

Municipality/Organization: Town of Newton, NH

EPA NPDES Permit Number: NHR041023

MassDEP Transmittal Number: W-

Annual Report Number & Reporting Period: Year 15
April 1, 2017 – March 31, 2018

NPDES PII Small MS4 General Permit Annual Report (Due: May 1, 2018)

Part I. General Information

Contact Person: Nancy J. Wrigley Title: Town Administrator

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Mailing Address: 2 Town Hall Road, Newton, NH 03858

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: Robert S. Donovan Jr.

Title: Selectman

Date: 05-01-18

Part II. Self-Assessment

The Town of Newton has completed the required self-assessment and has determined that our municipality is in compliance with all permit conditions. The Town of Newton continues to search for new ways to use social media in order to keep our residents informed in the Best Management Practices. We realize that the health of our ground and surface water is of the utmost importance and we educate our residents using our cable channel, web site and Town events. We are a small town and still don't have a Highway Department, instead we have an elected, part time Road Agent and two part time road crew employees to work on roads, swales, culverts and catch basins. We have had weather related events that have damaged our roads and culverts; we make the required repairs to maintain our road network (adding water quality enhancements where possible) and continue to write grants to help fund in repairs and system upgrades. Newton conservation Commission monitors areas of concern with regard to wetlands and dredge and fill permits. In 2011 our Residents passed a Warrant Article to establish a "Town Wide Water District". This will allow us protect our waterways and natural resources, and continue to monitor Developments looking to create community wells. Our Planning Board is very active in requiring water quality improvements be incorporated into all development project designs and in overseeing all active development projects (by the Town's Consulting Engineer) to ensure erosion control measures are adequate and post development water quality improvements are maintained in in perpetuity. We continue to schedule work groups to help remove rotted trees and debris from trails and wetlands, in addition to mowing swale areas along some of our roads. Our committee is made up of volunteers and we continue to have small work groups to assist the conservation commission in the road side clean up.

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 15 (Reliance on non-municipal partners indicated, if any)	Planned Activities –Permit Year 15
	Bio-Monitor Day at Busch Farm w/Memorial School to teach children how to protect our water and what pollutants at home can cause unhealthy water	Conservation Commission	Annual Bio-monitoring day as worked well since 2010, although had to be canceled a couple years due to weather issues and Triple EEE threats in town.	This event was not held this year	Conservation is working with the science department in the Middle School for an event in 2018.
Revised					

	General Public Education at the annual Family Fun Fair, using last year's presentation on lap top and EPA bookmarks and DVD	Conservation Commission	The event has been scheduled in 2016	"After the Storm" laptop presentation to the public and handouts were very successful in years past. We also have been able to add this video "After the Storm" to our local Cable TV.	Conservation has encouraged it to happen again in the fall of 2018
Revised					
	Con com produced a lap top presentation of conservation properties and how to protect wet lands	Conservation Commission	The school didn't plan this for this year.	This power point was sent out to the Memorial & Middle School to be used educating the children.	We have this available for school events when needed and have plans to add it to the new town website in 2018.
Revised					
	Manure Management Seminar for residents with small hobby/type residents with horses chickens etc.	Conservation commission	This was well attended event to education the small horse hobbyist. We continue to hand this out to home owners that need guidance.	Northeast Recycling Council, Inc. gave us the information. The Conservation Commission has delivered this packet of information to the local horse farms in Newton during 2014-2015. Very well received.	The Conservation Commission hopes to hold another event in the fall of 2017. We deliver the packet to residents that have hobby/type live stock.
Revised					
	Planning board is looking for options for community growth while working on BMP around wells, septic and wetlands	Planning Board	Working on ways to create vibrant village centers while still preserving open space.	Grant was accepted for the charrette. The planning board continues to refer to this as a guide.	Continue to use the plan to create village districts and enhancing open space at the same time.
Revised					

1a. Additions

	Hazardous Waste Day	Transfer Station manager	Warrant article passed by the residents. Held a Hazardous Waste day at the transfer station. Newton residents can bring	Very successful event. Safe Harbor was hired to run the day and receive, package and process the items residents brought.	No Hazardous Waste Day was held in 2017 but past days have been very successful and one is planned in 2019.
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			items to transfer station for free		

2. Public Involvement and Participation

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 15 (Reliance on non-municipal partners indicated, if any)	Planned Activities-Permit Year 15
	Follow Town Policy for notice requirements during a public hearing that requires a storm water management plan. Developers and residents will be reminded of BMP	Planning Board	Observe requirements for the storm water management plan	Continue to educate the public and developers on BMPs for storm water management	Continue to follow requirements and public notice for these parcels.
Revised					
	General Public Laptop presentation to educate residents of healthy ground water around their home, as well as along the road and shoulder area.	Conservation Committee	To expose residents to as much education as possible, regarding our storm water management.	Conservation Commission completed site walks and did clean-up of trails along wetlands on the peanut trail, and Busch Farm during 2016.	Conservation Commission continues to invite residents and community groups to participate in group efforts as well as attend meetings with the Conservation Commission.
Revised					
	Transfer station was approved for a voucher system for June 2014 – May 30, 2015	Transfer Station Manager	Residents will be allowed to drop off items at transfer station, in hopes this will prevent contaminated ground water runoff.	People will not be charged for items brought to transfer station and will be allowed one truckload for the year. This will be easier for the employees to handle and will not put as much pressure on them by not having massive amounts of debris and rubbish in a concentrated period of time, since it can be spread out during the whole year.	We may continue to do this in years to follow as long as the funding is approved by the voters.
Revised					

	Used Oil Collection Center	Transfer Station Manager	To encourage and educate the residents to bring their used oil to the transfer station.	Collected 1,300 gallons this permit year	Will continue to encourage and educate public on the proper transportation of oil to transfer station
Revised					
	Residents have requested a compost pile at the transfer station	Transfer Station Manager	Now allow residents to bring their leaves to the transfer station in an area that will be rotated for compost.	Have an area designated for residents to dispose of their leaves in the fall. Employees will turn over pile to make compost that residents can take for free.	Will continue this plan in next permit year. Residents seem excited about it.
Revised					

2a. Additions

	Residents				
	Auto batteries have been collected at the transfer station	Transfer Station Manager	Residents are encouraged to bring batteries to dispose of them at the transfer station. .	Auto batteries collected = 4,003 lbs. for 2017	We will continue to monitor this.
	Electronics are also being collected to the transfer station.	Transfer Station Manager	Residents are encouraged to dispose of their electronics. We have adopted a senior discount policy to help our seniors with a discount when they bring in items.	This year we were able to dispose of 45.44 tons of electronics.	We will continue to monitor this.
	Florescent Lights are also an item being collected at the transfer station	Transfer Station Manager	Residents are encouraged to dispose of the florescent lights.	This year we disposed no florescent lights.	We will continue to try and collect lights at the Transfer Station.
	Tires are also being	Transfer Station	Residents are	We were able to dispose of 230 tires	We will continue to monitor this.

	brought to the transfer station.	Manager	encouraged to bring their tires to transfer station. If a tire is brought in on a rim we don't charge them, but without a rim, there is a small charge. We have adopted a senior discount policy to help our seniors with a discount when they bring in items.	this year.	
	Transfer Station has petitioned state for State Form 1-B allowing us a permit modification	Transfer Station Manager	This will allow us to receive, manage, transfer items that could damage the environment	This permit modification has been completed.	We will continue with the modified permit requirements.

3. Illicit Discharge Detection and Elimination

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 15 (Reliance on non-municipal partners indicated, if any)	Planned Activities-Permit Year 15
	Follow Town Policy for notice requirements during a public hearing that requires a storm water management plan. Developers and residents will be reminded of BMP	Planning Board	Observe requirements for the storm water management plan	Continue to educate the public on BMP for storm water management	Continue to follow requirements and public notice for these parcels.
Revised					
	General Public Laptop presentation to educate residents of healthy ground water around their home, as well as along the road and shoulder area.	Conservation Commission	To expose residents to as much education as possible, regarding our storm water management.	Conservation Commission completed site walks and did some clean-up of trails along wetlands on the peanut trail and Old Lower road and shores of Country Pond.	Many people have come forward saying they would participate in site walks. This will continue in 2018.
Revised					
	Transfer station was approved for a voucher system for June 2014-May 30, 2015	Transfer Station Manager	Residents will be allowed to lease items at transfer station, in hopes this will prevent contaminated ground water runoff.	People will not be charged for items brought to transfer station and will be allowed one truckload for the year. This will be easier for the employees to handle and will not put as much pressure on them by not having massive amounts of debris and rubbish in a concentrated period of time, since it can be spread out during the whole year.	We may continue to do this in years to follow as long as the funding is approved by the voters.
Revised					
	Stream Monitoring	Conservation Commission	School involvement	The Conservation Commission was not able to co-ordinate this in 2016.	This event will be planned again in 2018.
Revised					

	Used Oil Collection Center	Transfer Station Manager	To encourage and educate the residents to bring their used oil to the transfer station.	Collected 1,300 gallons this permit year	Will continue to encourage and educate public on the proper transportation of oil to transfer station
Revised					
	Residents have requested a compost pile at the transfer station	Transfer Station Manager	Now allow residents to bring their leaves to the transfer station in an area that will be rotated for compost.	Have an area designated for residents to dispose of their leaves in the fall. Employees will turn over pile to make compost that residents can take for free.	Will continue this plan in next permit year. Residents seem excited about it.
Revised					

3a. Additions

	Replacement/repair Septic Systems	Health officer	Findings/Course of Action	9 new septic systems constructed and 9 replacement/repair systems and 0 new commercial system.	Continue due diligence with replacement/repairs to failed septic systems
	Yearly monitoring of groundwater quality at the Newton Landfill on Dugway Road	Town Administrator & Transfer station manager	Monitor the groundwater quality as outlined in the groundwater management permit issued in April 2002 by NHDES	Continue monitoring and report finding per the Groundwater Management Permit. Contract with R.W. Gillespie and Associates for this permit. Four monitoring wells in this area and all testing is fine.	Continue contracting with R. W. Gillespie and Associates, inc to continue monitoring the groundwater quality.
	Prepare digital map of drainage system and include roadside swales	Highway Department and Town Engineer	Create a digital system map with all system components and watershed areas to define key discharge points for future sampling	Existing system map (paper copy) is updated as new drainage infrastructure is constructed or repaired	Complete first draft of system map with major watersheds defined in 2018

4. Construction Site Stormwater Runoff Control

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 15 (Reliance on non-municipal partners indicated, if any)	Planned Activities –Permit Year 15
	Subdivision regulations for both commercial and residential review	Planning board	Continue review and update zoning regulations	Working to update our ordinances and regulations according to legislative changes and suggestions made by our Rockingham Planning Commission. Code Enforcement Officer to assist in these inspections.	Continue review
Revised					
	Continue to work on Sediment Control	Road Agent, Planning Board, Building Dpt., and Conservation Commission	Regular inspections and corrective action when needed	Inspections are conducted by site walks from Planning Board, Conservation Commission, Town Engineer and Road Agent	Continue this practice
Revised					
	Erosion Control	Planning Board, Building Dept, Conservation Commission	Inspections and site walks when needed	New construction/subdivision erosion control inspections are conducted when needed by town engineer, planning board, conservation commission.	Continue inspections
Revised					
	Natural resources and environmental protection	Planning board & conservation commission	Site inspections and corrective actions as needed	Earth excavation regulations developed to control erosion, sedimentation, water pollution, air pollution & human safety hazards	Review on a regular basis and label areas of concern
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 15 (Reliance on non-municipal partners indicated, if any)	Planned Activities –Permit Year 15
	Revise existing Ordinances as needed	Planning board	Revise ordinance and work with conservation on updates	Continue inspections during and after project is complete	Continue to work with town engineer and Rockingham planning commission.
Revised					
	Catch Basins	Road Agent	Inventory catch basins	Keeping reports of catch basins	Add to the reports the amount of sediment removed from catch basins.
Revised					
	Run-off caused by alteration of terrain	Planning Board & Conservation Commission	Have an engineering plan review after alteration of terrain	Town engineer authorized to study drainage issues and make recommendations that will reduce flooding.	Will continue to monitor sites for any further issues.
Revised	<i>This location is in good shape and has corrected the run-off</i>				
	Alteration of terrain by shoreline at Country Pond	Conservation commission	Residents submit permit requests to remove trees by water's edge; Often times to repair retaining walls. Con com will schedule meetings with resident and sometimes a site walk.	Conservation contacts residents to confirm their intentions regarding the permit, and remind them of Best Management Practices on the water's edge. We refer them to the web site and a print out of regulation.	Conservation Commission would like to find a way to distribute BMP around the water. So when residents contact us we inform them of ways to keep the waterway clean and safe.
Revised	<i>Permits have been filed with DES</i>				

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 15 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 15
	Catch basin clean up on a schedule throughout the year	Road Agent	Maintain according to BMP	Annual catch basin cleaning was completed.	Continue mapping catch basins and cleaning program.
Revised					
	Map outfalls/catch basins/culverts	Road Agent	Map on file	Road crew monitors, cleans and documents areas and work completed	Continue to monitor subject areas and update map when possible.
Revised					
	Schedule maintenance on outfalls/catch basins/culverts	Road Agent & EMD	Schedule and log maintenance	Annual catch basin cleaning was completed and outfalls were cleaned when problems were identified.	Continue maintenance of our drainage system.
Revised					
	Road Salt Reduction	Road Agent	Reduce salt on road during winter storms	The road agent puts a 66% sand / 33% salt mixture on certain roads during winter storms. In early winter and at end of winter he generally uses straight sand.	Continue using reduced salt on certain roads during winter and no salt near shore land and wetlands.
Revised	<i>Allowing residents to get sand at transfer station</i>	Transfer station manager	In hopes of preventing people from buying salt, we are giving them sand.		

	Used Oil Collection Center	Transfer Station Manager	Continue to allow residents from Newton, East Kingston and South Hampton a place to recycle their used oil	Continue this program	Continue to education residents on the best management practices for delivering and transporting used oil to the Oil Collection Center.
Revised					
	Tires	Transfer station manager	To improve storage of tires taken into the transfer station in a proper building preventing run off	Tires are stored in one of the sheds on site and out of the weather.	Continue to work on improving operations

6a. Additions

	Sand & Salt Shed Built in November 2009	Road Agent	To store the town's sand and salt needed to treat the roads.	Shed has been in service since 2009. We continue to monitor abutter's wells and we have no issues with drain off at this time.	Continue to monitor the area and maintain a well organized storage area.
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7. BMPs for Meeting Total Maximum Daily Load (TMDL) Waste Load Allocations (WLA) <<if applicable>> N/A for Newton

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 15 (Reliance on non-municipal partners indicated, if any)	Planned Activities– Permit Year 15
Revised					

7a. Additions

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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, 2016 through March 31, 2017)

Programmatic

	(Preferred Units)	Response
Stormwater management position created/staffed	(y/n)	N
Annual program budget/expenditures ** con com and road agent	(\$)	
Total program expenditures since beginning of permit coverage	(\$)	
Funding mechanism(s) (General Fund, Enterprise, Utility, etc)		General fund

Education, Involvement, and Training

Estimated number of property owners reached by education program(s)	(# or %)	70-75%
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.)	Y 1/2 mile
Shoreline cleaned since beginning of permit coverage	(mi.)	1 mile
Household Hazardous Waste Collection Days (warrant article approved in 2016)		
▪ days sponsored ** Hazardous Waste Day held on	(#)	0
▪ community participation ** conservation & volunteers working on plan	(# or %)	5
▪ material collected ** See attached	(tons or gal)	
School curricula implemented	(y/n)	Y

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		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

	(Preferred Units)	Response
Outfall mapping complete	(%)	100%
Estimated or actual number of outfalls	(#)	150
System-Wide mapping complete (complete storm sewer infrastructure)	(%)	100%
Mapping method(s)		
▪ Paper/Mylar	(%)	100%
▪ CADD	(%)	0%
▪ GIS	(%)	0%
Outfalls inspected/screened **	(# or %)	0%
Outfalls inspected/screened (Since beginning of permit coverage)	(# or %)	95%
Illicit discharges identified **	(#)	0
Illicit discharges identified (Since beginning of permit coverage)	(#)	0
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) **	(#)	
Estimated percentage of construction starts adequately regulated for erosion and sediment control **	(%)	100%
Site inspections completed **	(# or %)	100%
Tickets/Stop work orders issued **	(# or %)	0
Fines collected **	(# and \$)	0
Complaints/concerns received from public **	(#)	
Complaints/concerns received by the Conservation Commission		

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)	Y
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)	1x per yr
Average frequency of catch basin cleaning (commercial/arterial or other critical streets) **	(times/yr)	1x per yr
Qty of structures cleaned **	(#)	
Qty. of storm drain cleaned **	(%, LF or mi.)	

Qty. of screenings/debris removed from storm sewer infrastructure **	(lbs. or tons)	
Disposal or use of screenings (landfill, POTW, compost, beneficial use, etc.) **	(location)	Town Property

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	(#)	n/a
Vacuum truck(s) owned/leased	(#)	n/a
Vacuum trucks specified in contracts (contracted outside company's truck)	(y/n)	1
% Structures cleaned with clam shells **	(%)	
% Structures cleaned with vector **	(%)	

(Preferred Units) Response

Average frequency of street sweeping (non-commercial/non-arterial streets) **	(times/yr)	
Average frequency of street sweeping (commercial/arterial or other critical streets) **	(times/yr)	0
Qty. of sand/debris collected by sweeping **	(lbs. or tons)	n/a
Disposal of sweepings (landfill, POTW, compost, beneficial use, etc.) **	(location)	n/a
Annual Sweeping Costs		
• Annual budget/expenditure (labor & equipment)**	(\$)	n/a
• Hourly or lane mile contract rate **	(\$/hr. or ln mi.)	n/a
• Disposal cost**	(\$)	n/a
Sweeping Equipment		
• Rotary brush street sweepers owned/leased	(#)	0
• Vacuum street sweepers owned/leased	(#)	0
• Vacuum street sweepers specified in contracts	(y/n)	N

• % Roads swept with rotary brush sweepers **	5%	0
• % Roads swept with vacuum sweepers **	10%	0

Reduction (since beginning of permit coverage) in application on public land of: ("N/A" = never used; "100%" = elimination)		
▪ Fertilizers Imidacloprid -1 (6 applications per year)	(400 lbs)	
▪ Herbicides	(lbs. or %)	n/a
▪ Pesticides	(lbs. or %)	n/a
Integrated Pest Management (IPM) Practices Implemented	(y/n)	N
Insecticides used for prevention of "Triple EEE"		
Altosid WSP EPA registration 2724-448: 1 pouch/135 sq. ft. (used in catch basins)		
VectoBac CG: EPA registration GS 73049-10: 6-10 lb.		
Agnique MMF: EPA registration 53263-28: 0.2-1.0 gal/acre (16oz)		
BVA-2 MLO: EPA registration 70589-1: 3-5 gal		

	(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	33% 0 0 0 0 0 66%
Pre-wetting techniques utilized **	(y/n or %)	n/a
Manual control spreaders used **	(y/n or %)	100%
Zero-velocity spreaders used **	(y/n or %)	n/a
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 #)	0
100% of salt/chemical pile(s) covered in storage shed(s) by May 2008	(y/n)	100%

Water Supply Protection

Storm water outfalls to public water supplies eliminated or relocated	# or y/n	0
Installed or planned treatment BMPs for public drinking water supplies and their protection areas	# or y/n	n
<ul style="list-style-type: none"> Treatment units induce infiltration within 500-feet of a wellhead protection area 	# or y/n	n