – Rob Zora	Preparation of policy guide	On-Going	On-Going
6-2 Revised	DPW Annual Training	DPW – Rob Zora	Completion of annual training	Annual in January	On-Going, annually in January
6-3 Revised	DPW Permit Filing	DPW – Rob Zora	Copies of permits on file	Permits filed, On-Going	Permits filed, On-Going
Revised					
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 4 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 5
Revised				Not Applicable	Not Applicable
Revised				Not Applicable	Not Applicable
Revised				Not Applicable	Not Applicable
Revised				Not Applicable	Not Applicable
Revised				Not Applicable	Not Applicable
Revised				Not Applicable	Not Applicable
Revised				Not Applicable	Not Applicable

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, 2006 through March 31, 2007)

Programmatic

	(Preferred Units)	Response
Stormwater management position created/staffed	(y/n)	
Annual program budget/expenditures **	(\$)	1500.00 Estimate
Total program expenditures since beginning of permit coverage	(\$)	4500.00 Estimate
Funding mechanism(s) (General Fund, Enterprise, Utility, etc)	DPW	
	Budget	

Education, Involvement, and Training

Estimated number of property owners reached by education program(s)	(# or %)	85
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.)	April
	Y	
Shoreline cleaned since beginning of permit coverage	(mi.)	No
Household Hazardous Waste Collection Days		
<ul style="list-style-type: none"> ▪ days sponsored ** ▪ community participation ** ▪ material collected ** 	(#)	1
School curricula implemented	(# or %)	unknown
	(tons or gal)	
	(y/n)	N

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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	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	(#) 127	
System-Wide mapping complete (complete storm sewer infrastructure)	(%) 100	
Mapping method(s)		
▪ Paper/Mylar	(%) 100	
▪ CADD	(%) 100	
▪ GIS	(%) 100	
Outfalls inspected/screened **	(# or %) 100	Inspected Only
Outfalls inspected/screened (Since beginning of permit coverage)	(# or %) 0	
Illicit discharges identified **	(#) 0	
Illicit discharges identified (Since beginning of permit coverage)	(#) 0	
Illicit connections removed **	(#); and (est. gpd) 0	

Illicit connections removed (Since beginning of permit coverage)	(#); and (est. gpd) 0
% of population on sewer	(%) 75
% of population on septic systems	(%) 25

Construction

	(Preferred Units)	Response
Number of construction starts (>1-acre) **	(#) 1	
Estimated percentage of construction starts adequately regulated for erosion and sediment control **	(%) 100	
Site inspections completed **	(# or %) 100	
Tickets/Stop work orders issued **	(# or %) 0	
Fines collected **	(# and \$) 0	
Complaints/concerns received from public **	(#) 0	

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) N
Low-impact development (LID) practices permitted and encouraged	(y/n) Y

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 **	(#) 250
Qty. of storm drain cleaned **	(%, LF or mi.) ½ mile

Qty. of screenings/debris removed from storm sewer infrastructure **		(lbs. or tons) 10 tons	
Disposal or use of screenings (landfill, POTW, compost, beneficial use, etc.) **		(location) compost	

Basin Cleaning Costs	
• Annual budget/expenditure (labor & equipment)**	(\$) 6000.00
• Hourly or per basin contract rate **	(\$/hr or \$ per basin) N/A
• Disposal cost**	(\$) 0
Cleaning Equipment	
• Clam shell truck(s) owned/leased	(#) 1 owned
• Vacuum truck(s) owned/leased	(#) 0
• Vacuum trucks specified in contracts	(y/n) N
• % Structures cleaned with clam shells **	(%) 100
• % Structures cleaned with vacor **	(%) 0

	(Preferred Units)	Response
Average frequency of street sweeping (non-commercial/non-arterial streets) **	(times/yr) 2	
Average frequency of street sweeping (commercial/arterial or other critical streets) **	(times/yr) 2	
Qty. of sand/debris collected by sweeping **	(lbs. or tons)	150 tons
Disposal of sweepings (landfill, POTW, compost, beneficial use, etc.) **	(location)	Town Compost
Annual Sweeping Costs		
• Annual budget/expenditure (labor & equipment)**	(\$)10,000.00	
• Hourly or lane mile contract rate **	(\$/hr. or In mi.) N/A	Town, In- House
• Disposal cost**	(\$) 0	
Sweeping Equipment		
• Rotary brush street sweepers owned/leased	(#) 1 owned	
• Vacuum street sweepers owned/leased	(#) 0	
• Vacuum street sweepers specified in contracts	(y/n) N	
• % Roads swept with rotary brush sweepers **	% all	Town roads
• % 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 %)	N/A
▪ Herbicides	(lbs. or %)	N/A
▪ Pesticides	(lbs. or %)	N/A
Integrated Pest Management (IPM) Practices Implemented	(y/n)	

(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	10% 0% 0% 0% 0% 0% 80%
Pre-wetting techniques utilized **	(y/n or %)	No
Manual control spreaders used **	(y/n or %)	No
Zero-velocity spreaders used **	(y/n or %)	Yes
Estimated net reduction or increase in typical year salt/chemical application rate	(±lbs/ln mi. or %)	Less
Estimated net reduction or increase in typical year sand application rate **	(±lbs/ln mi. or %)	Less
% of salt/chemical pile(s) covered in storage shed(s)	(%) 0	
Storage shed(s) in design or under construction	(y/n or #) No	
100% of salt/chemical pile(s) covered in storage shed(s) by May 2008	(y/n) Yes	

Water Supply Protection

Storm water outfalls to public water supplies eliminated or relocated	# or y/n N/A
Installed or planned treatment BMPs for public drinking water supplies and their protection areas	# or y/n N/A
<ul style="list-style-type: none"> • Treatment units induce infiltration within 500-feet of a wellhead protection area 	# or y/n N