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Municipality/Organization: Town of Hampstead

EPA NPDES Permit Number: NH2041010

MassDEP Transmittal Number: W-

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: Jon Warthen Title: Road Agent

Telephone #: 603-329-5110 Email: HampsteadHighway@Comcast.net

Mailing Address: 35 Stage Road, Hampstead, NH 03841

#### 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: Richard H. Hartung

Printed Name: Richard H. Hartung

Title: Chairman, Board of Selectmen

Date: \_\_\_\_\_

**Part II. Self-Assessment**

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 5 (Reliance on non-municipal partners indicated, if any)	Planned Activities - Permit Year 5
1-2 Revised	Distribute Information	Town Offices		Provide information to contractor's and homeowners	Continue
1-3 Revised	Public Education - Hospital Schools	Hampstead Catholics		In-school recycling program	Continue
1-4 Revised	Home Association	(2)		News letters sent out to educate members	Continue
1-5 Revised	Household Hazardous Waste	Small Waste Committee	Tally participation	2 - waste day collections per year	Continue
1-2 Revised	Website distribution Information	Sally Therault		Source of information continue to refer people	continue to add content
1-7 Revised	Education - Sherburne	Rus Emerson		Educate residents	Continue as needed

1a. Additions

1-7	Education - Catch Basin signage	Jon Worthen Highway	Start 2011		Plant Stencils on Ground
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## 1. 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
2-1 Revised	Hempstead Middle School	Father Cusson		water monitoring by students	continue activity
2-2 Revised	Big Island Pond Sweet Lake Assoc	Jon Weather Road Agent		low salt near lakes.	Continue
2-3 Revised	Lake Association	Lake Members		Continue to meet and address issues re: lakes	continue
2-4 Revised	Adopt-a-Road trash pick-up	Jon Weather Conservation Commission	# of bags picked up	encourage participation	continue program
2-4 Revised	Recycling by Residents	Solid Waste Committee	↑ in # <sub>317</sub> recycling tonnage	Continue to educate encourage participation	continue

### 1a. Additions

2-4	Composting	Solid Waste Committee	# of bins sold	Provide compost bins at cost to residents	Continue
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### 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
3-1 Revised	Stormwater Mapping	Jon Daethen, Road Agent		Complete	Complete
3-2 Revised	Household Haz. Waste	Eric & Josie Committee		added another town to participate	Continue
3-3 Revised	Failed Septic Systems	Chris Emerson	25 failed systems	Regular inspections and reviewing compliance	maintaining existing sites for problematic
Revised					
Revised					
Revised					

#### 3a. Additions

3-4	Illicit Discharge	Jon Daethen Road Agent			locate outfalls and check for illicit discharge
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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
4-1 Revised	Ordinances	Planning Board		Continue with inspections and compliance	Continue this practice
4-2 Revised	Site Plan Review	Planning Board		Continue to review plans Erosion controls in place when construction begins	Continue this practice
4-3 Revised	Inspections	Kus Emerson	Regular reports	Continue regular site visits to all construction sites	Continue this practice
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 8 (Reliance on non-municipal partners indicated, if any)	Planned Activities
5-1 Revised	Erosion Control	Planning Board		Continue review of site plans	Continue practice
5-2 Revised	Drainage/grading	Planning Board		Continue review of site plans	Continue practice
5-3 Revised	Inspections	Kris Grewer	Provide site inspections	Coordination with property owners to maintain systems	Continue practice
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 8 (Reliance on non-municipal partners indicated, if any)	Planned Activities
6-1 Revised	Employee Training Program	Jon Worthen / Stud Waste	Employees certified	Continue to train as needed	Continue
6-2 Revised	Town Garages	Jon Worthen		Continue BMP	Continue
6-3 Revised	Fire Station	Chief Mike Comer		Continue BMP	Continue
6-4 Revised	Schools	Mike Pease		Continue BMP	Continue
6-5 Revised	Recycling Facilities	Jon Worthen	Collect used oil	Continue BMP	Continue
6-5 Revised	Recycling	Highway Garage		Continue to collect Books, Batteries, light bulbs DVD + CD	Continue w/ activity

6a. Additions

6-6	Beach Erosion	Beach Committee	Reduce erosion	Applied for grant. Engineered alternative drainage system	Install new drainage system if grant is received
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6-1 Employee Training  
 Highway Dept.  
 Less Contaminants

Use natural solvents<sup>8</sup>



**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					
Revised					

**7a. Additions**


**7b. WLA Assessment**

In Place Prior to Phase II	Reviewing Existing Authorities	Drafted	Draft in Review	Adopted
<b>Regulatory Mechanism Status (indicate with "X")</b>				
	Illicit Discharge Detection & Elimination			
	Erosion & Sediment Control			✓
	Post-Development Stormwater Management			
<b>Accompanying Regulation Status (indicate with "X")</b>				
	Illicit Discharge Detection & Elimination			
	Erosion & Sediment Control			
	Post-Development Stormwater Management			

**Mapping and Illicit Discharges**

	(Preferred Units)	Response
Outfall mapping complete	(%)	100%
Estimated or actual number of outfalls	(#)	217
System-Wide mapping complete (complete storm sewer infrastructure)	(%)	100%
<b>Mapping method(s)</b>		
▪ Paper/Mylar	(%)	✓
▪ CADD	(%)	
▪ GIS	(%)	
Outfalls inspected/screened **	(# or %)	25% per year
Outfalls inspected/screened (Since beginning of permit coverage)	(# or %)	100%
Illicit discharges identified **	(#)	1
Illicit discharges identified (Since beginning of permit coverage)	(#)	1
Illicit connections removed **	(#); and (est. gpd)	N/A
Illicit connections removed (Since beginning of permit coverage)	(#); and (est. gpd)	N/A
% of population on sewer	(%)	0
% of population on septic systems	(%)	100%

**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 %)	4
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)	1
Low-impact development (LID) practices permitted and encouraged	(y/n)	4

**Operations and Maintenance**

Average frequency of catch basin cleaning (non-commercial/non-arterial streets) **	(times/yr)	every other year
Average frequency of catch basin cleaning (commercial/arterial or other critical streets) **	(times/yr)	every other year
Qty of structures cleaned **	(#)	
Qty. of storm drain cleaned **	(%, LF or mi.)	
Qty. of screenings/debris removed from storm sewer infrastructure **	(lbs. or tons)	8 tons
Disposal or use of screenings (landfill, POTW, compost, beneficial use, etc.) **	(location)	landfill



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)		Y
• % Structures cleaned with clam shells **	(%)		
• % Structures cleaned with vacor **	(%)		50% each year

	(Preferred Units)	Response
Average frequency of street sweeping (non-commercial/non-arterial streets) **	(times/yr)	N/A
Average frequency of street sweeping (commercial/arterial or other critical streets) **	(times/yr)	N/A
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)	

	(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	33%      66% or 100%
<i>Some areas 33% salt / 66% sand Roadways either 33% NaCl / 66% sand or 100% NaCl (depend on weather)</i>		
Pre-wetting techniques utilized **	(y/n or %)	N
Manual control spreaders used **	(y/n or %)	100%
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)	(%)	100%
Storage shed(s) in design or under construction	(y/n or #)	2
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/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	N/A