

Municipality/Organization: Town of Sandown

EPA NPDES Permit Number: NHR041032

MaDEP Transmittal Number: W-

**Annual Report Number
& Reporting Period:** No. 1: March 2014-March 2015

NPDES PII Small MS4 General Permit Annual Report

Part I. General Information

Contact Person: Arthur Genualdo

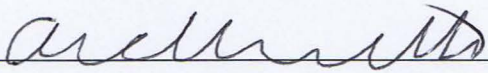
Title: DPW Director

Telephone #: (603) 887-3484

Email: Townofsandown@sandown.us

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: Arthur Genualdo

Title: Public Works Director

Date: 4/30/15

Part II. Self-Assessment

The Town of Sandown, NH has completed the self assessment and determined that our municipality is in compliance with all permit conditions except the following provisions:

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 12 (Reliance on non-municipal partners indicated, if any)	Enter any revised info here
PE-1	Public Awareness – Video	Health Officer/ Ed Mencis	12 showings/yr	Continue to show video	Will Show “After the Storm” video on a regular basis. New DVD received from EPA and the Weather Channel.
Revised					
PE-2	Educational Flyer	DPW Director/ Arthur Genualdo	# Flyers Distributed (2600/yr)	Flyer posted on website and distributed by transfer station attendants	Safe Drinking Water Flyer distributed by transfer station attendants – flyer attached which outlines safe handling and disposal of gasoline .
Revised					
PE-3	Web Page Linked to Main Page	Town Administrator/ Lynne Blaisdell	10% of main page visitors	Continue to update web page with more information and links	Updated website with Angle Pond, Seeley Beach/Phillips Pond water sampling information – attached.
Revised					
PE-4	Elementary School Programs	Selectman Hans Nicolaisen	1 project/yr	Continue to highlight and provide information at Town Library	Sample Flyers on display at the Sandown Public Library. Copies attached
Revised	Town Library Information Kiosk	Selectman Jim Devine			Library hosted a workshop presented by UNH Coop Extension on Storm Proof Your Home – 2/12/14 attended by 6 residents
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 12 (Reliance on non-municipal partners indicated, if any)	Enter any revised info here
PP-1	Town Board Coordination	Selectman Hans Nicolaisen	# Participants/ # Meetings	W ells Village Road culvert was delayed due to abutter notifications – culvert scheduled for 2014	Wells Village Road culvert completed in 2014. This will significantly help stormwater control and solve flooding in that area.
Revised		Selectman Jim Devine			
PP-2	Town Deliberative Session	DPW Director/ Arthur Genualdo	Discuss & Pass Warrant Article	Voters did not pass 2014 Road Improvement Plan - only serious road hazards can be addressed this year	Warrant article for Road Improvements for 2015 passed - Fremont Rd segment will be reconstructed and drainage issues addressed and corrected
Revised			Costs allocated via the yearly budget		
PP-3	Coordinate w/State Hwy Dept.	DPW Director/ Arthur Genualdo	# Participants/ # Meetings	W ells Village Road culvert was delayed due to abutter notifications – culvert scheduled for 2014	No scheduled projects that include the State Highway Dept.
Revised			Routine meetings		
PP-4	Coordinate w/Adjacent Towns	DPW Director/ Arthur Genualdo		No current projects with adjacent towns	Investigate working with Rockingham Planning Commission and the Town of Hampstead regarding the water quality of Showell Pond. Investigate the possibility of a 319 grant.
Revised					
PP-5	Waste Oil Disposal	DPW Director/ Arthur Genualdo	Annual Volume – 5%/yr. incr.	Continued use of waste oil heater	Continued use of waste oil heater
Revised					Continue to collect used waste oil

Revised					
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2a. Additions

PP-6	Exotic Species Program	Selectman Hans Nicolaisen/ Selectman Jim Devine	# Participants/ # Monitorings Control of Fanwort and milfoil at Phillips Pond	Progress on Goal(s) Permit Year 12 Through grant funding, Phillips Pond Association with NHDES will treat areas of the pond for exotic weeds	Enter any revised info here Phillips Pond Assoc awarded 2 NHDES grants: volunteer monitoring equipment grant and chemical treatment and manual harvesting of exotic weeds grant.
PP-7	Local Water Quality Monitoring for Showell Pond and Phillips Pond	Selectman Hans Nicolaisen/ Selectman Jim Devine	# Participants to monitor pond's cyanobacteria levels # months of absence of Blooms at Showell Pond & Phillips Pond	Continued monitoring and work with NHDES on both ponds	Phillips Pond Association water quality report attached.

3. Illicit Discharge Detection and Elimination

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 12 (Reliance on non-municipal partners indicated, if any)	Enter any revised info here
ID-1	Update MS4 Plan	DPW Director/ Arthur Genuardo	Confirm Outfalls/ Update plan	All catch basins cleaned and updated GPS info on new basins from subdivisions in 2013	All catch basins cleaned on 4/20 & 4/21 and will receive updated GPS information on new basins from subdivisions in 2014
Revised					
ID-2	Identify Illicit Connections/Discharge	DPW Director/ Arthur Genuardo Health Officer /Ed Mencis	# inspections & repairs/ yr	No illicit connections or discharges found during 2013	No illicit connections or discharges
Revised					
ID-3	Failing Septic Systems	Health Officer/ Ed Mencis	# inspections & repairs/yr	Continue inspection of all repairs and replacements	12 Failed systems recorded in 2014 Continued inspection of all repairs and replacements
Revised					
ID-4	Illegal Dumping	DPW Director/ Arthur Genuardo	# Dumps reported & cleaned	No violations reported for 2013	6 violations of illegal dumping - Police investigations and fines if proven
Revised					
ID-5	Community Outreach	DPW Director/ Arthur Genuardo	# pamphlets distributed	Continue to provide brochures at Town Hall and Town Library on what homeowners can do to mitigate stormwater damage.	Continue to provide brochures at Town Hall and Town Library on what homeowners can do to mitigate stormwater damage.
Revised					
Revised					

3a. Additions

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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 12 (Reliance on non-municipal partners indicated, if any)	Enter any revised info here
CS-1	Sediment Control	Conservation Comm/ Paul Carey	# Sites/Methods implemented	Conservation Commission works with the Planning Board to enforce the erosion control ordinance	Conservation Commission works with the Planning Board to enforce the erosion control ordinance
Revised					
CS-2	Erosion Control	Conservation Comm/ Paul Carey	# Sites/Methods implemented	Conservation Commission works with the Planning Board to enforce the erosion control ordinance	Conservation Commission works with the Planning Board to enforce the erosion control ordinance
Revised					
CS-3	SWPP Review	Planning Board/ Mark Traeger	# Plans Reviewed	Town requires submission of SWPP at preconstruction conference, together with proof of notice of intent filing	No plans reviewed in 2014. Town still requires submission of SWPP at preconstruction conference, together with proof of notice of intent filing
Revised		Planning Board/Ernie Brown			
CS-4	Construction Runoff Regs for Runoff Control	Planning Board/ Mark Traeger	Subdivision Regulations Updated	No new actions were taken in 2014	No new actions were taken in 2014
Revised		Planning Board/Ernie Brown			
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 12 (Reliance on non-municipal partners indicated, if any)	Enter any revised info here
PC-1	Runoff Control in Site Plan Regs.	Planning Board/ Mark Traeger	Annual Review/Reduction in loopholes	No new actions were taken in 2014	No new actions were taken in 2014
Revised		Planning Board/Ernie Brown			
PC-2	Buffer Zone	Conservation Commission/ Paul Carey	Establish new BMPs	No new actions taken in 2014	No new actions were taken in 2014
Revised					
PC-3	Inspection Program in Site Plan	Planning Board/ Mark Traeger	# inspections/problems fixed	The Planning Board is working with the town's building inspector and health officer to enforce the erosion control ordinance.	The Planning Board is working with the town's building inspector and health officer to enforce the erosion control ordinance.
Revised		Planning Board/Ernie Brown			
PC-4	Catch Basins	DPW Director/ Arthur Genuardo	Inventory & clean out Basins	All catch basins cleaned, 100% tracking and identification with GPS	All catch basins cleaned, 100% tracking and identification with GPS
Revised					
Revised					

Revised					
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5a. Additions

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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 12 (Reliance on non-municipal partners indicated, if any)	Enter any revised info here
MG-1	Road Salt Reduction	DPW Director/ Arthur Genuardo	Total Salt volume/yr	Continued use of molasses as an additive to reduce salt & sand amounts during plowing	Continued use of molasses as an additive to reduce salt & sand amounts during plowing
Revised					
MG-2	Spill Control & Reduction	Fire Dept/ Chief Wilfred Tapley	# Vehicle & non-vehicle releases	Continue to review procedures for spill control & reduction; update if necessary	Continue to review procedures for spill control & reduction; update if necessary
Revised					
MG-3	Fertilizer/Pesticide Reduction	Conservation Commission/ Paul Carey	Lawn care Specialist Training	Continue to highlight and provide information at Town Library and Town Hall	Town Hall used environmentally safe fertilizer on the town grounds.
Revised					
MG-4	Employee Training	DPW Director/ Arthur Genuardo	Workshops Attended	Employees attend 2 day NRRA conference yearly which covers hazardous waste, recycling and BMP's of waste management	Employees attend 2 day NRRA conference yearly which covers hazardous waste, recycling and BMP's of waste management
Revised					
Revised					
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 12 (Reliance on non-municipal partners indicated, if any)	Enter any revised info here
QI-1	E.Coli Monitoring	Health Officer/ Ed Mencis	Tracking Philips Lake Outfall	Continue monitoring State testing of Phillips Pond bathing waters	Continue monitoring State testing of Phillips Pond bathing waters – results attached
Revised					
Revised					
Revised					
Revised					
Revised					
Revised					

7a. Additions

7b. WLA Assessment

N/A

Part IV. Summary of Information Collected and Analyzed

Town beach monitoring is in place and baseline data collected to determine ‘normal’ & ‘worst-case’ (e.g., immediately after heavy rains) *e. coli* levels.

Part V. Program Outputs & Accomplishments (OPTIONAL)

Programmatic

Stormwater management position identified (Road Agent)	Yes	Yes

Education, Involvement, and Training

Estimated number of residents reached by education program(s)	2600	2600
Stormwater management committee established	Haz Mit Adopted	Haz Mit Adopted
Stream teams established or supported	yes	yes
Shoreline clean-up participation or quantity of shoreline miles cleaned	yes	yes
Household Hazardous Waste Collection Days		
▪ days sponsored	2	2
▪ community participation	Regional – Sandown included	Regional – Sandown included
▪ material collected	Not known (regional)	Not known (regional)
School curricula implemented		

Legal/Regulatory

	In Place Prior to Phase II	Under Review	Drafted	Adopted
Regulatory Mechanism Status (indicate with “X”)				
▪ Illicit Discharge Detection & Elimination		X		
▪ Erosion & Sediment Control				X
▪ Post-Development Stormwater Management				X
Accompanying Regulation Status (indicate with “X”)				
▪ Illicit Discharge Detection & Elimination			X	
▪ Erosion & Sediment Control				X
▪ Post-Development Stormwater Management				X

Mapping and Illicit Discharges

Outfall mapping complete	100%	100%
Estimated or actual number of outfalls		
System-Wide mapping complete	100%	100%
Mapping method(s)		
▪ Paper/Mylar	100%	100%
▪ CADD		
▪ GIS	100%	100%
Outfalls inspected/screened	100%	100%
Illicit discharges identified	0	0
Illicit connections removed	N/A	N/A
% of population on sewer	0	0
% of population on septic systems	100	100

Construction

Number of construction starts (>1-acre)	Approx.133	25 SFD 2014
Estimated percentage of construction starts adequately regulated for erosion and sediment control	95%	95%
Site inspections completed (estimated between Planning Board, Engineer, Bldg Insp., Conservation)	100%	100%
Tickets/Stop work orders issued	0	0
Fines collected	0	0
Complaints/concerns received from public	1	0

Post-Development Stormwater Management

Estimated percentage of development/redevelopment projects adequately regulated for post-construction stormwater control	30%	0 *
Site inspections completed		0 *
Estimated volume of stormwater recharged	Not known	Not known
* We do not have post-construction Stormwater control regulations		

Operations and Maintenance

Average frequency of catch basin cleaning (non-commercial/non-arterial streets)	Twice/year	Twice/year
Average frequency of catch basin cleaning (commercial/arterial or other critical streets)	Twice/year	Twice/year
Total number of structures cleaned	162	Update not yet available
Storm drain cleaned	Regularly	Same
Qty. of screenings/debris removed from storm sewer infrastructure	Not known	Not known
Disposal or use of sweepings (landfill, POTW, compost, recycle for sand, beneficial use, etc.)	Compost	Compost
Cost of screenings disposal	No cost	No cost

Average frequency of street sweeping (non-commercial/non-arterial streets)	N/A	N/A
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Average frequency of street sweeping (commercial/arterial or other critical streets)	Once/year	Once/year
Qty. of sand/debris collected by sweeping	3 tons	3 tons
Disposal of sweepings (landfill, POTW, compost, beneficial use, etc.)	Landfill	Landfill
Cost of sweepings disposal	No cost	No cost
Vacuum street sweepers purchased/leased	N/A	N/A
Vacuum street sweepers specified in contracts	N/A	N/A

Reduction in application on public land of: (“N/A” = never used; “100%” = elimination)		
▪ Fertilizers	N/A	
▪ Herbicides	N/A	
▪ Pesticides	N/A	

Anti-/De-Icing products and ratios	% NaCl % CaCl ₂ % MgCl ₂ % CMA % Kac % KCl % Sand	
Pre-wetting techniques utilized	N/A	N/A
Manual control spreaders used	Yes	Yes
Automatic or Zero-velocity spreaders used	No	NO
Estimated net reduction in typical year salt application	5-10%	5-10%
Salt pile(s) covered in storage shed(s)	Yes	Yes
Storage shed(s) in design or under construction	No	No