

Municipality/Organization: Town of Hampstead
EPA NPDES Permit Number: NH R041010
MassDEP Transmittal Number: W-
Annual Report Number & Reporting Period: Year 10
April 1, 2012 – March 31, 2013

4/24/13
received
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NPDES PII Small MS4 General Permit Annual Report (Due: May 1, 2013)

Part I. General Information

Contact Person: Jon Worthen Title: Road Agent
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Mailing Address: 35 Stage Rd. 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: Superintendent
Date: 7/17/13

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 10 (Reliance on non-municipal partners indicated, if any)	Planned Activities
1-2 Revised	Distribute Info.	Town Office		Provide information to landowners and homeowners	Continue to provide
1-3 Revised	Public Education at the Schools	Hospital Central/Middle		In-school Recycling Program	Continue with practice
1-5 Revised	Household Hazardous Waste	Recycling + Waste Disposal	High participation	Two household waste days (households) are scheduled and held every year	Continue with practice
1-2 Revised	Education in Shoreland Protection Build. Insp	Kris Emerson		Educate residents and builders.	Provide information as needed.
1-6 Revised	Senset Lake + Big Island Pond	Private Associations		Educate waterfront property owners	Provide information to waterfront residents.
Revised					

1a. Additions

1-1	Public Education	Cable	Agreement	Educate residents	Additional DVD's to run on cable
1-2	Distribution of Information	Town's Website	Determine # of website hits	Educate residents	Continue to update website materials about recycling.

2. Public Involvement and Participation

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) - Permit Year / O (Reliance on non-municipal partners indicated, if any)	Planned Activities
2-1 Revised	Water Quality Monitoring	Kathy Casner Hospital Middle	Test results	Water monitoring by Yecker / Students	Continue
2-2 + Revised 2-3	Lake Assessment	Lake Assoc members	Assessment Attendance	Continue to meet and address issues related to lake and water	Continue with meetings and low cost applications
2-4 Revised	Adopt-a-road	Amberlynn Road Agent	trash pick-up number of bags	Encourage participation	Continue program
2-5 Revised	Composting	Recycling + Waste Disposal	number of bin sold	provide compost bin to residents at cost	Continue program
2-6 Revised	Recycle bank	Recycling + Waste Disposal	# of participants	Incentive program to encourage recycling	Continue program until 7/2014
Revised					

2a. Additions

2-7	Road-side pick-up	Conservation Commission	Number of participants had amount picked-up	encourage participation	Continue program
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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 (Reliance on non-municipal partners indicated, if any)	Planned Activities
3-3 Revised	Failed septic systems	Mrs Emerson Building Insp.	# of Inspected systems	Conduct regular inspections and review compliance	monitor existing notes for problems
3-4 Revised	Illicit Discharge	Jim Wotter Road Agent	# of Illicit discharges		locate outfalls and check for illicit discharges
Revised					
Revised					
Revised					
Revised					

3a. Additions

3-5	Inspect discharge outfalls	Jon Wotter Road Agent	Test results		test outfalls
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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 10 (Reliance on non-municipal partners indicated, if any)	Planned Activities
4-1 Revised	Ordinances	Planning Board		Continue to engage non-municipal partners of current policy	Review existing ordinances Consider adopting new ordinances
4-2 Revised	Site review	Planning Board		Continue to review plans. Review controls in place when construction begins	Continue with practice
4-3 Revised	Inspections	Kris Emerson Build Inspect	Regular reports	Continue with regular site visits	Continue with 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 10 (Reliance on non-municipal partners indicated, if any)	Planned Activities
5-1 Revised	Erosion Control	Planning Board		Continue to review site plans	Continue practice
5-2 Revised	Drainage/Grading	Planning Board		Continue to review site plans	Continue practice
5-3 Revised	Inspections	Kris Emerson Buildings	review periodic site inspections	Coordinate with property owners to maintain systems	Continue practice
Revised					
Revised					
Revised					

5a. Additions

5-4	Embarkment	Beach	Visual		plant vegetation to reduce erosion
	Erosion Control	Committee	Inspection		

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 10 (Reliance on non-municipal partners indicated, if any)	Planned Activities
6-1 Revised	Town Garage	Jon Worthon		Continue BMP	
6-2 Revised	Fri Station	Mike Carrut		Continue BMP	
6-3 Revised	Schools	Mike Hall		Continue BMP	
6-5 Revised	Recycling	Highway Garage	Hours collected	collected used oil, batteries, light bulbs, DVD, CD + Boxes	Continue with collection
6-6 Revised	Back Wagon Town Seal	Beach Committee		Employed phase 2 + 3	install plantings along culvert

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 (0 (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, 2012 through March 31, 2013)

Programmatic

	(Preferred Units)	Response
Stormwater management position created/staffed	(y/n)	No
Annual program budget/expenditures **	(\$)	None
Total program expenditures since beginning of permit coverage	(\$)	None
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)	unknown
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	(%)	90%
Estimated or actual number of outfalls	(#)	217
System-Wide mapping complete (complete storm sewer infrastructure)	(%)	90%
Mapping method(s)		
▪ Paper/Mylar	(%)	100%
▪ 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)	(#)	0
Illicit connections removed **	(#); and (est. gpd)	0
Illicit connections removed (Since beginning of permit coverage)	(#); and (est. gpd)	
% of population on sewer	(%)	0
% of population on septic systems	(%)	100%

Construction

	(Preferred Units)	Response
Number of construction starts (>1-acre) **	(#)	7
Estimated percentage of construction starts adequately regulated for erosion and sediment control **	(%)	100%
Site inspections completed **	(# or %)	21
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)	1
Average frequency of catch basin cleaning (commercial/arterial or other critical streets) **	(times/yr)	every 2 yrs.
Qty of structures cleaned **	(#)	7598
Qty. of storm drain cleaned **	(%, LF or mi.)	
Qty. of screenings/debris removed from storm sewer infrastructure **	(lbs. or tons)	12
Disposal or use of screenings (landfill, POTW, compost, beneficial use, etc.) **	(location)	transfer station

Basin Cleaning Costs		
• Annual budget/expenditure (labor & equipment)**	(\$)	
• 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)	
• % Structures cleaned with clam shells **	(%)	
• % Structures cleaned with vacor **	(%)	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 ** <i>Only Sweep Swales</i>	(lbs. or tons)	
Disposal of sweepings (landfill, POTW, compost, beneficial use, etc.) **	(location)	<i>Transfer station</i>
Annual Sweeping Costs		
• Annual budget/expenditure (labor & equipment)**	(\$)	\$ 400
• Hourly or lane mile contract rate **	(\$/hr. or in 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 ₂ % MgCl ₂ % CMA % Kac % KCl % Sand	50% Salt/ 50% Sand or 100% Sand
Pre-wetting techniques utilized **	(y/n or %)	0
Manual control spreaders used **	(y/n or %)	Yes
Zero-velocity spreaders used **	(y/n or %)	No
Estimated net reduction or increase in typical year salt/chemical application rate	(±lbs/in mi. or %)	Same
Estimated net reduction or increase in typical year sand application rate **	(±lbs/in mi. or %)	Same
% of salt/chemical pile(s) covered in storage shed(s)	(%)	100%
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	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	