



TOWN OF MARION  
2 SPRING STREET  
MARION, MASSACHUSETTS 02738-1519

June 6, 2008

Ann Herrick – CIP  
U.S. Environmental Protection Agency – Region 1  
1 Congress Street, Suite 1100  
Boston, MA 02114-2023

Dear Ms. Herrick:

Enclosed please find the NPDES PII Small MS4 General Permit Annual Report for the Town of Marion. We unintentionally forgot to mail out the report; they were complete but not mailed due to communication error. We apologize for this error.

If you have any questions, please feel free to contact me at (508) 748-3540 ext. 107.

Respectfully,

Robert C. Zora  
DPW Superintendent

Cc: Fred Civian, Mass DEP

**Municipality/Organization:** Town of Marion

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**EPA NPDES Permit Number:** 4169000

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**MassDEP Transmittal Number:** W-

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**Annual Report Number  
& Reporting Period:** April 1, 2007 – March 31, 2008

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**NPDES PII Small MS4 General Permit  
Annual Report  
(Due: May 1, 2008)**

**Part I. General Information**

Contact Person: Robert C. Zora Title: DPW Superintendent

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Telephone #: 508-748-3540 ext. 107 Email: rzora@marionma.gov

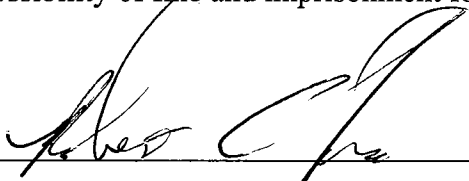
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Mailing Address: P.O. Box 1050, Marion, MA 02738

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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: 

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Printed Name: Robert C. Zora

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Title: DPW Superintendent

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Date: May 1, 2008

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## **Part II. Self-Assessment**

**Rob Zora, DPW Director will once again reorganize the Stormwater Management Committee. Committee meetings held yearly and will make sure all local boards are represented on the committee. DPW budget has been level funded for the past two years and will make every effort to reach our measurable goals.**

**Part III. Summary of Minimum Control Measures**

**1. Public Education and Outreach**

<b>BMP ID #</b>	<b>BMP Description</b>	<b>Responsible Dept./Person Name</b>	<b>Measurable Goal(s)</b>	<b>Progress on Goal(s) – Permit Year 4</b> (Reliance on non-municipal partners indicated, if any)	<b>Planned Activities – Permit Year 5</b>
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 and Sewer bills
1-2 Revised	Annual Public Hearing	Board of Selectmen and Town Administrator	Meeting Advertised and Held	Stormwater Committee will hold the meeting and invite Public input	On-Going
1-3 Revised	Posting of Maps	DPW – Rob Zora	Maps displayed	Maps on display at the 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**

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## 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	Public Participation	Board of Health and DPW	Maintain a complaint report file	On-Going	On-Going
Revised					
2-2	Stormwater Management Committee	DPW – Rob Zora	Meets once a year	Meeting held in May 2007	Meeting Annually April-May On-Going
Revised					
2-3	Annual Selectmens Meeting Review	DPW – Rob Zora	Meeting advertised and held	On-Going	On-Going
Revised					
2-4	Storm Drain Stenciling	DPW – Rob Zora	Documentation of number of catch basins	Stencild and Painted – Completed	Repainted, On-Going yearly
Revised					
2-5	Hazardous Material Collection	DPW – Rob Zora	Documentation of Hazardous Material collected	To be held on May 3, 2008 by the CMW Regional Disposal District	On-Going, held yearly in May
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 4 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 5
3-1	Discharge Identification	Harbormaster and Marine Department	Production of Maps	Sippican Harbor - West	Aucoot Cove and Non-Coastal areas within the Urbanized areas
Revised					
3-2	Drainage Mapping	Harbormaster and Marine Department	Production of Maps	Displayed – Town Hall, Library, and DPW office.	On-Going
Revised					
3-3	Illicit Discharge Identification	DPW and Board of Health	Quantity illicit discharges and correct	Fall	On-Going
Revised					
3-4	Illicit Discharge Identification	Board of Health	Necessary Regulation Changes made	Reviewed	On-Going, Annually
Revised					
3-5	Board of Health Training	Board of Health	Meeting Held	Winter	On-Going, Annually
Revised					
Revised					

#### 3a. Additions






**4. Construction Site Stormwater Runoff Control**

<b>BMP ID #</b>	<b>BMP Description</b>	<b>Responsible Dept./Person Name</b>	<b>Measurable Goal(s)</b>	<b>Progress on Goal(s) – Permit Year 4 (Reliance on non-municipal partners indicated, if any)</b>	<b>Planned Activities – Permit Year 5</b>
4-1	Conservation Committee Bylaw Review	Conservation Committee	Submission of articles at Town Meeting if necessary	On-Going, Annually	On-Going, Annually
Revised					
4-2	Planning Board Subdivision Regulation Review	Planning Board	Submission of articles at Town Meeting if necessary	On-Going, Annually	On-Going, Annually
Revised					
4-3	Planning Board Zoning Bylaw Review Change	Planning Board	Submission of articles at Town Meeting if necessary	On-Going, Annually	On-Going, Annually
Revised					
Revised					
Revised					
Revised					

**4a. Additions**


**5. Post-Construction Stormwater Management in New Development and Redevelopment**

<b>BMP ID #</b>	<b>BMP Description</b>	<b>Responsible Dept./Person Name</b>	<b>Measurable Goal(s)</b>	<b>Progress on Goal(s) – Permit Year 4 (Reliance on non-municipal partners indicated, if any)</b>	<b>Planned Activities – Permit Year 5</b>
5-1 Revised	Conservation Committee By-Law	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					
Revised					
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 4 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 5
6-1	DPW Policy Guide	DPW – Rob Zora	Preparation of policy guide	On-Going	On-Going
Revised					
6-2	DPW Annual Training	DPW – Rob Zora	Completion of annual training	Annual in January	On-Going, annually in January
Revised					
6-3	DPW Permit Filing	DPW – Rob Zora	Copies of permits on file	Permits filed, On-Going	Permits filed, On-Going
Revised					
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				“ “	“ “
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, 2006 through March 31, 2007)

**Programmatic**

	(Preferred Units)	Response
Stormwater management position created/staffed	(y/n)	
Annual program budget/expenditures **	(\$) 3,000.00	Estimate
Total program expenditures since beginning of permit coverage	(\$)	
Funding mechanism(s) (General Fund, Enterprise, Utility, etc)		

**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.)	N
Shoreline cleaned since beginning of permit coverage	(mi.)	No
Household Hazardous Waste Collection Days		
▪ days sponsored **	(#)	1
▪ community participation **	(# or %)	unknown
▪ material collected **      Sponsored by CMW Refuse District	(tons or gal)	
School curricula implemented	(y/n)	No

## 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					
▪ 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)	(#)	
Illicit connections removed **	(#); and (est. gpd) 0	
Illicit connections removed (Since beginning of permit coverage)	(#); and (est. gpd)	

% of population on sewer	(%) 75	
% of population on septic systems	(%) 25	

### Construction

	(Preferred Units)	Response
Number of construction starts (>1-acre) **	(#) 21	
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) No	
Low-impact development (LID) practices permitted and encouraged	(y/n) Yes	

### 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	
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Basin Cleaning Costs		
• Annual budget/expenditure (labor & equipment)**	(\$)	6,000.00
• 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)	No
• % Structures cleaned with clam shells **	(%)	100
• % Structures cleaned with vector **	(%)	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 ln mi.)	N/A
• 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
• % 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 <sub>2</sub> % MgCl <sub>2</sub> % 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"><li>Treatment units induce infiltration within 500-feet of a wellhead protection area</li></ul>	# or y/n No	