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Municipality/Organization: Strafford County Commissioners

EPA NPDES Permit Number: NHR042004

MassDEP Transmittal Number: W-

Annual Report Number Year 7
& Reporting Period: April 1, 2009 – March 31, 2010

NPDES PII Small MS4 General Permit Annual Report (Due: May 1, 2010)

Part I. General Information

Contact Person: Kenneth Robichaud Title: Asst. County Administrator

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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: Kenneth Robichaud

Title: Asst. County Administrator

Date: 04/28/2010

Part II. Self-Assessment

Stafford County has completed the required self assessment and it has been determined that our municipality is in compliance with all of the permit conditions.

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 7 (Reliance on non-municipal partners indicated, if any)	Planned Activities
1.3 Revised	SWMP into County Government Week	Compliance Officer	Speaking with Students	Ongoing yearly informative meeting with high school students	Ongoing
1.2 Revised	County Wide emails	Compliance Officer	Create emails	Sent emails	Ongoing yearly email
Revised					
Revised					
Revised					
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 7 (Reliance on non-municipal partners indicated, if any)	Planned Activities
2.1	Public info Meeting	Compliance Officer	Cleanup of Cochecho River in Gonic and Dover	Conduct a cleanup of a portion of the Cochecho River from Gonic to Dover ending on the County Farm Complex May 7 th 2010	Yearly effort
Revised					
Revised					
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 7 (Reliance on non-municipal partners indicated, if any)	Planned Activities
3.2 Revised	Biannual Inspections	Compliance Officer	Written Inspections	Will continue with inspections every 6 months, unless illicit discharge is found, then on an as need basis	Continue with Biannual inspections
3.3 Revised	Bi Yearly perimeter inspections	Compliance Officer	Written inspections	Changed to biannual inspections unless report of illicit discharge, then on an as need basis.	Continue with Biannual inspections
Revised					
Revised					
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 7 (Reliance on non-municipal partners indicated, if any)	Planned Activities
Revised					
Revised					
Revised					
Revised					
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 7 (Reliance on non-municipal partners indicated, if any)	Planned Activities
Revised					
Revised					
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 7 (Reliance on non-municipal partners indicated, if any)	Planned Activities
6.1 Revised	Spreading of sand during winter months	Maintenance Dept.	Limit the use of salt and sand	Reuse sand salt mix whenever possible	Yearly goal
6.2 Revised	Sweeping of parking lots	Maintenance Dept.	Sweeping of lots monthly during winter months	Less sand buildup reduce chance of being carried to detention pond	Continue with program
6.3 Revised	Control litter in and around detention pond	Community Corrections	Keeping pond litter free	No litter	Ongoing program throughout year
6.6 Revised	Control evasive plants in pond area	Community Corrections	Eradicate purple loosestrife	Keeping evasive plants out of pond	Ongoing program
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 7 (Reliance on non-municipal partners indicated, if any)	Planned Activities
Revised					
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, 2009 through March 31, 2010)

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	(\$)	0	
Funding mechanism(s) (General Fund, Enterprise, Utility, etc)			

Education, Involvement, and Training

Estimated number of property owners reached by education program(s)	(# or %)	7,000	
Storm water management committee established	(y/n)	n	
Stream teams established or supported	(# or y/n)	n	
Shoreline clean-up participation or quantity of shoreline miles cleaned **	(y/n or mi.)	4 miles	
Shoreline cleaned since beginning of permit coverage	(mi.)	20 miles	
Household Hazardous Waste Collection Days			
▪ days sponsored **	(#)	0	
▪ community participation **	(# or %)		
▪ 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
<ul style="list-style-type: none"> ▪ Illicit Discharge Detection & Elimination ▪ Erosion & Sediment Control ▪ Post-Development Stormwater Management 					
Accompanying Regulation Status (indicate with "X")					
<ul style="list-style-type: none"> ▪ Illicit Discharge Detection & Elimination ▪ Erosion & Sediment Control ▪ Post-Development Stormwater Management 					

Mapping and Illicit Discharges

	(Preferred Units)	Response
Outfall mapping complete	(%)	
Estimated or actual number of outfalls	(#)	
System-Wide mapping complete (complete storm sewer infrastructure)	(%)	
Mapping method(s)		
<ul style="list-style-type: none"> ▪ Paper/Mylar ▪ CADD ▪ GIS 	(%)	
Outfalls inspected/screened **	(%)	
Outfalls inspected/screened (Since beginning of permit coverage)	(# or %)	
Illicit discharges identified **	(# or %)	
Illicit discharges identified (Since beginning of permit coverage)	(#)	
Illicit connections removed **	(#)	
	(#); and	
	(est. gpd)	
Illicit connections removed (Since beginning of permit coverage)	(#); and	
	(est. gpd)	
% of population on sewer	(%)	
% of population on septic systems	(%)	

Construction

	(Preferred Units)	Response
Number of construction starts (> 1-acre) **	(#)	
Estimated percentage of construction starts adequately regulated for erosion and sediment control **	(%)	
Site inspections completed **	(# or %)	4
Tickets/Stop work orders issued **	(# or %)	
Fines collected **	(# and \$)	
Complaints/concerns received from public **	(#) 0	0

Post-Development Storm water Management

Estimated percentage of development/redevelopment projects adequately regulated for post-construction stormwater control	(%)	
Site inspections (for proper BMP installation & operation) completed **	(# or %)	
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)	0
Average frequency of catch basin cleaning (commercial/arterial or other critical streets) **	(times/yr)	0
Qty of structures cleaned **	(#)	0
Qty. of storm drain cleaned **	(%, LF or mi.)	0
Qty. of screenings/debris removed from storm sewer infrastructure **	(lbs. or tons)	0
Disposal or use of screenings (landfill, POTW, compost, beneficial use, etc.) **	(location)	0

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

	(Preferred Units)	Response
Average frequency of street sweeping (non-commercial/non-arterial streets) **	(times/yr)	3 times/yr
Average frequency of street sweeping (commercial/arterial or other critical streets) **	(times/yr)	
Qty. of sand/debris collected by sweeping **	(lbs. or tons)	1 ton
Disposal of sweepings (landfill, POTW, compost, beneficial use, etc.) **	(location)	Reuse
Annual Sweeping Costs		
• Annual budget/expenditure (labor & equipment)**	(\$)	100.00
• Hourly or lane mile contract rate **	(\$/hr. or In mi.)	
• Disposal cost**	(\$)	0
Sweeping Equipment		
• Rotary brush street sweepers owned/leased	(#)	1
• Vacuum street sweepers owned/leased	(#)	0
• Vacuum street sweepers specified in contracts	(y/n)	n
• % Roads swept with rotary brush sweepers **	%	85%
• % 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 **	% NaCl	50%
(also identify chemicals and ratios used in specific areas, e.g., water supply protection areas)	% CaCl ₂	
	% MgCl ₂	
	% CMA	
	% Kac	
	% KCl	50%
	% Sand	
Pre-wetting techniques utilized **	(y/n or %)	n
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/in mi. or %)	-2000 lbs
Estimated net reduction or increase in typical year sand application rate **	(±lbs/in mi. or %)	-1000 lbs
% of salt/chemical pile(s) covered in storage shed(s)	(%)	100%
Storage shed(s) in design or under construction	(y/n or #)	y
100% of salt/chemical pile(s) covered in storage shed(s) by May 2008	(y/n)	100%

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
<ul style="list-style-type: none"> • Treatment units induce infiltration within 500-feet of a wellhead protection area 	# or y/n	n