Municipality/Organization: **Londonderry, NH**

EPA NPDES Permit Number: NHR041016

MaDEP Transmittal Number: **W-**

Annual Report Number & Reporting Period: **No. 3: March 05-March 06**

MAY - 2 2006

NPDES PII Small MS4 General Permit Annual Report

Part I. General Information

Contact Person: John R. Trottier, PE

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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: David R. Caron

Title: Town Manager

Date: 4/28/06

Part II. Self-Assessment

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

Part 1C The Town has not yet developed and run two Cable TV advertisements. The Department of Public Works & Engineering has taken part in Leadership Londonderry, attended Town meeting, and hosted girl and boy scouts to present information regarding Town's requirements of NPDES Phase II MS4 General Permit. Feed back obtained to date indicates presentations one-on-one allows residents to obtain immediate information and question program. The DPW has also prepared various articles, related to NPDES Phase II MS4 General Permit, that have been included in the Town's recycling newsletter and local newspaper. The Department of Public Works & Engineering will continue above activities and consider developing and run Cable TV advertisements as part of our future planned activities.

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 3 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 4
1A	Prepare annual stormwater report	DPW/ J. Czyzowski/ J. Trottier	Maintain and update for continuity of report. Keep copies and distribute annually.	Report completed and filed for years 1, 2 and 3.	Prepare year 4 stormwater report.
Revised					
1B	Obtain and run informational videos on local cable TV	DPW/Local Cable Access TV	Monitor feedback for effectiveness and incorporate in report	A video has been obtained and has run on Cable Access TV. Video ran 2 times / month Feb to June '05. No feedback received to date.	Video to be run 2 times / month May to June '06 and 2 times / month September to October '06. Monitor feedback, obtain additional information videos.
Revised					
1C	Develop and run two cable TV advertisements per year	DPW/ J. Czyzowski/ J. Trottier	Monitor feedback for effectiveness and incorporate in report	Not complete.	
Revised				The Department of Public Works & Engineering has taken part in Leadership Londonderry and hosted various organizations (girl and boy scouts) to present information regarding Town's requirements of NPDES Phase II MS4 General Permit. Feed back obtained to date indicates presentations one-on-one allows residents to obtain immediate information and question program. The DPW has also prepared various articles, related to NPDES Phase II MS4 General Permit, that have been included in the Town's recycling newsletter and local newspaper.	The Department of Public Works & Engineering will continue revised activities and consider developing and run Cable TV advertisements as part of our future planned activities.

1D	Obtain brochures and posters and make available at Town Hall, Library and Schools, and Old Home Days.	DPW/J. Trottier	Monitor feedback for effectiveness and incorporate in report	Brochures and posters have been made available at Town Hall. Posters have been placed at Library and Schools. No feedback received to date.	Continue monitoring feedback, obtain additional brochures and posters.
Revised					

1a. Additions

2. Public Involvement and Participation

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 3 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 4
2A	Establish and publish a stormwater hotline number	DPW/ J. Czyzowski/ J. Trottier	Report on program	Stormwater hotline established December '04. Hotline checked during course of the workday M-F.	Continue stormwater hotline and encourage residents to use for reporting or inquiring about additional information.
Revised					
2B	Identify volunteer resources and establish an Advisory Committee	DPW/ J. Czyzowski/ J. Trottier	Report on volunteer resources.	DPW has identified Town's Solid Waste Advisory Committee as volunteer resource.	Continue working with Solid Waste Advisory Committee on existing programs and possibly developing others (Paint Collection & Recycling, Integrated Pest Management).
Revised					
2C	Partner with NHDOT	DPW/ J. Czyzowski/ J. Trottier	Meet twice per year	Met four (4) times in Year 3.	Continue meeting on regular schedule.
Revised					

2D	Partner with City of Manchester/Manchester Airport	DPW/ J. Czyzowski/ J. Trottier	Meet twice per year	Met four (4) times in Year 3.	Continue meeting on regular schedule.
Revised				Other community partners include Derry, Goffstown, Bedford and Auburn.	

2a. Additions

3. Illicit Discharge Detection and Elimination

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 3 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 4
3A	Map existing watersheds, drain systems, and outfalls	DPW/ J. Czyzowski/ J. Trottier	Create map	Mapping of MS4 system completed.	Complete checking, produce final base map of area outside MS4 area.
Revised				Consultant under contract to map remaining systems and outfalls outside the MS4 area.	
3B	Identify dry weather flows	DPW/ J. Czyzowski/ J. Trottier	Log on map	Initial review of Town's drainage system has not identified any unusual dry weather flows. Review entailed visual inspections and review of MS4 mapping.	Continue visual inspections to identify dry weather flows.
Revised					
3C	Develop and implement a program to address illicit discharges: locate problem areas; identify source; remove/correct illicit discharges	DPW/ J. Czyzowski/ J. Trottier	Maintain log and report on progress	Not part of planned activities in Year 3.	

Revised					
3D	Develop ordinances to address illicit discharges	DPW/ J. Czyzowski/ J. Trottier	Implement ordinances	Examples of Illicit Discharge Ordinances have been obtained and currently under review by staff.	Work with Town staff, Attorney and consultant to create ordinance to address illicit discharges.
Revised					
3E	Develop annual surface water testing program	DPW/ J. Czyzowski/ J. Trottier	Maintain database and report on results	Not part of planned activities in Year 3.	
Revised					

3a. Additions

4. Construction Site Stormwater Runoff Control

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 3 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 4
4A	Establish regulations and ordinances to require erosion control	DPW/ J. Czyzowski/ J. Trottier	Regulations already implemented with February 20, 2002 Subdivision Regulations and August 14, 2002 Site Plan Regulations	Continue to enforce regulations for all projects coming before the Planning Board.	Continue in Year 4.
Revised					

4B	Establish regulations and ordinances for inspection guidelines and procedures for construction sites	DPW/ J. Czyzowski/ J. Trottier	Regulations already implemented/ inspection program ongoing	Continue to enforce regulations and require inspections for all projects coming before the Planning Board.	Continue in Year 4.
Revised					
4C	Modifications to regulations for EPA-NPDES Phase II	DPW/ J. Czyzowski/ J. Trottier	Implement updated regulations	Regulations have not been formally modified, Planning Board review requires note on plan which requires filing of NPDES Phase II permit by contractor for each project submitted for approval by Town's Planning Board, NPDES Phase II requirement is discussed at pre-construction meetings, and Town also conducts follow-up observations during construction.	Continue in Year 4. Continue in Year 4.
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 3 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 4

5A Revised	Establish regulations and ordinances to address storm water runoff	DPW/ J. Czyzowski/ J. Trottier	Regulations already implemented with February 20, 2003 Subdivision Regulations and August 14, 2002 Site Plan Regulations	Continue to enforce regulations for all projects coming before the Planning Board.	Continue in Year 4.
5B Revised	Establish regulations and ordinances for inspection guidelines and procedures for stormwater	DPW/ J. Czyzowski/ J. Trottier	Regulations already implemented, inspection program ongoing	Continue to enforce regulations and require inspections for all projects coming before the Planning Board.	Continue in Year 4.
5C Revised	Develop modifications to regulations for EPA-NPDES Phase II including ordinance for long-term maintenance	DPW/ J. Czyzowski/ J. Trottier	Implement updated regulations	Examples of long-term maintenance Ordinances have been obtained and currently under review by staff. DPW has attended (4/18/05) University of New Hampshire (UNH) Stormwater Center Research workshop. Research and testing is being performed on various stormwater treatment processes as well as for technology demonstrations. Testing results and technology demonstrations are meant to assist in the planning, design, and implementation of stormwater management strategies.	Work with Town staff, Attorney and consultant to create ordinance to address long-term maintenance. Continue attending UNH Stormwater Center Research workshops.

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 3 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 4
6A	Roadside swale cleaning program	DPW/ J. Czyzowski/ J. Trottier	Report on length of swale cleaned yearly	Swales cleaned on an as-needed basis. Approximately 4,640 lf of roadside swales cleaned in Year 3.	Continue in Year 4.
Revised					
6B	Catchbasin cleaning program	DPW/ J. Czyzowski/ J. Trottier	Report on number of basins cleaned yearly	Basins cleaned on an as-needed basis.	Continue in Year 4.
Revised					
6C	Roadway street cleaning program	DPW/ J. Czyzowski/ J. Trottier	Report on miles of roadway swept each year	Roadway street cleaning is performed on an as-needed basis.	Continue in Year 4. Hire outside street sweeping contractor.
Revised					
6D	Household hazardous waste collection day	DPW/ J. Czyzowski/ J. Trottier	Report on type and number of wastes collected each year	Typical wastes collected in 2005 included batteries, paints and varnishes, pesticides and aerosols.	Continue in Year 4.
Revised					
6E	Continuous oil collection at Central Fire Station	DPW/ J. Czyzowski/ J. Trottier	Report on gallons of oil collected each year	Total oil collected in 2005 equal to 1,839 gallons.	Continue in Year 4.
Revised					
6F	Develop a litter management plan and education program (informational fact sheet)	DPW/ J. Czyzowski/ J. Trottier	Distribute to each household each spring	Town wide clean up organized with cooperation of the Solid Waste Advisory Committee. Event ran for a 4-weekend span April to May '05. Numerous newspaper articles have been published in local newspapers encouraging residents to participate in "Beautify Londonderry".	Continue in year 4.
Revised					

6G	Develop and modify program for inspection of all drain systems and stormwater systems	DPW/ J. Czyzowski/ J. Trottier	Report on linear feet inspected and number of structures inspected each year and condition	Structures inspected and condition noted during yearly catch basin cleaning program.	Continue in year 4.
Revised					

6a. Additions

7. BMPs for Meeting Total Maximum Daily Load (TMDL) Waste Load Allocations (WLA) *<<if applicable>>*

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 3 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 4
Revised					
Revised					
Revised					
Revised					

Revised					
Revised					

7a. Additions

7b. WLA Assessment

Part IV. Summary of Information Collected and Analyzed

Part V. Program Outputs & Accomplishments (OPTIONAL)

Programmatic

Stormwater management position created/staffed	(y/n)	
Annual program budget/expenditures	($)	

Education, Involvement, and Training

Estimated number of residents reached by education program(s)	(# or %)	
Stormwater management committee established	(y/n)	
Stream teams established or supported	(# or y/n)	
Shoreline clean-up participation or quantity of shoreline miles cleaned	(y/n or mi.)	
Household Hazardous Waste Collection Days		

▪ days sponsored	(#)	
▪ community participation	(%)	
▪ material collected	(tons or gal)	
School curricula implemented	(y/n)	

Legal/Regulatory

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

Mapping and Illicit Discharges

Outfall mapping complete	(%)	
Estimated or actual number of outfalls	(#)	
System-Wide mapping complete	(%)	
Mapping method(s)		
▪ Paper/Mylar	(%)	
▪ CADD	(%)	

▪ GIS	(%)	
Outfalls inspected/screened	(# or %)	
Illicit discharges identified	(#)	
Illicit connections removed	(#) (est. gpd)	
% of population on sewer	(%)	
% of population on septic systems	(%)	

Construction

Number of construction starts (>1-acre)	(#)	
Estimated percentage of construction starts adequately regulated for erosion and sediment control	(%)	
Site inspections completed	(# or %)	
Tickets/Stop work orders issued	(# or %)	
Fines collected	(# and $)	
Complaints/concerns received from public	(#)	

Post-Development Stormwater Management

Estimated percentage of development/redevelopment projects adequately regulated for post-construction stormwater control	(%)	
Site inspections completed	(# or %)	
Estimated volume of stormwater recharged	(gpy)	

Operations and Maintenance

Average frequency of catch basin cleaning (non-commercial/non-arterial streets)	(times/yr)	

Average frequency of catch basin cleaning (commercial/arterial or other critical streets)	(times/yr)	
Total number of structures cleaned	(#)	
Storm drain cleaned	(LF or mi.)	
Qty. of screenings/debris removed from storm sewer infrastructure	(lbs. or tons)	
Disposal or use of sweepings (landfill, POTW, compost, recycle for sand, beneficial use, etc.)		
Cost of screenings disposal	($)	

Average frequency of street sweeping (non-commercial/non-arterial streets)	(times/yr)	
Average frequency of street sweeping (commercial/arterial or other critical streets)	(times/yr)	
Qty. of sand/debris collected by sweeping	(lbs. or tons)	
Disposal of sweepings (landfill, POTW, compost, beneficial use, etc.)	(location)	
Cost of sweepings disposal	($)	
Vacuum street sweepers purchased/leased	(#)	
Vacuum street sweepers specified in contracts	(y/n)	

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

Anti-/De-Icing products and ratios	% NaCl % $CaCl_2$ % $MgCl_2$ % CMA % Kac % KCl % Sand	

Pre-wetting techniques utilized	(y/n)	
Manual control spreaders used	(y/n)	
Automatic or Zero-velocity spreaders used	(y/n)	
Estimated net reduction in typical year salt application	(lbs. or %)	
Salt pile(s) covered in storage shed(s)	(y/n)	
Storage shed(s) in design or under construction	(y/n)	