

Municipality/Organization: Town of Hampstead

EPA NPDES Permit Number: NH 0041010

MassDEP Transmittal Number: W-

Annual Report Number Year 9
& Reporting Period: April 1, 2011 - March 31, 2012

NPDES PII Small MS4 General Permit Annual Report (Due: May 1, 2012)

Part I. General Information

Contact Person: Jon Worthen Title: Road Agent

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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: Richard H. Hartung

Printed Name: Richard H. Hartung

Title: Selectman

Date: 4/19/12

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 9 (Reliance on non-municipal partners indicated, if any)	Planned Activities
1-2 Revised	Distribute information	Town Offices		Provide information to contractors and homeowners	provide DVD to run on cable about stormwater management.
1-3 Revised	Public education at the Schools	Hampstead Central + Middle		In-school recycling program	continue
1-5 Revised	Household Hazardous Waste	Recycling + Waste Disposal	tally participation	Two household hazardous waste days per year	continue
1-7 Revised	Education on Stormwater Protection Bldg. Insp.	Kris Emerson		educate residents	provide information as needed.
1-7 Revised	Educate Public Catch basin signage Rd. Agent	Don Worthen		Educate residents	Start Summer 2012
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 8 (Reliance on non-municipal partners indicated, if any)	Planned Activities
2-1 Revised	Hampstead Middle School	Kathie Cassin	test results	water monitoring by students	continue
2-2 Revised	Big Island Pond / Sunset Lake Assoc	Jim Worthen		low salt areas near the lakes	continue
2-3 Revised	Lake Association	Robblynt Lake Members		continue to meet and address issues related to lakes	continue
2-4 Revised	Adopt-a-road	Jim Worthen	trash pick up	encourage participation	continue program
2-4 Revised	Composting	Ed Agent Recycling + Waste Disposal	# of bags # of bins	provide compost bin at cost to residents	continue
Revised					

2a. Additions

2-4	Recyclebank.com	Recycling / Waste Disposal	# of participants	incentive program to encourage recycling	implement 7/2012
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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 9 (Reliance on non-municipal partners indicated, if any)	Planned Activities
3-3 Revised	Failed Septic Systems	Kris Emerson Bldg. Insp.	# of failed systems.	conduct regular inspections and review compliance	maintain existing sites for problems
3-4 Revised	Illicit Discharge	John Worthen Rd. Agent.			locate outfalls and check for illicit discharge
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 9 (Reliance on non-municipal partners indicated, if any)	Planned Activities
4-1 Revised	Ordinances	Planning Board		Continue with inspections and compliance	Continue with practice
4-2 Revised	Site Plan Review	Planning Board		Continue to review plans erosion controls in place when construction begins	Continue with practice
4-3 Revised	Inspections	Kus Emerson Bldg. Insp.	Regular reports	Continue regular site visits to all construction sites	Continue with practice
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 9 (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	Chris Emerson Bldg. Dept.	Periodic site inspections	Coordination with property owners to maintain systems	Continue practice
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 9 (Reliance on non-municipal partners indicated, if any)	Planned Activities
6-1 Revised	Employee training	Highway Dept			use natural solvents for less contaminants
6-2 Revised	Town Garage	Don Northen		Continue BMP	
6-3 Revised	Fris Station	Michael Camer		Continue BMP	
6-4 Revised	School	Mike Hall		Continue BMP	
6-5 Revised	Recycling	Highway Garage	items collected	collected used oil, batteries, light bulbs, DVD, CD + Books	continue with activity
6-6 Revised	Beach Groover Town Beach	Beach Committee	reduced erosion	installed new drainage system Phase I	continue with Phase II

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 8 (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, 2011 through March 31, 2012)

Programmatic

	(Preferred Units)	Response
Stormwater management position created/staffed	(y/n)	No
Annual program budget/expenditures **	(\$)	Nine
Total program expenditures since beginning of permit coverage	(\$)	Nine
Funding mechanism(s) (General Fund, Enterprise, Utility, etc)		

Education, Involvement, and Training

Estimated number of property owners reached by education program(s)	(# or %)	unknown
Stormwater management committee established	(y/n)	No
Stream teams established or supported	(# or y/n)	No
Shoreline clean-up participation or quantity of shoreline miles cleaned **	(y/n or mi.)	privately
Shoreline cleaned since beginning of permit coverage	(mi.)	
Household Hazardous Waste Collection Days		
▪ days sponsored **	(#)	2
▪ community participation **	(# or %)	yes
▪ material collected **	(tons or gal)	
School curricula implemented	(y/n)	yes

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				
▪ 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	(%)		100%
Estimated or actual number of outfalls	(#)		217
System-Wide mapping complete (complete storm sewer infrastructure)	(%)		100%
Mapping method(s)			
▪ Paper/Mylar	(%)		✓
▪ CADD	(%)		
▪ GIS	(%)		
Outfalls inspected/screened **	(# or %)		75%
Outfalls inspected/screened (Since beginning of permit coverage)	(# or %)		100%
Illicit discharges identified **	(#)		
Illicit discharges identified (Since beginning of permit coverage)	(#)		
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) **	(#)	3
Estimated percentage of construction starts adequately regulated for erosion and sediment control **	(%)	100%
Site inspections completed **	(# or %)	12
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)	every 2 years
Average frequency of catch basin cleaning (commercial/arterial or other critical streets) **	(times/yr)	every 2 years
Qty of structures cleaned **	(#)	75%
Qty. of storm drain cleaned **	(%, LF or mi.)	
Qty. of screenings/debris removed from storm sewer infrastructure **	(lbs. or tons)	4 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**	(\$)	0
Cleaning Equipment		
• Clam shell truck(s) owned/leased	(#)	
• Vacuum truck(s) owned/leased	(#)	
• Vacuum trucks specified in contracts	(y/n)	yes
• % Structures cleaned with clam shells **	(%)	
• % Structures cleaned with vacuor **	(%)	100%

(Preferred Units)		Response
Average frequency of street sweeping (non-commercial/non-arterial streets) **	(times/yr)	0
Average frequency of street sweeping (commercial/arterial or other critical streets) **	(times/yr)	0
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 %)	<i>Substantially</i>
■ 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) <i>low salt use areas</i> <i>Sand only or Sand/Salt mix. Never straight salt application.</i>	% NaCl % CaCl₂ % MgCl₂ % CMA % Kac % KCl % Sand <i>300 yards</i> <i>50% salt</i> <i>300 yards</i> <i>Sand 50%</i>
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

Storm water outfalls to public water supplies eliminated or relocated	# or y/n	No
Installed or planned treatment BMPs for public drinking water supplies and their protection areas	# or y/n	N/A
Treatment units induce infiltration within 500-feet of a wellhead protection area	# or y/n	