

Municipality/Organization: Town of New Castle, New Hampshire

EPA NPDES Permit Number: NHR041022

MassDEP Transmittal Number: W-

Annual Report Number & Reporting Period: Year
April 1, 2016 – March 31, 2017

4/27/17
PS

NPDES PII Small MS4 General Permit Annual Report (Due: May 1, 2017)

Part I. General Information

Contact Person: Stephen Tabbutt

Title: Public Works
Superintendent/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: 

Printed Name: Stephen Tabbutt

Title: Supr. Of Public Works/Road Agent

Date: April 28, 2017

Part II. Self-Assessment

The Town of New Castle, New Hampshire, has completed the required self-assessment and it is determined that the Town is in compliance with all 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 8 (Reliance on non-municipal partners indicated, if any)	Planned Activities
NC1-001 Revised	Quarterly Newsletter Entitled “Island Items”	Select Board Secretary Pam Cullen	Sporadic articles to educate the public	Outreach to the residents and public at large for updated information and education on storm drains	Continued on going articles. Town newspaper prints 4 times per year.
NC1-002 Revised	Household Hazardous Waste Day	Select Board	Report from 53-B as to quantity and waste dropped off.	Posted in town hall for town residents. Summer 2016	
NC1-003 Revised	Pet Waste Management	Steve Tabbutt	Weekly cleaning of town property during summer months	Posted signs alerting public of town ordinance regarding pest waste.	Continue display of signs and reinforcement of ordinance via news letter.
NC1-004 Revised	Town website – newcastlenh.org	Select Board Secretary Pam Cullen	Page count – number of visits	Website links to Shoreline Homeowner’s guide to Storm Water Management; Shoreland Protection Information; Town regs to include Wetland Conservation District	Continue offering links and browse for new education to post.
NC1-005 Revised	Article mailed to residents	New Conservation Commission	Reached all of New Castle Residents via direct mail.	See attached flyer	Continue efforts via the Conservation Commission via mailings.
NC1-006 Revised	Paperwork from the City of Portsmouth, NH	Pam Cullen, secretary to Select Board	Available article on public display at town hall	Keep Storm Drain material for future use and reference See attached material	

NC1-007	Article – Seacoast Newspaper	Pam Cullen, secretary to Select Board	Available article on public display at town hall	Keep Storm Drain material for future use and reference See attached article	
Revised					

NC1-008	Select Board	Steve Tabbutt – Water Quality Controller	Water Quality Report	Mailed every year to residents See attached article	
Revised					

**1a. Additions
ic 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
NC2-001 Revised	Conservation Commission – Town Board	Board members	Controlling and monitoring projects. Pursuing grants.	Lavenger Creek walking tour with wetlands specialist and Conservation Commission Members and Rockingham County Cons. District Spec. Tracy Degnan	Involving public to participate in activities.
NC2-002 Revised	Storm Drain Stenciling	Steve Tabbutt	Maintaining stenciling on drains.	Reviewing stenciling to determine legibility.	Yearly monitoring.
NC2-003 Revised	Beach Clean Up	Steve Tabbutt	Daily maintenance during summer season	Self monitoring	Continue daily maintenance during the summer season.
NC2-004 Revised	Sponsor-A-Highway	Local residents who participate in NH program	Keeping debris, trash and other hazardous waste off of Route 1-B twice a year.	State oversees required number of cleanups to retain sponsorship.	Agreement with NHDOT between local citizen.
NC2-005 Revised	Select Board	Town Conservation Commission	Material available to public along with articles in local paper and magazines	Continued reminders to the public. <u>See attached material.</u>	
NC2-006 Revised	Town Select Board	Pam Cullen, Secretary to Select Board	Information from Storm water outreach in NH	Continued reminders to the public. <u>See attached material.</u>	

2a. Additions

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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
NC3-001 Revised	Monitoring of illicit discharge	Road Agent	Daily visual checks.	Required daily maintenance of septic pump stations throughout the town, allows for visual detection of illicit discharge detection.	Continue present practice.
NC3-002 Revised	Monitoring of illicit discharge	Building Inspectors	Periodic walking inspections	On going inspections	None
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 8 (Reliance on non-municipal partners indicated, if any)	Planned Activities
NC4-001	Run off from new construction	Conservation Commission, Building Inspectors, Road Agent	Monitor new sites for construction	Again, monitor sites until construction is complete.	Continue monitoring.
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 8 (Reliance on non-municipal partners indicated, if any)	Planned Activities
NC5-001 Revised	Monitoring post construction sites	Road Agent, Building Inspectors	Monitoring sites	Monitoring sites for a relative time after construction.	None
Revised					
Revised					
Revised					
Revised					
Revised					

5a. Additions

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					

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, 2010 through March 31, 2011)

Programmatic

	(Preferred Units)	Response
Stormwater management position created/staffed	(y/n)	N
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 %)	500+
Stormwater 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.)	½ mile
Shoreline cleaned since beginning of permit coverage	(mi.)	½ mile
Household Hazardous Waste Collection Days		
▪ days sponsored **	(#)	1
▪ community participation **	(# or %)	No feed back
▪ material collected **	(tons or gal)	No feed back
School curricula implemented	(y/n)	N

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	X				
▪ Erosion & Sediment Control	X				
▪ 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	(%)	50
Estimated or actual number of outfalls	(#)	20more or less
System-Wide mapping complete (complete storm sewer infrastructure)	(%)	100
Mapping method(s)		
▪ Paper/Mylar	(%)	100
▪ CADD	(%)	
▪ GIS	(%)	
Outfalls inspected/screened **	(# or %)	0
Outfalls inspected/screened (Since beginning of permit coverage)	(# or %)	0
Illicit discharges identified **	(#)	
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	(%)	83.4
% of population on septic systems	(%)	16.6

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 %)	3
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	(%)	
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)	1
Average frequency of catch basin cleaning (commercial/arterial or other critical streets) **	(times/yr)	
Qty of structures cleaned **	(#)	40
Qty. of storm drain cleaned **	(%, LF or mi.)	200
Qty. of screenings/debris removed from storm sewer infrastructure **	(lbs. or tons)	500 lbs

Disposal or use of screenings (landfill, POTW, compost, beneficial use, etc.) **	(location)	
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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)	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 %)	n/a
▪ Herbicides	(lbs. or %)	n/a
▪ Pesticides	(lbs. or %)	n/a
Integrated Pest Management (IPM) Practices Implemented	(y/n)	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	100 per cent
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/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 #)	
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
Installed or planned treatment BMPs for public drinking water supplies and their protection areas	# or y/n	N
Treatment units induce infiltration within 500-feet of a wellhead protection area	# or y/n	N