

Municipality/Organization: DOVER

EPA NPDES Permit Number: MAR041107

MassDEP Transmittal Number: W-040845

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

Received
4/16/10

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

Part I. General Information

Contact Person: ROBERT H. HOMER, P.E. Title: TOWN ENGINEER

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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: DAVID HEINLEIN _____

Title: CHAIRMAN, DOVER BOARD OF SELECTMEN _____

Date: 4/8/10 _____

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Part II. Self-Assessment

There is no stormwater watershed committee and no public participation. Criteria regarding erosion control and rainfall runoff have been adopted and have been included in the Planning Board Rules and Regulations.

The selected BMP's are appropriate and has been in practice prior to Phase II.

We haven't reached our measurable goals yet.

There has been no testing within our urban areas relative to Phase II.

Public Education and Outreach has ceased.

There are no changes in the BMP'S or measurable goals.

The CWRRA is our partner in the program.

All of the town boards and departments continue in enlightening builders, developers, and owners regarding the Phase II and permit processes.

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
1.1	BPM Description	Engineering	None	None	None
Revised					
1.2	Press releases	Engineering	None	None	None
Revised					
1.3	Ground Water	Engineering	Locating wells and septic systems	None	None
Revised					
1.4	Hazardous waste collection	Volunteers	Places, dates, & time of pickups	Waste taken to Medfield	Collected waste during April
Revised					
1.5	Watershed management	Engineering	Part of Planning Board R & R	Appointed groundwater protection agent	none
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 Revised	Storm committee	none	none	none	Nor
2.2 Revised	Adopt a stream	none	none	none	None
2.3 Revised	Adopt a street	None	None	None	None
2.4 Revised	Stormwater management plan	Engineering	Completed	None	none
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
3.1	Map drain systems	Engineering	Show on street maps	Complete	None
Revised					
3.2	Capital budget and planning	Superintendent of streets	Inspect outfalls	Minor related to flooding	None
Revised					
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
4.1 Revised	Town regs	Superintendent of streets	Control runoff	By-laws governing runoff	Check building permit plans against Established check list
4.2 Revised	Site plan review	Engineering	Send checklist comments to designers	Designers use checklist before submitting permit plan	Continue process
4.3 Revised	Site inspection	Engineering & superintendent of streets	Foundation inspection for foundation drain and outlet	Contractors call for inspection before backfilling	Continue process
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
5.1	By-laws and Planning Board R & R	Engineer & planner	Adopt by-laws and regs	Adopted	None
Revised					
5.2	Design standards	Planning board ZBA	Check infrastructure construction	Atwood circle subdivision infrastructure complete	none
Revised					
5.3	Final inspection	Engineer	Inspection of infrastructure	Project approved	none
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	Coordination of town departments	Selectmen	Compliance with phase II	No non-compliance	None
6.2 Revised	Questionnaire on department activities	Engineering	Review of answered questionnaire	De-icing materials monitored All lawns treated organically	None
6.3 Revised	Street cleaning	Superintendent Of streets	Schedule operations	Annual spring cleanup	None
6.4 Revised	Catch basin cleaning	Super. Of streets	Street schedule	Silt deposited in town compost area	None
Revised	Employee training	Super. of streets Dir. Park & rec	Training for equipment operation	Operators of equipment trained	none
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
7.1	Check outfalls	Super of streets	Schedule dates	Inspected during flood events	None
Revised					
7.2	Identify illicit discharges	Engineer	Gather samples for lab tests	None	None
Revised					
7.3	Establish TDM'S	Engineer	Identify pollutant source if any	None found	None
Revised					
7.4	Pollutant removal	Engineer	Treatment units at key locations	Treatment units at points of discharge	none
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)	
Annual program budget/expenditures **	(\$)	
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 %)	
Stormwater management committee established	(y/n)	
Stream teams established or supported	(# or y/n)	
Shoreline clean-up participation or quantity of shoreline miles cleaned **	(y/n or mi.)	
Shoreline cleaned since beginning of permit coverage	(mi.)	
Household Hazardous Waste Collection Days		
▪ days sponsored **	(#)	
▪ community participation **	(# or %)	
▪ material collected **	(tons or gal)	
School curricula implemented	(y/n)	

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 - Erosion & Sediment Control - Post-Development Stormwater Management										
Accompanying Regulation Status (indicate with "X")										
- 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)			
- Paper/MyIar - CADD - GIS	(%)		
	(%)		
	(%)		
Outfalls inspected/screened **	(# or %)		
Outfalls inspected/screened (Since beginning of permit coverage)	(# or %)		
Illicit discharges identified **	(#)		
Illicit discharges identified (Since beginning of permit coverage)	(#)		
Illicit connections removed **	(#); and (est. gpd)		
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 %)	
Tickets/Stop work orders issued **	(# or %)	
Fines collected **	(# and \$)	
Complaints/concerns received from public **	(#)	

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

Basin Cleaning Costs			
• Annual budget/expenditure (labor & equipment)**	(\$)		
• 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 vactor **	(%)		

		(Preferred Units)		Response
Average frequency of street sweeping (non-commercial/non-arterial streets) **	(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)			
Disposal of sweepings (landfill, POTW, compost, beneficial use, etc.) **	(location)			
Annual Sweeping Costs				
• Annual budget/expenditure (labor & equipment)**	(\$)			
• Hourly or lane mile contract rate **	(\$/hr. or ln mi.)			
• Disposal cost**	(\$)			
Sweeping Equipment				
• Rotary brush street sweepers owned/leased	(#)			
• Vacuum street sweepers owned/leased	(#)			
• Vacuum street sweepers specified in contracts	(y/n)			
• % Roads swept with rotary brush sweepers **	%			
• % 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 %)	
▪ Herbicides	(lbs. or %)	
▪ Pesticides	(lbs. or %)	
Integrated Pest Management (IPM) Practices Implemented	(y/n)	

Average Ratio of Anti-/De-Icing products used ** (also identify chemicals and ratios used in specific areas, e.g., water supply protection areas)	(Preferred Units) Response	
	% NaCl % CaCl ₂ % MgCl ₂ % CMA % Kac % KCl % Sand	
Pre-wetting techniques utilized **	(y/n or %)	
Manual control spreaders used **	(y/n or %)	
Zero-velocity spreaders used **	(y/n or %)	
Estimated net reduction or increase in typical year salt/chemical application rate	(±lbs/ln mi. or %)	
Estimated net reduction or increase in typical year sand application rate **	(±lbs/ln mi. or %)	
% of salt/chemical pile(s) covered in storage shed(s)	(%)	
Storage shed(s) in design or under construction	(y/n or #)	
100% of salt/chemical pile(s) covered in storage shed(s) by May 2008	(y/n)	

Water Supply Protection