



Civil Engineers
Structural Engineers
Traffic Engineers
Land Surveyors
Landscape Architects
Scientists

September 25, 2015

Glenda Velez - CIP
U.S. Environmental Protection Agency - Region 1
5 Post Office Square – OEP06-01
Boston, MA 02109-3912

Jeff Andrews
New Hampshire Department of Environmental Services
Wastewater Engineering Bureau
6 Hazen Drive
PO Box 95
Concord, NH 03302-0095

Re: Municipal Separate Storm Sewer Systems (MS4s); NHR041025
General Permit Annual Report – No. 12 March 2014- March 2015
Town of Pelham, NH

Dear Ms. Velez:

TFMoran, Inc. (TFM) is pleased to submit for the Town of Pelham, New Hampshire their NPDES PII Small MS4 General Permit Annual Report in compliance with the Storm Water Phase II MS4 regulations.

Please feel free to contact me at (603) 472-4488 if you have any questions.

Sincerely,
TFMoran, Inc.

Daniel Blais, CPESC
Senior Project Manager

cc: Town of Pelham, NH

Municipality/Organization: Pelham, NH

EPA NPDES Permit Number: NHR041025

**Annual Report Number
& Reporting Period:** No. 10: March 2013-March 2014

NPDES PII Small MS4 General Permit Annual Report

Part I. General Information

Contact Person: Brian McCarthy **Title:** Town Administrator

Telephone #: 603-508-3074 **Email:** bmccarthy@pelhamweb.com

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: Brian McCarthy

Title: Town Administrator

Date: 9/24/15

Part II. Self-Assessment

The Town of Pelham has completed the required self-assessment and has determined that our municipality is in compliance with all permit conditions and Best Management Practices (BMP).

Part III. Summary of Minimum Control Measures

1. Public Education and Outreach

BMP ID #	BMP Description	Additional Year 4 2011	Additional Year 5 2012	Additional Year 6 2013	Additional Year 7 2014
1.1	BMP Description Plan and research public education programs and plan for funding Measurable Goal(s) Plan and funds by 2004 Responsible Dept./Person Name Planning Director	Planned Activities – Continued distribution of brochure Progress on Goal(s) – Created a Homeowners Guide to the Do's and Don'ts Near Wetlands and placed on Town Website.	Planned Activities – Continued distribution of brochure Progress on Goal(s) – Wetlands No-Disturbance Buffer Delineator program in effect.	Planned Activities – Continued distribution of brochure Progress on Goal(s) – Wetlands No-Disturbance Buffer Delineator program in effect.	Planned Activities – Continued distribution of brochure Progress on Goal(s) – Wetlands No-Disturbance Buffer Delineator program in effect.
1.2	Planned Activities – Show EPA video "After the Storm" on community local access television station. Stormwater Committee to research additional programs Progress on Goal(s) – EPA video "After the Storm" was played at least 100 times, approximately twice a week sometimes more.	Planned Activities – Showing "Conservation Options" Video Progress on Goal(s) – "Conservation Options" Video was played at least 100 times, approximately twice a week sometimes more.	Planned Activities – Showing "Conservation Options" Video Progress on Goal(s) – "Conservation Options" Video was played at least 100 times, approximately twice a week sometimes more.	Planned Activities – Showing "Conservation Options" Video Progress on Goal(s) – "Conservation Options" Video was played at least 100 times, approximately twice a week sometimes more.	Planned Activities – Showing "Conservation Options" Video Progress on Goal(s) – "Conservation Options" Video was played at least 100 times, approximately twice a week sometimes more.

BMP ID #	BMP Description	Additional Year 4 2011	Additional Year 5 2012	Additional Year 6 2013	Additional Year 7 2014
1.3	<p>BMP Description Save Long Pond Brochure Cyanobacteria Awareness</p> <p>Measurable Goal(s) Distribute as needed</p> <p>Responsible Dept./Person Name Parks and Recreation Advisory Board</p>	<p>Planned Activities – Continue to monitor water quality at Long Pond</p> <p>Progress on Goal(s) – The Town continues to participate in the NHDES VLAP program. A Cyanobacteria advisory was issued by the NHDES July 12 - 14 of 2011.</p>	<p>Planned Activities – Continue to monitor water quality at Long Pond</p> <p>Progress on Goal(s) – The Town continues to participate in the NHDES VLAP program. A Cyanobacteria advisory was issued by the NHDES Sept. 6 – Oct.18 of 2012.</p>	<p>Planned Activities – Continue to monitor water quality at Long Pond</p> <p>Progress on Goal(s) – The Town continues to participate in the NHDES VLAP program. No advisories were issued by the NHDES in 2013.</p>	<p>Planned Activities – Continue to monitor water quality at Long Pond</p> <p>Progress on Goal(s) – The Town continues to participate in the NHDES VLAP program. Two Cyanobacteria advisories were issued by the NHDES; each posting lasted 2-days for a total of 4-days of posting</p>
1.4	<p>BMP Description Implement Stormwater Committee</p> <p>Measurable Goal(s) Meet monthly in 2006 and at least bi-monthly thereafter to plan and evaluate BMP implementations</p> <p>Responsible Dept./Person Name Planning Dept., School Board, Town Administration, Highway Dept., Parks and Recreation Advisory Board, and Conservation Commission</p>	<p>Planned Activities – Continue to meet and research various methods of stormwater management.</p> <p>Progress on Goal(s) – Continued involvement with NRPC Regional Stormwater Coalition.</p>	<p>Planned Activities – Continue to meet and research various methods of stormwater management.</p> <p>Progress on Goal(s) – Continued involvement with NRPC Regional Stormwater Coalition. The town and NRPC are developing Overlay Districts that will include Soil Based Zoning.</p>	<p>Planned Activities – Continue to meet and research various methods of stormwater management.</p> <p>Progress on Goal(s) – Continued involvement with NRPC Regional Stormwater Coalition. The town and NRPC are developing Overlay Districts that will include Soil Based Zoning.</p>	<p>Planned Activities – Continue to meet and research various methods of stormwater management.</p> <p>Progress on Goal(s) – The Town enacted the Pelham Center Mixed-Use Overlay Districts that will enable the development of businesses and residential uses on the same parcel; this district is intended to accommodate pedestrian friendly traffic and reduce impervious surfaces (roofs & pavement) by allowing for housing in commercial uses.</p>

Environmental Protection Agency (EPA)
Nashua Regional Planning Commission (NRPC)
New Hampshire Department of Environmental Services (NHDES)

2. Public Involvement and Participation

BMP ID #	BMP Description	Additional Year 4 2011	Additional Year 5 2012	Additional Year 6 2013	Additional Year 7 2014
2.1	BMP Description Solicit the public as to the type of involvement of participation Measurable Goal(s) Complete by 2005 Responsible Dept./Person Name Planning Director	Planned Activities – No activity planned. Progress on Goal(s) – This BMP has been replaced by BMP 1.4.	Planned Activities – No activity planned. Progress on Goal(s) – This BMP has been replaced by BMP 1.4.	Planned Activities – No activity planned. Progress on Goal(s) – This BMP has been replaced by BMP 1.4	Planned Activities – No activity planned. Progress on Goal(s) – This BMP has been replaced by BMP 1.4
2.2	BMP Description Conduct public programs Measurable Goal(s) Complete by 2007 Responsible Dept./Person Name Planning Director and Stormwater Committee	Planned Activities – Continue public outreach. Progress on Goal(s) – Purchased two (2) parcels of land that adds 109 acres to existing conservation land. Signed P&S on a 14-acre parcel adjacent to conservation land.	Planned Activities – Continue public outreach. Progress on Goal(s) – Purchased a 14 acre parcel of land that includes an access easement to the Gumpas Pond Recreation Area. Signed a P&S agreement for a 36 acre parcel near the Merriam/Cutler Conservation Area.	Planned Activities – Continue public outreach. Progress on Goal(s) – Purchased a 36 acre parcel on Green meadow Dr. and 57 acre portion of the Lareau Farm; both parcels about the 109 acre parcel purchased in 2011. When final parcels are purchased a 575 acre contiguous open space parcel will be completed.	Planned Activities – Continue public outreach. Progress on Goal(s) – Purchased a 40 acre parcel on the Pelham border with Dracut MA for addition into the Town's Conservation land
2.3	BMP Description Hold hazardous waste collection days at Nashua DPW Measurable Goal(s) Regional hazardous waste collection days are held annually with drop-off located at the Nashua DPW garage for 5 of the days and one day at the Milford DPW. Responsible Dept./Person Name Highway Department	Planned Activities – Six (6) hazardous waste collection days are scheduled for 2011. Progress on Goal(s) – Hazardous waste collection days were held six (6) times, April through November in 2011.	Planned Activities – Six (6) hazardous waste collection days are scheduled for 2012. Progress on Goal(s) – Hazardous waste collection days were held six (6) times, April through November in 2012. 2,307 pounds of hazardous waste were collected.	Planned Activities – Six (6) hazardous waste collection days are scheduled for 2013. Progress on Goal(s) – Hazardous waste collection days were held six (6) times, April through November in 2013. Paint, solvent and thinners, lawn and garden products and sealers were collected.	Planned Activities – Six (6) hazardous waste collection days were scheduled for 2014. Progress on Goal(s) – Hazardous waste collection days were held six (6) times, April through November in 2014. Paint, solvent and thinners, lawn and garden products and sealers were collected

3. Illicit Discharge Detection and Elimination

BMP ID #	BMP Description	Additional Year 4 2011 (Reliance on non-municipal partners indicated, if any)	Additional Year 5 2012	Additional Year 6 2013	Additional Year 7 2014
3.1	<p>BMP Description Plan and fund mapping of UA, (GIS Mapping of Town completed and available on Town Website) Continue to develop ways to remove possible pollutants from stormwater discharges.</p> <p>Measurable Goal(s) Look at needs as it applies to illicit discharge detection and elimination control measures</p> <p>Responsible Dept./Person Name Planning Director</p>	<p>Planned Activities – Expand recycling efforts;</p> <p>Progress on Goal(s) – Town Recycling complex PERC was recognized with a Green City of the Year award and the Environmental Merit Award from the USEPA in 2011.</p> <p>PERC is now accepting leaf and grass clippings.</p>	<p>Planned Activities – Expand recycling efforts;</p> <p>Progress on Goal(s) – The recycling complex saw an increase in the amount of waste oil and vegetable oil it received when compared to previous years.</p> <p>Facility looking to add single stream recycling compactor to reduce trucking trips.</p>	<p>Planned Activities – Expand recycling efforts;</p> <p>Progress on Goal(s) – Facility added single stream recycling compactor to reduce trucking trips.</p> <p>The recycling complex reached 32% recycling diversion</p> <p>Facility looking to add organics, plastic bags or film and composting components.</p>	<p>Planned Activities – Expand recycling efforts;</p> <p>Progress on Goal(s) – Facility added single stream recycling compactor to reduce trucking trips.</p> <p>The recycling complex maintained a 32% recycling diversion while diverting an increase of 17-tons over the previous year</p>
3.3	<p>BMP Description Develop stormwater bylaw</p> <p>Measurable Goal(s) Bylaws developed and presented to selectman</p> <p>Responsible Dept./Person Name Planning Director</p>	<p>Planned Activities – Adopt revised bylaws as necessary.</p> <p>Progress on Goal(s) – Continue review of bylaws.</p>	<p>Planned Activities – Adopt revised bylaws as necessary.</p> <p>Progress on Goal(s) – Continue review of bylaws.</p>	<p>Planned Activities – Adopt revised bylaws as necessary.</p> <p>Progress on Goal(s) – Continue review of bylaws.</p>	<p>Planned Activities – Adopt revised bylaws as necessary.</p> <p>Progress on Goal(s) – Continue review of bylaws.</p>

BMP ID #	BMP Description	Additional Year 4 2011	Additional Year 5 2012	Additional Year 6 2013	Additional Year 7 2014
3.4	BMP Description Dry weather screening of outfalls Measurable Goal(s) Screening at outfalls during dry weather Responsible Dept./Person Name Highway Department	Planned Activities – Continued screening during repair/maintenance. Progress on Goal(s) – Screening on-going.	Planned Activities – Continued screening during repair/maintenance. Progress on Goal(s) – Screening on-going.	Planned Activities – Continued screening during repair/maintenance. Progress on Goal(s) – Screening on-going	Planned Activities – Continued screening during repair/maintenance. Progress on Goal(s) – Screening on-going
3.5	BMP Description Develop policy for elimination of illicit discharges Measurable Goal(s) Prepared policy for elimination of illicit discharges Responsible Dept./Person Name Planning Director	Planned Activities – Adopt policy Progress on Goal(s) – IDDE Ordinance has been approved by the voters and is included in the Town's Zoning ordinance.	Planned Activities – Adopt policy Progress on Goal(s) – IDDE Ordinance has been approved by the voters and is included in the Town's Zoning ordinance.	Planned Activities – Review policy Progress on Goal(s) – IDDE Ordinance has been approved by the voters and is included in the Town's Zoning ordinance. The Planning Department will continue to review the ordinance for effectiveness.	Planned Activities – Review policy Progress on Goal(s) – IDDE Ordinance has been approved by the voters and is included in the Town's Zoning ordinance. The Planning Department will continue to review the ordinance for effectiveness.

4. Construction Site Stormwater Runoff Control

BMP ID #	BMP Description	Additional Year 4 2011	Additional Year 5 2012	Additional Year 6 2013	Additional Year 7 2014
4.1	BMP Description Review existing subdivision and site plan review regulations Measurable Goal(s) Review of Subdivision and Site Plan Regulations Responsible Dept./Person Name Planning Director	Planned Activities – Continue to review and revise regulations. Progress on Goal(s) – Revised regulations adopted	Planned Activities – The Town applied for a Community Block Grant to rework their Land Use regulations; the updated regulations will include LID strategies Progress on Goal(s) – Block Grant awarded; town to begin work on regulations thru 2013	Planned Activities – Create updated subdivision and site plan regulations Progress on Goal(s) – Updated regulations, including LID strategies have been drafted and are in the review process with the Planning Board and stakeholders	Planned Activities – Create updated subdivision and site plan regulations Progress on Goal(s) – Updated regulations, including LID strategies are now incorporated in the Towns Land Development. Pelham Master Plan update also in progress with 2016 completion date anticipated.
4.2	BMP Description Revise subdivision and site plan review regulations Measurable Goal(s) Revisions of Subdivision and Site Plan Regulations Responsible Dept./Person Name Planning Director	Planned Activities – Continue to review and revise regulations. Progress on Goal(s) – Revised regulations adopted	Planned Activities – Continue to review and revise regulations. Progress on Goal(s) – Revised regulations adopted	Planned Activities – Create updated subdivision and site plan regulations Progress on Goal(s) – Updated regulations, including LID strategies have been drafted and are in the review process with the Planning Board and stakeholders	Planned Activities – Create updated subdivision and site plan regulations Progress on Goal(s) – Updated regulations, including LID strategies are being utilized on Land Development projects
4.3	BMP Description Approval process for revised subdivision and site plan review regulations Measurable Goal(s) Spring 2006 Responsible Dept./Person Name Planning Director	Planned Activities – No activity planned. Progress on Goal(s) – No activity planned.	Planned Activities – No activity planned. Progress on Goal(s) – No activity planned.	Planned Activities – Create updated subdivision and site plan regulations Progress on Goal(s) – Updated regulations, including LID strategies have been drafted and are in the review process with the Planning Board and stakeholders	Planned Activities – Create updated subdivision and site plan regulations Progress on Goal(s) – Updated regulations, including LID strategies are being utilized on Land Development projects

BMP ID #	BMP Description	Additional Year 4 2011	Additional Year 5 2012	Additional Year 6 2013	Additional Year 7 2014
4.4	BMP Description Implement new subdivision and site plan review regulations Measurable Goal(s) End of 2007 Responsible Dept./Person Name Planning Director	Planned Activities – No activity planned. Progress on Goal(s) – No activity planned.	Planned Activities – No activity planned. Progress on Goal(s) – No activity planned.	Planned Activities – Create updated subdivision and site plan regulations Progress on Goal(s) – Updated regulations, including LID strategies have been drafted and are in the review process with the Planning Board and stakeholders	Planned Activities – Create updated subdivision and site plan regulations Progress on Goal(s) – Updated regulations, including LID strategies are being utilized on Land Development projects
4.6	BMP Description Site inspections Measurable Goal(s) Inspections conducted and documented Responsible Dept./Person Name Building Department and Conservation Commission	Planned Activities – Continue construction inspections. Progress on Goal(s) – Commercial sites are now being inspected to ensure compliance with approved plans.	Planned Activities – Continue construction inspections. Progress on Goal(s) – Commercial sites are now being inspected to ensure compliance with approved plans.	Planned Activities – Continue construction inspections. Progress on Goal(s) – Commercial sites were inspected to ensure compliance with approved plans.	Planned Activities – Continue construction inspections. Progress on Goal(s) – Commercial sites were inspected to ensure compliance with approved plans.
4.7	BMP Description Independent engineering company reviewing site plans and stormwater controls Measurable Goal(s) Independent review of all plans Responsible Dept./Person Name Planning Director	Planned Activities – Continue the program. Progress on Goal(s) – Independent firms reviewed and commented on all pertinent plans	Planned Activities – Continue the program. Progress on Goal(s) – Independent firms reviewed and commented on all pertinent plans	Planned Activities – Continue the program. Progress on Goal(s) – Independent firms reviewed and commented on all pertinent plans	Planned Activities – Continue the program. Progress on Goal(s) – Independent firms reviewed and commented on all pertinent plans

5. Post-Construction Stormwater Management in New Development and Redevelopment

BMP ID #	BMP Description	Additional Year 4 2011	Additional Year 5 2012	Additional Year 6 2013	Additional Year 7 2014
5.1	<p>BMP Description Review current structural BMPs</p> <p>Measurable Goal(s) Regular inspections of structural BMPs</p> <p>Responsible Dept./Person Name Planning Director and Highway Department</p>	<p>Planned Activities – Continued inspections and maintenance.</p> <p>Progress on Goal(s) – Drainage projects were completed on Main St. and West St.</p> <p>West street was totally reconstructed and paved with 2" binder. The wearing course will be installed in 2012.</p> <p>14 roads were repaved and drainage structures repaired and reset as necessary.</p> <p>14 roads were crack-sealed, shoulders were graded with loam or gravel, drainage was repaired on several roads.</p>	<p>Planned Activities – Continued inspections and maintenance.</p> <p>Progress on Goal(s) – Stormwater drainage projects were completed on Hobbs Road, Hinds Lane, Atwood Road and Marie Avenue.</p> <p>The Town repaved twelve (12) roads completely and two (2) road partially in 2012. Prior to repaving, the stormwater BMPs on these roads were inspected, repaired as needed; the frames and grates were set to the new pavement elevations as necessary.</p> <p>Stormwater culvert replacements were completed on Sawmill Road and Economou Drive.</p> <p>Brush was removed from several stormwater conveyance swales adjacent to roads throughout the town.</p>	<p>Planned Activities – Continued inspections and maintenance.</p> <p>Progress on Goal(s) – Stormwater drainage projects were completed on Falcon Drive, Spring Street, and Gladys Street. Fifty-six (56) catch basins were repaired and three were replaced completely.</p> <p>The Town repaved fourteen (14) roads (including Sawmill Road and Economou Drive which had culverts replaced in 2012) and crack-sealed eighteen (18) roads in 2013.</p> <p>Prior to repaving, the stormwater BMPs on these roads were inspected, repaired as needed; the frames and grates were set to the new pavement elevations as necessary.</p> <p>Brush was removed from several stormwater conveyance swales adjacent to roads throughout the town</p>	<p>Planned Activities – Continued inspections and maintenance.</p> <p>Progress on Goal(s) – Stormwater drainage projects were completed on Hinds Lane and Bowley Drive; The Bowley Drive culvert replacement was a major project that required the diversion of funds from the paving budget.</p> <p>Thirty-three (33) catch basins were repaired and six were rebuilt completely.</p> <p>The Town repaved ten (10) roads (including Falcon Drive which had stormwater drainage improvements last year) Prior to repaving, the stormwater BMPs on these roads were inspected, repaired as needed; the frames and grates were set to the new pavement elevations as necessary.</p> <p>The Town crack-sealed eighteen (18) roads in 2014.</p> <p>Brush was removed from several stormwater conveyance swales adjacent to roads throughout the town</p>

BMP ID #	BMP Description	Additional Year 4 2011	Additional Year 5 2012	Additional Year 6 2013	Additional Year 7 2014
5.2	BMP Description Review current non-structural BMPs Measurable Goal(s) Obtain Low Impact Development (LID) Technology Information Responsible Dept./Person Name Planning Director and Highway Department	Planned Activities – None Progress on Goal(s) – Conservation Development Ordinance adopted and included in Zoning Regulations.	Planned Activities – The Town applied for a Community Block Grant to rework their Land Use regulations; the updated regulations will include LID strategies and non-structural BMPs Progress on Goal(s) – Block Grant awarded; Town will begin working on redrafting ordinances in 2013	Planned Activities – Create updated subdivision and site plan regulations Progress on Goal(s) – Updated regulations, including LID strategies have been drafted and are in the review process with the Planning Board and stakeholders	Planned Activities – Create updated subdivision and site plan regulations Progress on Goal(s) – Updated regulations, including LID strategies have been drafted and are in the review process with the Planning Board and stakeholders
5.4	BMP Description Seek approval of new BMPs Measurable Goal(s) Revisions and replacement to BMPs as necessary Responsible Dept./Person Name Planning Director and Stormwater Committee	Planned Activities – To update BMPs as necessary. Progress on Goal(s) – BMP review ongoing.	Planned Activities – To update BMPs as necessary. Progress on Goal(s) – BMP review ongoing.	Planned Activities – To update BMPs as necessary. Progress on Goal(s) – BMP review ongoing as part of the Community Block Grant for revisions to the Zoning and Development ordinances.	Planned Activities – To update BMPs as necessary. Progress on Goal(s) – BMP review ongoing as part of the Community Block Grant for revisions to the Zoning and Development ordinances.
5.5	BMP Description Incorporate BMPs into regulations Measurable Goal(s) Develop ordinance for post-construction stormwater management Responsible Dept./Person Name Planning Director	Planned Activities – Continue enforcement. Progress on Goal(s) – Post-construction stormwater management incorporated into Site Plan Regulations.	Planned Activities – Continue enforcement. Progress on Goal(s) – Post-construction stormwater management incorporated into Site Plan Regulations.	Planned Activities – Continue enforcement. Progress on Goal(s) – Post-construction stormwater management incorporated into Site Plan Regulations.	Planned Activities – Continue enforcement. Progress on Goal(s) – Post-construction stormwater management incorporated into Site Plan Regulations.

6. Pollution Prevention and Good Housekeeping in Municipal Operations

BMP ID #	BMP Description	Additional Year 4 2011	Additional Year 5 2012	Additional Year 6 2013	Additional Year 7 2014
6.1	BMP Description Complete Spill Prevention Control & Countermeasure Plan (SPCCP) Measurable Goal(s) Complete SPCCP Responsible Dept./Person Name Highway Department & Transfer Station		Planned Activities – Review SPCCP every 5 years as stated in plan, and update SPCCP as necessary. Progress on Goal(s) – Review and update on-going.	Planned Activities – Continued review of SPCCP and update SPCCP as necessary. Progress on Goal(s) – Review and update on-going.	Planned Activities – Continued review of SPCCP and update SPCCP as necessary. Progress on Goal(s) – Review and update on-going.
6.2	Removed				
6.3	BMP Description Train employees on SPCCP Measurable Goal(s) Throughout permit term Responsible Dept./Person Name Town Administrator & Highway Department		Planned Activities – Ongoing training. Progress on Goal(s) – Training is ongoing annually.	Planned Activities – Ongoing training. Progress on Goal(s) – Training is ongoing annually.	Planned Activities – Ongoing training. Progress on Goal(s) – Training is ongoing annually.
6.4	BMP Description Review existing P2 and Good Housekeeping policies and practices Measurable Goal(s) Continue annual review and training for Town personnel throughout permit term Responsible Dept./Person Name Highway Department		Planned Activities – Continued review. Progress on Goal(s) – Continued review.	Planned Activities – Continued review. Progress on Goal(s) – Continued review.	Planned Activities – Continued review. Progress on Goal(s) – Continued review.

BMP ID #	BMP Description	Additional Year 4 2011	Additional Year 5 2012	Additional Year 6 2013	Additional Year 7 2014
6.5	BMP Description Revise and implement P2 and Good Housekeeping policies and practices Measurable Goal(s) Revisions to continue Responsible Dept./Person Name Highway Department	Planned Activities – Continue revisions of BMPs. Progress on Goal(s) – No BMPs have been revised.	Planned Activities – Continue revisions of BMPs. Progress on Goal(s) – No BMPs have been revised.	Planned Activities – Continue revisions of BMPs. Progress on Goal(s) – No BMPs have been revised.	Planned Activities – Continue revisions of BMPs. Progress on Goal(s) – Sand and sediment collected during street sweeping and drainage structure cleaning is now transferred to the ESMI facility in Loudon, NH.
6.6	BMP Description Street sweeping Measurable Goal(s) Sweep all streets annually; document volume collected Responsible Dept./Person Name Highway Department	Planned Activities – Continue program. Progress on Goal(s) – The town has swept approximately 30 miles of roads and all town municipal facilities parking lots. Approximately 60 tons of sand was picked up. The sand is being stockpiled at the transfer station for screening and reuse.	Planned Activities – Continue program. Progress on Goal(s) – The town has swept approximately 31 miles of roads and all town municipal facilities parking lots. Approximately 75 tons of sand was picked up. The sand is being stockpiled at the transfer station for screening and reuse.	Planned Activities – Continue program. Progress on Goal(s) – The town has swept approximately 31 miles of roads and all town municipal facilities parking lots. Approximately 530 yds ³ of sand was picked up. The sand is being stockpiled at the transfer station for screening and reuse.	Planned Activities – Continue program. Progress on Goal(s) – The town has swept approximately 31 miles of roads and all town municipal facilities parking lots. Approximately 200 yds ³ of sand was picked up. The sand was transferred to the ESMI facility in Loudon, NH.
6.7	BMP Description Catch Basin Cleaning Measurable Goal(s) Clean all catch basins annually; document volume collected Responsible Dept./Person Name Highway Department	Planned Activities – Continue program. Progress on Goal(s) – The town has cleaned 1,377 structures with the sand stockpiled at the transfer station for screening and reuse	Planned Activities – Continue program. Progress on Goal(s) – The town has cleaned 1,448 structures with the sand stockpiled at the transfer station for screening and reuse	Planned Activities – Continue program. Progress on Goal(s) – The town has cleaned 1,455 structures with the sand stockpiled at the transfer station for screening and reuse	Planned Activities – Continue program. Progress on Goal(s) – The town has cleaned 1,434 structures. The sediment was transferred to the ESMI facility in Loudon, NH.

BMP ID #	BMP Description	Additional Year 4 2011	Additional Year 5 2012	Additional Year 6 2013	Additional Year 7 2014
6.8	BMP Description Implement integrated pest management (IPM) at town facilities Measurable Goal(s) Quantification of pesticides used at town facilities Responsible Dept./Person Name Parks and Recreation Advisory Board	Planned Activities – To continue a Public Health Mosquito Control Program to control mosquito breeding areas. Progress on Goal(s) – Spraying was done for Mosquitoes	Planned Activities – To continue a Public Health Mosquito Control Program to control mosquito breeding areas. Progress on Goal(s) – Spraying was done for Mosquitoes	Planned Activities – To continue a Public Health Mosquito Control Program to control mosquito breeding areas. Progress on Goal(s) – Spraying was done for Mosquitoes	Planned Activities – To continue a Public Health Mosquito Control Program to control mosquito breeding areas. Progress on Goal(s) – Spraying was done for Mosquitoes

Catch basin (CB)

7. BMPs for Meeting Total Maximum Daily Load (TMDL) Waste Load Allocations (WLA)

BMP ID #	BMP Description	Additional Year 4 2011	Additional Year 5 2012	Additional Year 6 2013	Additional Year 7 2014
7.1	BMP Description Investigate if Pelham's storm water is causing water quality violations Measurable Goal(s) Throughout permit term Responsible Dept./Person Name Planning Director	Planned Activities – Continue program. Progress on Goal(s) – No known violations noted	Planned Activities – Continue program. Progress on Goal(s) – No known violations noted	Planned Activities – Continue program. Progress on Goal(s) – No known violations noted	Planned Activities – Continue program. Progress on Goal(s) – No known violations noted

Part IV. Summary of Information Collected and Analyzed

BMP 3.2 and BMP 3.4, Mapping of outfalls and receiving waters as well as dry weather screening of outfalls were completed February 2007. The observation of stormwater culverts and outfalls is on-going as the DPW repairs and replaces stormwater infrastructure.

Part V. Program Outputs & Accomplishments (OPTIONAL)

Education, Involvement, and Training

Household Hazardous Waste Collection Days – (NRPC 2013-14)		
▪ Days sponsored	(#)	6
▪ Community participation	(# households)	17 households
School curricula implemented	(y/n)	Yes

Legal/Regulatory

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

Construction

Estimated percentage of construction starts adequately regulated for erosion and sediment control	(%)	100
Site inspections completed	(# or %)	100%
Complaints/concerns received from public	(#)	2

Operations and Maintenance

Average frequency of catch basin cleaning (non-commercial/non-arterial streets)	(times/yr)	Yearly
Average frequency of catch basin cleaning (commercial/arterial or other critical streets)	(times/yr)	Yearly
Total number of structures cleaned	(#)	1434
Storm drain cleaned	(LF or mi.)	0
Qty. of screenings/debris removed from storm sewer infrastructure	(lbs. or tons)	172.7 Tons
Disposal or use of sweepings (landfill, POTW, compost, recycle for sand, beneficial use, etc.)		ESMI facility in Loudon, NH
Average frequency of street sweeping (non-commercial/non-arterial streets)	(times/yr)	Yearly All Roads done
Average frequency of street sweeping (commercial/arterial or other critical streets)	(times/yr)	Yearly All Roads done
Qty. of sand/debris collected by sweeping	(lbs. or tons) or yards	200- yards
Disposal of sweepings (landfill, POTW, compost, beneficial use, etc.)	(location)	ESMI facility in Loudon, NH
Anti-/De-Icing products	NaCl, CaCl ₂ MgCl ₂ CMA Kac KCl Sand	1752.5 tons salt, 8.3 tons flaked calcium, 2208.2 tons sand.
Pre-wetting techniques utilized	(y/n)	N
Manual control spreaders used	(y/n)	Y
Automatic or Zero-velocity spreaders used	(y/n)	N
Estimated net reduction in typical year salt application	(lbs. or %)	0
Salt pile(s) covered in storage shed(s)	(y/n)	Y
Storage shed(s) in design or under construction	(y/n)	N

Structural Stormwater BMP Innovative Applications and Planning

1. New residential development projects are all open to and most intend to utilize the Conservation Subdivision approach which will result in shorter roads with less impervious surface and the preservation of larger, contiguous green spaces.

A previously approved conventional lot subdivision (Skyview) was converted to a Conservation Subdivision. The project, now under construction, includes contiguous conservation open area with walking trails (connected to existing conservation land), a community garden area, and reduced roadway surface area.

A Conservation Subdivision (Garland Farms) was approved and is currently under construction. This development will build approximately 60 new homes while striving to maintain an important view shed, keeping a large portion of the land in agricultural use and maintaining critical snowmobile/hiking trail connectivity. This project incorporates Low Impact design features such as Bio-Retention in the form of Rain Gardens and the capture and infiltration of roof runoff to reduce the development's contribution off surface stormwater runoff.

The 7 lot Conservation Subdivision off Jericho Road is currently under construction.

2. The Pelham dual roundabout project is now 100% complete. The project includes many new sidewalks; the sidewalks are constructed from porous concrete in order to avoid adding impervious surfaces and to keep the impacts of the roundabout construction neutral in terms of stormwater runoff. This project was completed in September 2014.
3. In early 2013 the Town contracted to conduct an in-depth flood study for the Beaver Brook watershed to determine the causes of flooding and to recommend projects and regulation changes to limit new negative impacts to flooding and to mitigate the existing impacts. The study report has been completed and indicates bridges are a contributing factor to the flooding. Subsequently, the town pursued the next phase of the flood study to create a bridge master plan that identifies specific flooding impacts to the land areas upstream and downstream of each bridge based on variable span widths, etc. This will help the Town, NHDOT and other agencies to understand what should be done to each of the bridges and in what order.

The 2nd Phase of the Flood Study was completed in late 2014. The study's 2nd phase further illustrated the need to re-design and rebuild three key bridges that are in close proximity to one another: Willow (2020), Old Bridge Street - additional structure close to existing Abbott Bridge (2022) and the Main Street Bridge (2023). The Pelham BOS and the voters supported the appropriation of funds needed for design and construction (town's match) for all three structures. The projects are slated for the years indicated above beginning downstream at Willow and moving upstream to Main.