Part II. Self-Assessment

II, (a) 2004 - The Town of Amherst has had a slow start addressing the requirements of Storm Water II. The first initial year was spent attending meetings and trying to get a handle understanding the complete process. We are committed to these requirements and regulations and I was delighted to find during the review phase by our consulting engineers that information posted in the Public Works section of the town webpage unintentionally included educational information addressing Stormwater II. We have a long ways to go and we will stay the course. Limited volunteerism, and resources may require us to rethink our strategies, but the timetable submitted in our permit package is doable. We anticipate a local cable channel to be up and running by summer of 2004. This will become a valuable resource for spreading the word.

2005- Very active Stormwater II committee meets monthly. Our chairperson has posted many Stormwater II links to the town web page.

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2006– Committee chairperson has authored a number of articles for our local newspaper covering such topics as the sins of vehicle washing, over fertilizing of lawns, etc.

2007 - After meetings with Town Attorney, and soliciting public input, Amherst's Stormwater Regulation was adopted by the Board of Selectmen, the Board of Health and the Planning Board.

II, (b) Best Management Practices are under review by our Planning Board. More time is required to determine appropriate necessary actions and areas of responsibility by various departments.

2004 - In house improvements on town winter maintenance equipment such as groundspeed controls, liquid calcium systems (that lower the melting temperature of salt and using less product), ground and air temperature sensing equipment mounted on vehicles, all for more appropriate winter maintenance with a goal towards less pollution by winter maintenance products.

2005 - We continue to educate our Planning board on the necessity to formulate rules and regulations. Public Works is in its second year using magnesium chloride/leftover mash of alcohol distilleries. The voters authorized purchase of a second liquid deicing system for the 05-06 budget cycle.

2006 – In conjunction with school and civic groups the town has assisted in roadside cleanups. Voters approved a salt/sand storage facility whose layout will further minimize residue runoff. We continue our annual street sweeping and catch basin cleaning. DPW inspects erosion control systems for new public and private road construction. The Town of Amherst employs two licensed pesticide supervisors in different departments overseeing fertilizer and pesticide controls for the town and three school districts. We are assisted with soil analysis at the University of New Hampshire. Amherst voters supported Phase II of the Baboosic Lake Septic program adding as many as twenty additional users to the eleven already on the system. Interns completed mapping outfalls and receiving waters. Follow-up will take place this year along with dry weather screening.

2007 – Public Works is in it's forth year of using magnesium chloride/leftover mash of alcohol distilleries to aid in snow and ice control, and the area of use has been widened. The Department converted one truck last year to bring the total number up to seven trucks with onboard liquid calcium chloride (which improves/minimizes salt usage below 20 degrees) systems and five spreader trucks with groundspeed controls. Two replacement trucks approved by the voters this year will include groundspeed and calcium systems bringing the total to nine. Almost every winter maintenance vehicle is now equipped with ground/air temperature sensing equipment, resulting in a noticeable reduction of salt on Town roads. Additional monies are in the operating budget to sweep roads expanding our pickup sweeping thus reducing wasted sand pollution into fish spawning areas. During the previous late summer, interns developed, designed, and installed markers at three quarters of our catchbasins.

II, (c) Achieving our first year goals, became more challenging while trying to understand the process. This will impact our five year plan and necessitate a tighter timeframe. The Planning Board, Master Plan revision is underway with a goal of adopting it after hearings in 2007. The town is going through a reevaluation of the Zoning and Planning Department with a goal of increase time towards Code Enforcement with sites on site plan compliance and review and support Stormwater Phase II.

2005 – The process of developing and implementing rules and regulations covering pre and post construction activities are going a little slower then originally anticipated. The Stormwater II Committee has made this their number one priority for the upcoming year.

2006 – Stormwater II ordinance is going through legal review. During review, new construction plans are looked at for the following information, Stormwater Management Plan, Site Specific Plan, Stormwater Pollution Prevention Plan, and Notice of Intent filing. They are returned if the information is not included. Once the site plan is adopted by the Planning Board (with plan notations) enforcement becomes easier.

2007 – Stormwater regulation was adopted by the Amherst Board of Selectmen, Board of Health, and Planning Board.

II, (d) We continue to collect data on our catch basins during annual cleaning. Illicit connections will be sought and properly documented during the on paper documentation of the position of culverts and catch basins.

2005 - Plans are to hire a summer intern dedicated to documentation of culverts, catch basins, and outfalls.

2006 – As discussed in II-b above, two summer interns mapped culvert locations and flow directions. This year we will follow up with dry weather screening, illicit discharges etc.

2007 – Data collected last year was recorded and put in report form. Ten suspected dry weather screening and illicit discharges were tested and were ruled out and recorded as non-threatening.

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 1 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 2	Planned Activities – Progress on Goals Permit Year 3	Progress report on goals and activities for permit year 4	Progress report on goals and activities for permit year 5
1.1	Education signage at voting	Public Works	4'X4" information poster display for town voting.		Broader base of assistance	Two years of posting similar information yielded minimal interest. The committee plans to readjust our approach by utilizing other group settings	Voter information was restricted by town Moderator information continues to flow at information booths set up at other town events. A report was filed in Town Report	Information was disseminated in conjunction with the Conservation Commission at their information table at the Town Fourth of July Celebration.
Revised	Education booth at 4th of July festivities	Stormwater II committee	Brochures					
1.2	Information posting on town web page	Public Works Director	Develop and update progress on town managed road construction projects	Actual posting of information on the town webpage completed by outside source.	Update with new and additional information. Investigate and implement, dedicated page on town website to stormwater	Continued research by our Stormwater Committee Chairperson to our web designer has generated quite a few links	Stormwater Committee Chairperson supplies our webmaster with information on a regular basis. Pet waste and water pollution Amherst DPW tries new snow and ice removal technology, explaining deicing spray program	New Stormwater information on the Town website is added as often as possible.
Revised	Update as time allows	2005-Stormwater II Committee	Electronic exposure through education					
1.3	General Education Brochure	Public Works & Education Committee	Develop and distribute to residents in 04-05	This is in progress now, the committee is working through a lot of information, and brochures will be developed and disbursed.	Handout brochures initially	Some brochures built out of reprints from news articles written about drinking water and Stormwater runoff related issues, earth day, voting, events on the town common	Education brochures continue to be available for distribution at several town locations	Educational brochures continue to be available at several town locations including the Department of Public Works and Town Hall.
Revised								
1.4	Disburse Information to local contractors	Public Works Director and Land Use Manager	Educate private contractors in the importance of compliance	Verbal education at this point with compliance built into site plan review and follow-up with on site inspections.	Development and printing of formal education brochure designed for contractors with issuance at initial inquiry meeting.	Still working on development of brochure for contractors	Information is distributed during site plan review	Plans are to produce educational information about the Stormwater Regulation for dispersal as soon as possible.
Revised								
1.5	Coordinate information and program distribution within school network	Public Works Director, Conservation Commission	Develop curriculum to educate students. Fall / winter 04-05	Integrate into program currently presented to grammar school students on solid waste.	Begin to develop curriculum to be used to educate students.	Excellent volunteer program in place centered around earth day. First grade- awareness of reusable resources, 2nd Grade- the rotten truth about landfills, 3rd Grade, renewable and non-renewable resources.	Yearly, Peabody Mill Environmental Center works on this with younger children	Pollution information continues to be part of the curriculum; expansion through the Nashua Regional Planning Commission is being explored.
Revised								

1a. Additions

1.6	Transfer Station waste stream management	Public Works Director and Solid Waste Committee	Improve facility and educate taxpayers			Household Hazardous Waste information is posted on the town web page and the Solid Waste Committee is working towards streamlining the facility	Facility renovations have been turned down by the voters for the second year in a row (lost by 7 votes) recycling continues at current levels. Plans are already underway by Solid Waste Task Force for next year.	The Amherst Solid Waste committee has increased its educational efforts, and recycling has increased. Renovations were approved by the voters this year, funds will be available in July and ground may break as early as October 2007. This is expected to further increase recycling.
1.7	Series of articles written for Amherst Citizen. After being published the articles are posted on the town website	Committee Chair	Educate residents		**April 13, 2004** Earth Day Articles **June 8th** Lawn Pesticides and Water Pollution **July 27th** Buying an Using Pesticides, Read the Fine Print Sept 14 Reduce Lawn Fertilizer Use	January 11th Safe Winter Driving on Limited Salt Use Roads Jan 14th Brush Up on your Winter Driving Skills. Feb 8th Article on commercial car wash verses washing in the yard.	Amherst General Quarterly 12/05 ➢ EPA Stormwater Requirements for Amherst a basic overview ➢ What's our trash problem ➢ Earth machines compost bins available Recycling articles ➢ The Importance of Recycling ➢ Recycling Trends ➢ Amherst Trash, Resource, Recovering & Recycling Amherst Citizen ➢ Pet waste and water pollution ➢ Safe winter driving on Limited salt use roads. ➢ Every day is earth day in Amherst – litter pickup	Amherst General Quarterly March 2007 ➢ Passage and Implementation of the Stormwater Regulation ➢ Services offered by the Transfer Station, Benefits of Improving the Transfer Station ➢ There are articles in each Quarterly about Stormwater, Recycling and other environmental issues 2006 Town Report ➢ Summary of the Yearly Activities for the Stormwater II Committee and the Recycling and Solid Waste Task Force Amherst Citizen 11 April 2007 ➢ Household Hazardous Waste Collection Season Kicks Off

2. Public Involvement and Participation

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 1 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 2	Planned Activities – Progress on Goals Permit Year 3	Progress report on goals and activities for permit year 4	Progress report on goals and activities for permit year 5
2.1 Revised 10/04	Stormwater Advisory Committee	Public Works Director and Road commissioners Representation from private sector and several town boards	Review and recommend improvements to SWMP	We are reviewing the initial report and are working on recommended improvements.	Submit recommended improvements to Conservation Commission and Planning Board for comments and feedback. Review, revise, and implement	Stormwater committee meets monthly, has started identifying areas of responsibility, will oversee activities of summer intern.	Committee worked with CLD Engineering to develop a Stormwater ordinance. It is going through legal review and we anticipate implementation later this year	After the Committee met and reviewed the Regulation, the Committee finalized our Stormwater Regulation and presented it for adoption by the appropriate Boards.
2.2 Revised	Removal of potential septic hazards from Baboosic Lake	Town Administrator and Health Department	Move failed septic systems from selected summer homes to community septic system Bid out in 04 implement by 05	Approval by town after public hearings, approval of additional outside funding, in the process of the bidding stage, anticipate implementation this year.	Measure improvements to water quality, and seek expansion of program.	With the cooperation of New Hampshire Department Environmental Services the main leaching fields are in place. Force mains for 12 individual homes will be completed by fall of 2005. State DES approval for 12 additional homes in the next phase. Construction anticipated next year.	Town vote approved funds for Phase II which is already under design. We anticipate construction to start in the Fall	Phase II is out to bid, and the Town vote approved Phase III.
2.3 Revised	Catch Basin Stenciling	Public Works	Stencil priority by August of 04	The town maintains fewer than 350 catch basins. During our annual cleaning in July, DPW staff will mark as each is cleaned	Monitor and re-stencil with public service announcement in local paper	Markings are done annually in the spring/early summer during catch basin cleaning	Spring markings will continue during catch basin cleaning	Stormwater interns designed and installed vinyl markers @ 70% of our catch basins

2.4 Revised	HHW Collection Events	Public Works Director and Nashua Regional Planning Commission	Better participation	Currently, there are five sponsored regional collection events. The Amherst Solid Waste Committee is reviewing this program and investigating a local collection event.	Continue to track participation of the regional event and work towards a more local collection.	Amherst continues to be involved in regional collection. The approved designated collection site is in Nashua. A local regional site failed as state funding was cut. We will continue to pursue funding.	Amherst has continued its commitment to regional collections in Nashua. State funding cuts continue to plague any chance of local collections.	Amherst has continued its commitment to regional collections and supported an increase in local funding to assist in creating a more localized collection site in Milford. The Town also has an active Recycling and Solid Waste Task Force volunteer committee.
2.5 Revised	Education Committee	Public Works Director and Solid Waste task force committee This process now includes the Stormwater II Committee	Booth at major events on the town common Information posted at SP-2 voting in March 04	An information booth manned by volunteers during events such as Forth of July	Consider comments received at public events and expand available information.	Education is on-going in the elementary schools, the Transfer Station, and on the web. Preparations for an information booth at 4th of July activities. As the town moves towards a community access channel which should be up and running by this fall, we will include information there also	Community access channel has become an active education tool exposing Amherst residents to Best Management Practices. A new information board located at the Amherst Transfer Station and booths staffed by volunteers at annual events help spread the word. Stormwater II Committee members attend Nashua Regional Planning Commission Stormwater II coalition meetings.	Education is on going with news articles, the community access channel, and booths staffed by volunteers. The Nashua Regional Planning Commission Stormwater Coalition is investigating regionalizing a school curriculum

2a. Additions

2.6	Roadside Cleanup in conjunction with Earth Day	Beth Woodbury Environmental Teacher at Souhegan High School and Public Works	Remove trash and floatables from shoulders of town roads			This is cooperative effort to remove trash from the roadside using students and public works employees. This may become semi-annual.	This spring we will work with the Junior Women's Club who intends to solicit assistance from other volunteer organizations	Public Works continues to work with volunteer groups supporting roadside cleanup efforts. We continue to recruit new volunteers.

3. Illicit Discharge Detection and Elimination

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 1 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 2	Planned Activities – Progress on Goals Permit Year 3	Progress report on goals and activities for permit year 4	Progress report on goals and activities for permit year 5
3.1 Revised	Identify and map outfalls and receiving waters	Public Works & Pennichuck Water Works	Map all outfalls using a footage measuring devise and transpose onto map. Review information supplied by Pennichuck Actual stenciling has not started yet, we plan it to start in summer 04	All culverts and catch basins were marked with reflectors and delineator posts during fall 03. Additional DPW summer staff will start recording footage and relevant information and transpose it into data base and onto town tax map.	Continue measuring and mapping program	In cooperation with University of New Hampshire one or two interns with computer and mapping skills should be on board by end of May.	Two interns located outfalls and flow direction within the Stormwater area. Coordinates were marked by GPS and imposed on a map.	Culverts, catch basins, and outfalls will continue to be monitored, reviewed, and verified.
3.2 Revised	Dry weather screening of outfalls for illicit connections	Public Works	Screen all outfalls by Fall of 06	Continue field screening of outfalls concurrent with footage mapping by summer staff	Continue field screening of outfalls with measuring and mapping investigate any inappropriate findings for follow-up.	Continue screening, outfall and illicit connection training is scheduled for all Public Works employees this spring.	Interns will perform dry weather screening this summer	Nothing was found, additional screening will be done this summer as needed.
3.3	Illicit connection information	Planning Board	Bring information to the attention of Planning Board	Partner with the Amherst Planning Board with documented illicit connection discharges to formulate ordinance	Follow through with necessary ordinance to 05 town meeting approval.	Stormwater committee is still working on ordinance information for presentation to Planning Board	Some connections were identified during outfall mapping, follow-up with inspections will continue this summer	Water was tested in ten locations for Total Coliform and E. coli, all came back negative. Additional testing will be done 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 1 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 2	Planned Activities – Progress on Goals Permit Year 3	Progress report on goals and activities for permit year 4	Progress report on goals and activities for permit year 5
4.1	Construction Storm Water Pollution Prevention Plan	Planning Board & Public Works Director	Complete review of existing construction site runoff control	Public Works has set the example by implementing a Stormwater runoff control program for its own work.	Review existing rules and regulations, make necessary adjustments to existing documents for establishing water quality benchmarks, site inspection procedures, etc	Public Works offers input to Planning Administrator after reviewing construction plans on the need for Storm water pollution prevention plans.	DPW Director meets regularly with the Director of Planning and Zoning to review plans and advises contractors if project disturbance necessitates a SWPPP	With the adoption of Amherst's Regulations, implementation by Town officials under the Board of Selectmen, Board of Health, and Planning Board can begin.
Revised		Amherst Planning Assistant						
4.2	Site plan review	Public Works Director, Planning Board, & Land use Manager	Take the process now in place (site plan review meeting) and put actions on paper	Create an interim policy from the site plan regulations that exist today.	Continue with interim policy and update as necessary	Department Heads meet monthly with Zoning Administrator to review site plans to be included in Planning Board hearings.	DPW Director meets regularly with the Director of Planning and Zoning to review construction plans prior to Planning Board approval.	Department heads continue to review plan proposals prior to formal presentation at Planning and Zoning hearings. Additional site reviews will take place as needed after the Regulation is implemented.
Revised								

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 1 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 2	Planned Activities – Progress on Goals Permit Year 3	Progress report on goals and activities for permit year 4	Progress report on goals and activities for permit year 5
5.1	Stormwater rules and regulations for sites over 43,560 square feet	Public Works, Engineering, Planning Board	Complete review of existing MS4 maintenance procedures. Complete formal procedures manual for conducting MS4 maintenance, include record keeping forms, best management practices, etc.	Start the review process with recommendations from public works and planning. Begin drafting rules and regulations to regulate post construction Stormwater management and illicit discharges.	Draft new rules and regulations for review and initiate the process for implementation.	This is a priority of the Stormwater Committee. A meeting is scheduled between Stormwater Committee and Board of Selectmen with Planning Board Representation, and Town Counsel.	Stormwater regulations are being reviewed by Town Counsel.	The Stormwater Regulation has been adopted by the Board of Selectmen, Board of Health and Planning Board.
Revised			We have started slowly, this looks more like an 04-05 goal				As of this writing, town inspectors are only inspecting construction sites destined to be town roads.	This year, Town officials will be working on construction site inspection SOP's
	Incorporate Best Management Practices into Town regulation Plan	Public Works Director, Planning Board, Town Counsel & Board of Selectmen	Complete update of Town's regulations to include Best Management Practices.	Review existing Master Plan and draft recommended changes	Bring before the authority having jurisdiction for approval and implementation.	The Amherst Stormwater Committee is working on rules to be included in the town regulations. Looking at adopting NHDES best management guidance documents	Town of Amherst earmarked by town vote to fund money towards redoing the master plan. Public Works Director is drafting new road construction standards covering General construction standards, New road construction, Storm Drainage, Water distribution, & Sanitary sewers	Master Plan revision is underway. The Stormwater Regulation includes some BMP's; more will be included in the forthcoming update of the Road Specifications.
Revised								

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 1 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 2	Planned Activities – Progress on Goals Permit Year 3	Progress report on goals and activities for permit year 4	Progress report on goals and activities for permit year 5
6.1 Revised	Document and Enhance Employee Training Procedures	Public Works Director	Complete review of existing programs and update of formal employee training manual	All employees are actively involved in UNH T-2 and Public Works Academy training. Department SOP's partially completed, plan to have first draft available for review by June 2004. SWMP in draft stage, train staff on content by July 04	Continue existing training programs and integrate new training and techniques to include SWMP and pollution prevention practices.	The Town of Amherst Department of Public Works hired CLD Engineering of Manchester, NH to put on a training class for highway employees.	Along with group training of Stormwater awareness, each employee at the Public Works Academy is exposed to basic Wastewater collection and treatment, Basic water transmission and treatment, Basic Roads and drainage, Solid and Hazardous waste. Planning and Zoning Technical Assistant was trained/certified as a Treatment Facility Operator, Grade 1-OIT. Stormwater Committee members attended 1st annual Regional Stormwater meeting	All Public Works employees are regularly trained through the UNH Technology Transfer Center. One public works employee (for a total of two Town employees) was trained/certified as a Treatment Facility Operator, Grade 1-OIT.
6.2 Revised	Evaluate the use of Pesticides, sand, and salt	Director of Public Works	Complete review of existing procedures. Write formal procedures manual for handling and using pesticides, sand, and salt	One employee is certified as pesticide supervisor. Within the last three years, we have integrated new technology to minimize the impact of salt and sand on roads.	Complete the learning process of calibrating winter salt and sand equipment. Purchase of two replacement vehicles with ground speed controls.	Municipal parks and grounds, including cemeteries are tested to minimize spreading unnecessary amounts of fertilizers and pesticides. At March voting, taxpayers authorized purchase of second environmentally friendly liquid deicer.	Our state certified pesticide supervisor manages our program within state guidelines. The town continues to support the majority of our equipment upgrades and improvements.	Winter deicing equipment is calibrated each fall to minimize product usage. The Town continues to employ a State Certified Pesticide Supervisor.
6.3 Revised	Catch basin cleaning	Director of Public Works	Clean every catch basin at least once a year	This practice started three summers ago, each and every catch basin is cleaned yearly or more frequently if needed.	Continue with this program	Each catch basin is cleaned once per year. Catch basins are monitored and additional cleaning happens when and if warranted.	Each catch basin is cleaned yearly. New catch basins are constructed and engineered not to allow stagnant water to pool	All municipal catch basins are cleaned a minimum of one time per year, usually in July. Additional cleanings are performed as needed.
6.4 Revised Revised	Street sweeping	Director of Public Works	Sweep winter debris from the streets	Existing policies account for approximately one quarter of the streets picked up each spring and the rest swept to the road edge and cleaned during a ten year ditching plan	Work towards budgeting additional monies to power pick-up sweep all town roads.	Street sweeping with pickup vacuum is an annual spring event. The budget process has expanded to approximately one third of town. Each year additional monies are added to increase the equipment rental.	Streets are swept yearly both with vacuum and sweep to the side systems. Future budget plans continue for total vacuuming.	Streets are swept each spring. 30% with a hired vacuum sweeper (funding increased by one third in '08) and the balance (70%) with Town owned (sweep to the side of the road) equipment. This includes school parking lots and other school facilities.

Part IV. Summary of Information Collected and Analyzed

Part V. Program Outputs & Accomplishments (OPTIONAL)

Programmatic

	Progress on Goal(s) – Permit Year 1 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 2	Planned Activities – Progress on Goals Permit Year 3	Progress report on goals and activities for permit year 4	
Stormwater Management Position Created/staffed				Handled by others	Part time
Annual program budget/ Expenditures	$20,000	$20,000 $6,000	$24,000 $17,000	$20,000 $19,000	$10,000 $16,000

Education, Involvement, and Training

Estimated number of residents reached by education program(s)	15 %			15% but distributed town wide	40% through community access channel, web site, and other publications
Stormwater management committee established	Yes	Yes	Yes	Yes	Yes
Stream teams established or supported	No		supported	Interns	Interns
Shoreline clean-up participation or quantity of shoreline miles cleaned	No)				Yes-participation
Household Hazardous Waste Collection Days					
▪ days sponsored	5 Regional	Regional	5	5 Regional	6 Regional
▪ community participation	05%	05%	05%	0.02%	0.03%
▪ material collected					3,713 lbs
School curricula implemented	Grammar School	Grammar School	Grammar School	Grammar School	Grammar School

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

	Progress on Goal(s) Permit Year 1	Progress on Goals Permit Year 2	Progress on Goals Permit Year 3	Progress on Goals for Permit Year 4	Progress report on goals and activities for permit year 5
Outfall mapping complete			Partial 8/05		Yes
Estimated or actual number of outfalls					51
System-Wide mapping complete			Partial 8/05		Yes
Mapping method(s)					
▪ Paper/Mylar			Paper		Paper
▪ CADD					
▪ GIS			yes		
Outfalls inspected/screened			3		10
Illicit discharges identified					None
Illicit connections removed					None
% of population on sewer		0%	0.0023	0.0025	0.0025
% of population on septic systems	(100%)	100%	99.9977%	99.9975	99.9975%

Construction

	2003	2004	2005	2006	May 06-May 07
Number of construction starts (>1-acre)			Two	Three	4
Estimated percentage of construction starts adequately regulated for erosion and sediment control			Two	Three	100%
Site inspections completed			Two	-	4
Tickets/Stop work orders issued			0	-	0
Fines collected			0	-	0
Complaints/concerns received from public			0	1	0

Post-Development Stormwater Management

Estimated percentage of development/redevelopment projects adequately regulated for post-construction stormwater control			50%	75%	75%
Site inspections completed			50%	75% Presently regulated through State site specific as required by NHDES. Town authority limited until regulation in place	Municipal regulation passed within the last two months, regular inspections have already started.
Estimated volume of stormwater recharged					

Operations and Maintenance

	2003	2004	2005	2006	2007
Average frequency of catch basin cleaning (non-commercial/non-arterial streets)	1time/yr	1time/yr	1time/yr	1 time /yr	1 time / yr
Average frequency of catch basin cleaning (commercial/arterial or other critical streets)	1time/yr	1time/yr	1time/yr	1 time/ yr	1 time / year
Total number of structures cleaned	340	345	355	360	360

Storm drain cleaned	500 LF.			200 LF	
Qty. of screenings/debris removed from storm sewer infrastructure	200 yards est.	220 yards est.	240 yards est.	210 yards estimated	200 yards estimated
Disposal or use of sweepings (landfill, POTW, compost, recycle for sand, beneficial use, etc.)		recycle	recycle	recycle	Recycle
Cost of screenings disposal					

	2003	2004	2005	2006	2007
Average frequency of street sweeping (non-commercial/non-arterial streets)	1time/yr	1time/yr	1time/yr	1 time/yr	1 time / year
Average frequency of street sweeping (commercial/arterial or other critical streets)	1time/yr	1time/yr	1time/yr	1 time/yr	1 time per year
Qty. of sand/debris collected by sweeping	lbs. or tons			1,000 yds	Less than 1,000 yards
Disposal of sweepings (landfill, POTW, compost, beneficial use, etc.)	location		Beneficial usage	Beneficial usage	Beneficial usage
Cost of sweepings disposal			$8,000	$8,200	$13,000
Vacuum street sweepers purchased/leased				Not going to be done will continue to hire out	Capital Improvement plan does not support purchase
Vacuum street sweepers specified in contracts		Outside hire	Outside hire	Outside hire	Outside hire

Reduction in application on public land of: ("N/A" = never used; "100%" = elimination)					
▪ Fertilizers			Tested for proper usage	Tested for proper usage	Soil tested annually
▪ Herbicides			Tested for proper usage	Tested for proper usage	Tested for proper usage
▪ Pesticides			Tested for proper usage	Tested for proper usage	Tested for proper usage

Anti-/De-Icing products and ratios All paved roads are treated with a 50/50 mix. Half of our equipment has ground speed controls, and pre-wetting tanks and one small truck is equipped with straight liquid deicing (50% magnesium chloride, 50% distillers brew) Ice-be-gone. All dirt roads are treated with one hundred percent ledge sand.	50 % NaCl 10 % $CaCl_2$ 03 % $MgCl_2$ % CMA % Kac % KCl 50 % Sand	50 % NaCl 10 % $CaCl_2$ 03 % $MgCl_2$ % CMA % Kac % KCl 50 % San	50 % NaCl 10 % $CaCl_2$ 03 % $MgCl_2$ % CMA % Kac % KCl 50 % San	50% NaCl 10% $CaCl_2$ 03% $MgCl_2$ 0.0% CMA 0.0% Kac 0.0% KCl 50% Sand
Pre-wetting techniques utilized	(yes)	Yes	Yes	Yes
Manual control spreaders used	(yes)	Yes	Yes	Yes-20% of equipment

	2004	2005	2006	2007
Automatic or Zero-velocity spreaders used	yes	Yes	Yes	Yes-80% of equipment
Estimated net reduction in typical year salt application	Unknown at this time	We are able to keep status quo in spite of increased traffic loads	We are able to keep status quo in spite of increased traffic loads	Status quo
Salt pile covered in storage shed	yes	yes	yes	Yes
Storage shed(s) in design or under construction	n/a		New additional storage under design	Additional storage funded, but not yet constructed.

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Municipality/Organization: **Town of Amherst, NH**

EPA NPDES Permit Number: **NHR41001**

MaDEP Transmittal Number:

Annual Report Number & Reporting Period: **No. 5: March 03-May 07**

NPDES PII Small MS4 General Permit Annual Report

Part I. General Information

Contact Person: Bruce W. Berry Title: Director of Public Works

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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: Gary MacGuire

Title: Town Administrator

Date: 4-25-07