

Municipality/Organization: Town of Newton, NH

EPA NPDES Permit Number: NHR041023

MassDEP Transmittal Number: W-

Annual Report Number & Reporting Period: Year 8
May 1, 2010 – April 30, 2011

NPDES PII Small MS4 General Permit Annual Report (Due: May 1, 2011)

Part I. General Information

Contact Person: Trisha McCarthy **Title:** Board of Selectmen

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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: Trisha McCarthy

Title: Board of Selectmen

Date: 09/08/11

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, except for the following provisions: The Town of Newton failed to submit its annual report by the required deadline. The Town of Newton is in its third year default budget and are having a difficult time in training and educating both our employees and the public due to lack of funds. The burden to complete this report becomes the responsibility of the scaled back employee force. Much of this report is the from the Road Agent (a part time person and we have no public works department). We continue to search for training methods via technology, hence lower costs, but again we are struggling. We have gotten creative in broadcasting on our web site and our public service channel as a means of education. Much like the rest of the state we are having a difficult time in maintaining our infrastructure. The storms in this time frame have taken a toll on our culverts, catch basin and swales, with erosion being the problem. Newton has written some grants that were accepted and will work on roads that were damaged as a result of severe weather conditions. New is working on trails, thanks to a new trials committee that was appointed in 2010, and is starting to maintain trails by removing rotted trees and debris from trails and wetlands. Warrant article for Amnesty Weekend (for the second year in a row) at the transfer station passed and was a great success. Over 850 tires were received at the transfer station during the amnesty weekend and many residents volunteered in cleaning conservation land and trails.

Part III. Summary of Minimum Control Measures

The following table represents the Town of Newton’s plan and best management practices. The Best Management Practices are still suitable for the Town. Our progress is described in Part III and summarized in Part IV. We collecting information and analyzing ways to improve.

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 –Permit Year 9
Revised	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 has worked well in the past, so we hope to do it again this year.	This is the second year in a row we had to cancel due to extreme weather conditions. The school was unable to reschedule this activity.	We have spoken to the Principle at the school and he is going to work with us this year to have the event again.

Revised	General Public Education at the annual Family Fun Fair, using last years presentation on lap top and EPA bookmarks and DVD	Conservation Commission	Very successful event. Had presentation on how to achieve healthy ground water at home. Made the presentation user friendly for kids, with prizes for those that participated in the interactive games. We even had adults that wanted to play the games.	“After the Storm” laptop presentation to the public	Next year we will continue with event. Gave out raffle prizes to kids and adults. Very sunny day so we had a problem with seeing the lap top. Had the same problem last year, so we changed our location, but still had a problem with the sun.
Revised					
Revised	Manure Management Seminar for residents with small hobby/type residents with horses chickens etc.	Conservation commission and Selectmen	Although we didn't run this even this year, we made visits to local residents and gave our brochure and DVD.	We plan on holding this again next year.	Plan this for next year.
Revised	Planning board is looking for options for community growth while working on BMP around wells, septic and wetlands	Planning Board	Organized community charrett with Plan NH to educate resident on ways to create vibrant village centers while still preserving open space.	Grant was accepted for the charrett. We have had 16 public meetings and have established 4 village districts. We have talked about density, drain off and swales during all our meetings.	Continue public meetings on the village district and zoning

1a. Additions

Amnesty Weekend at the Transfer Station	Transfer Station manager and Conservation Commission	Warrant article passed by the residents. Held a two day amnesty weekend at the transfer station that will allow Newton residents to bring items to transfer station for free	Very successful event. Took in over 850 tires and house hold rubbish and debris. Conservation Commission also worked in removing items from the wetlands and shoreline. .	This has been very successful; We are deciding on having this event again or possible a Hazardous Waste Day Event instead.

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-Permit Year 9
Revised	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 Education for cleaning up around their home and the road side disposal at our 2 nd Amnesty Weekend.	Selectmen, & Transfer Station Manager	Many residents came forward to clean their property and road side to remove debris and	Residents responded well to our 2 nd Amnesty Weekend. They would like it to be longer.	Will do a warrant article again and let residents vote for this.
	Plan NH Charrette meetings held for the public	Planning Board	Continue with meetings to obtain public input and concerns. Well attended meetings.	Have determined four key areas that would be appropriate Village District Locations.	Village District has been approved and we continue to hold public hearings to improve this locations

Revised	Stream Monitoring	Conservation Commission	School involvement	Unable to complete this task this year. .	Hope to get this done for the next permit year.
Revised	Used Oil Collection Center	Transfer Station Manager	To encourage and educate the residents to bring their used oil to the transfer station.	Collected 1350 gallons this permit year	Will continue to encourage and educate public on the proper transportation of oil to transfer station
Revised	Residents are requesting 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 made from leaves that residents can take from as the compost develops.	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. This seems to be working well.	Will continue this plan in next permit year. Residents seem excited about it.
Revised					

2a. Additions

	Residents				

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-Permit Year 9
Revised	Map suspected areas	Road Agent	Map on file	Update yearly	We update yearly and review with selectmen

Revised	Inspections of culverts and catch basins	Road Agent	Regular report are completed and filed	Reports are on file with Road Agent	Continue reports and review and update as needed. With part time road crew we are looking for ways to better document
Revised	Aquifer Protection Ordinance	Planning Board & Conservation commission	Update as needed	Yearly review of ordinance with planning board and conservation commission	Continue review of ordinance
Revised	Wetland Zoning Ordinance and shoreline protection buffer	Planning Board & conservation commission	Update as needed	Yearly review of ordinance with planning board and conservation commission	Continue review of ordinance
Revised	Subdivision Regulations	Planning board and building department	Update as needed	Yearly review of regulation with building department and planning board	Continue reviewing regulations
Revised	Shoreland & Protection District & Regulations	Planning board & conservation commission	Update as needed	Review Shoreland Protection Act map of water bodies provided by the RPC	Continue reviewing regulation

3a. Additions

Replacement/repair Septic Systems	Health officer	Findings/Course of Action	Identified and repaired 18 new construction septic systems and 8 replacement/repair systems and 2 new commercial systems.	Continue due diligence with replacement/repairs to failed septic systems
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	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. Wells are testing fine.
	Code Enforcement	Code Enforcement Officer	Handle complaints concerning junk yards and zoning violations	Code enforcement officer is assisting four junk-yard type areas in town and clean up for the protection of ground water run off	Continue inspections at these locations and site walks with the conservation commission
	Wetland Zoning Ordinance	Planning Board	Update as needed	Floodplain Development Ordinance amended to comply with National Flood Insurance Program	Update as needed

4. Construction Site Stormwater Runoff Control

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 8	Planned Activities –Permit Year 9
Revised	Subdivision regulations for both commercial and residential review	Planning board	Continue review and update zoning regulations	(Reliance on non-municipal partners indicated, if any) Working to update our ordinances and regulations according to legislative changes and suggestions made by our Rockingham Planning Commission. Code enforcement officer is working out well and keeps selectmen and building department up to date with potential issues.	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 And Road Agent	Inspections and site walks when needed	Erosion control inspections are conducted when needed by town engineer, planning board, conservation commission, and Road Agent	Continue inspections
Revised	Natural resources and environmental protection <i>Continue</i>	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. Request public meetings and hearings to discuss clear cuts and excavations
Revised	One project on Heath Street required a storm water management plan	Planning Board	Site walk completed by Planning Board and Conservation Commission	This is phase one of a multi-phase sub-division.	Will continue to monitor site as it progresses
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 –Permit Year 9
Revised	Revise existing Ordinances as needed <i>Continue working on this as needed</i>	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 <i>This location is in good shape and has corrected the run-off</i>	Planning Board	Have an engineering plan review after alteration of terrain	Complaint review regarding stormwater run-off leaving Katherine Drive project and flooding CBI property on Whittier St. Town engineer authorized to study drainage issues. Recommendation made that will reduce flooding.	Will continue to monitor site for any further issues. This area has been corrected.
Revised	Alteration of terrain by shoreline at Country Pond <i>Permits have been filed with DES</i>	Conservation commission	Resident requested permission to remove trees by water's edge and another resident that was construction a retaining wall on Ridge Rd.	Conservation completed site walks at both locations and informed both residents that state permits would be required. Gave them the web site and a print out of regulation. Also gave them a copy of application.	Conservation Commission would like to find a way to distribute BMP around the water. Can't afford to mail to residents, so we may hand deliver. Will continue to work on this. These locations are all set at this time.

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 8 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 9
Revised	Catch basin clean up on a schedule throughout the year	Road Agent	Maintain according to BMP	Road crew continues to become more knowledgeable on storm water management. Looking for more free training and education for them. Didn't go to training this year. Default Budget is preventing it.	Continue mapping catch basins and go road crew will go to training when available.
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
Revised	Schedule maintenance on outfalls/catch basins/culverts	Road Agent	Schedule and log maintenance	Weekly reports outlined maintenance performed b the road crew. Wrote a Hazard Mitigation Plan was approved by State . .	Continue weekly reports.
Revised	Road Salt Reduction <i>Allowing residents to get sand at transfer station</i>	Road Agent Transfer station manager	Reduce salt on road during winter storms In hopes of preventing people buying salt we are giving them sand.	The road agent puts a 50/50 mixture on the roads during winter storms. In early winter and at end of winter he generally uses straight sand.	Continue using reduced salt on road during winter and no salt near shore land and wetlands.
Revised	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	Warrant article for purchase of new sheds for transfer station storage of tires	Transfer station manager	To improve storage of tires taken into the transfer station in a proper building preventing run off	Warrant article passed, so we will be going out to bid for the sheds.	Sheds have been installed and are waiting for foundation to be poured..

6a. Additions

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 8 (Reliance on non-municipal partners indicated, if any)	Planned Activities

7b. WLA Assessment

Part IV. Summary of Information Collected and Analyzed

Approximately 30 catch basins were cleaned by our Road Crew in Permit Year 8
 Two new catch Basins were added in Permit Year 8
 Approximately 5 culverts were repaired in Permit Year 8
 No box culverts was raised and replaced in Permit Year 8
 Approximately 20 storm drains were cleaned by Road Crew during Permit Year 8

Part V. Program Outputs & Accomplishments (OPTIONAL)

(Since beginning of permit coverage unless specified otherwise by a **, which indicates response is for period covering May 1, 2010 through April 30, 2011)

Programmatic

	(Preferred Units)	Response
Stormwater management position created/staffed	(y/n)	N
Annual program budget/expenditures ** con com and road agent	(\$)	\$400.00
Total program expenditures since beginning of permit coverage	(\$)	\$500.00
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 %)	80%
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.)	N
Shoreline cleaned since beginning of permit coverage	(mi.)	½ mile
Household Hazardous Waste Collection Days (warrant article approved for Amnesty Weekend in 2010)		
<ul style="list-style-type: none"> ▪ days sponsored ** will be two days ▪ community participation ** conservation & volunteers working on plan ▪ material collected ** 	(#)	2
School curricula implemented	(# or %)	16
	(tons or gal)	850 tires
	(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	(%)	70%
Estimated or actual number of outfalls	(#)	160
System-Wide mapping complete (complete storm sewer infrastructure) no public sewer system	(%)	100%
Mapping method(s)		
▪ Paper/Mylar	(%)	100%
▪ CADD	(%)	0%
▪ GIS	(%)	0%
Outfalls inspected/screened **	(# or %)	80%
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	(%)	n/a
% of population on septic systems	(%)	100%

Construction

	(Preferred Units)	Response
Number of construction starts (>1-acre) **	(#)	13
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 **	(#)	8

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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)	N/A
Qty of structures cleaned **	(#)	30
Qty. of storm drain cleaned **	(%, LF or mi.)	#20
Qty. of screenings/debris removed from storm sewer infrastructure **	(lbs. or tons)	30 cubic yards
Disposal or use of screenings (landfill, POTW, compost, beneficial use, etc.) **	(location)	Town Property

Basin Cleaning Costs

• Annual budget/expenditure (labor & equipment)**	(\$)	\$20000.
• Hourly or per basin contract rate **	(\$/hr or \$ per basin)	\$27.00 per hr
• 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 **	(%)	70%
• % Structures cleaned with vactor **	(%)	30%

	(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)	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 **	%	0
• % Roads swept with vacuum sweepers **	%	0

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	25% 0 0 0 0 0 75%
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 %)	225 ton
Estimated net reduction or increase in typical year sand application rate **	(±lbs/ln mi. or %)	450 ton
% 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
• Treatment units induce infiltration within 500-feet of a wellhead protection area	# or y/n	n