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Municipality/Organization: Town of Lanesborough

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Annual Report Number & Reporting Period: **No. 1: March 03-March 04**

NPDES PII Small MS4 General Permit Annual Report

Part I. General Information

Contact Person: Paul Boudreau Title: Town Administrator

Telephone #: 413 442-0965 Email: paultownhall@capital.net

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: [signature]

Printed Name: Paul Boudreau

Title: Town Administrator

Date: 5/3/04

Part II. Self-Assessment

The Town of Lanesborough has successfully implemented or begun implementation of several Measurable Goals noted in its Notice of Intent. Prior to the development of its Comprehensive Stormwater Management Program, including Measurable Goals, the Town had an assessment performed of current activities, programs, and regulations that could support the NPDES Phase II Stormwater program. This assessment became the basis for modifying current activities, recommending new programs, and informing town boards and departments of their obligation toward successful implementation of Lanesborough's Comprehensive Stormwater Program.

Lanesborough is pleased to present the following summary describing its success at implementing the first year's Comprehensive Stormwater Management Program.

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
1	Create a Stormwater Program	Department of Public Works Planning Board Conservation Commission Board of Health Board of Selectmen	Lanesborough will present meeting its draft Comprehensive Stormwater Management Program to the public at a public.	The Town of Lanesborough has completed *Stormwater Management Phase II Assessment* report. Copies of the report are available for review by town departments and the public. The Board of Selectmen reviewed the Comprehensive Stormwater Management Program at the Board of Selectmen meeting on February 24, 2003.	The Town of Lanesborough will continue to publicly review implementation of the Comprehensive Stormwater Program.
2	Create a Stormwater Program	Department of Public Works	Lanesborough will identify appropriate sources of funding assistance (SRF, 319 Grant Program, 604(b) Grant Program, Lakes & Ponds Grant Program, Source Water Protection Grant Program, Recycling Grant Program) and apply for assistance in implementing portions of its Comprehensive Stormwater Management Program, including public education and outreach.	The Town of Lanesborough applied to the Berkshire Environmental Fund for a $300,000 grant for storm drain mapping, dam assessment and repairs, and Pontoosuc Lake water quality sampling. Funds from a 319 grant have been used to install 2 Stormceptor units and 2 new catchbasins on Profile Street and National Street. Several illegal connections were disconnected during construction. The erosion control plan for the Stormceptor system on Profile Street was completed.	All funds received from the Berkshire Environmental Fund will be used to enhance the Stormwater Management Program. The 319 grant funds may also be used for an erosion control system at the end of National Street. Water quality analysis was performed on the Stormceptor unit on Profile Street.

1. Public Education and Outreach (cont'd)

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
3	Address specific groups	Department of Public Works	Distribute EPA and other relevant educational brochures to targeted audiences. Distribution points include Town Hall, Library, and Transfer Station.	The Town of Lanesborough has a disk containing EPA educational materials that can be printed and distributed.	Brochures will be printed and made available at town buildings.
4	Target groups likely to impact storm water	Department of Public Works	Brochures targeting specific audiences and activities will be available. These target groups include homeowner and lawn maintenance activities, disposal of household waste, and pet maintenance.	The Town of Lanesborough has a disk containing EPA educational materials that can be printed and distributed.	Brochures will be printed and made available at town buildings.
5	Identify alternative information sources	Board of Selectmen	Lanesborough will develop a website to post public meetings on water quality issues and links to water quality education sites at DEP and EPA.	This BMP was not scheduled for Permit Year 1.	The Town of Lanesborough will begin developing a website.
6	Identify alternative information sources	Board of Selectmen	The Friends of Pontoosuc Lake and the Housatonic Valley Association will be consulted and asked to provide educational data from their studies and educational programs for distribution to the Town residents. Distribution points can include town hall, library, local convenience stores, etc.	The newsletter, *Pontoosuc Lake News*, is published and distributed to Town residents. The newsletter includes BMPs, water quality information, and project descriptions occurring at the lake.	The newsletter will continue to be distributed. The Town of Lanesborough will work with the Friends of Pontoosuc Lake and the Housatonic Valley Association to distribute educational data from their studies and educational programs for distribution to Town residents.

1. Public Education and Outreach (cont'd)

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
7	Promote Household Waste Recycling	Department of Public Works Board of Health	The Town of Lanesborough, the Board of Health, and the Northern Berkshire Solid Waste Management District will promote recycling and hazardous waste collection opportunities through brochures and mailings.	A brochure titled "Waste Disposal Fact Sheet" is available from the Town Hall and includes information regarding landfill banned items, recyclables taken at the Springfield MRF, backyard composting, and items accepted at the Lanesborough transfer station.	The "First Annual Spring Clean-Up Bulky Waste Collection" is planned for May 15 and May 22. Lanesborough advertised the event in fliers and the newspaper. The Town of Lanesborough expects to continue the Bulky Waste Collection program.
8	Develop, conduct and document educational programs	Board of Selectmen Liaison	The Town of Lanesborough will appoint a liaison to the Hoosic River Watershed Association to disseminate information to the Town on programs and activities.	The liaison to the Hoosic River Watershed Association meets regularly with the Lanesborough Town Administrator to discuss information relative to programs and activities.	The liaison will continue to update the Town on watershed activities.
9	Promote Household Waste Recycling	Department of Public Works Board of Health	The Town of Lanesborough, the Board of Health, and the Northern Berkshire Solid Waste Management District will promote recycling and hazardous waste collection opportunities through brochures and mailings.	The District held two Hazardous Waste Collection days in Permit Year 1. Events were promoted through local newspapers and brochures. A brochure titled "Waste Disposal Fact Sheet" is available from the Town Hall and includes information regarding landfill banned items, recyclables taken at the Springfield MRF, backyard composting, and items accepted at the Lanesborough transfer station.	The "First Annual Spring Clean-Up Bulky Waste Collection" is planned for May 15 and May 22. The Town of Lanesborough expects to continue the Hazardous Waste Collection days.

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
10	Storm drain stenciling	Department of Public Works	Lanesborough will work with the Housatonic Valley Association in continuing its support of storm drain stenciling.	This BMP was not scheduled for Permit Year 1.	The Town of Lanesborough is planning a storm drain stenciling program for Permit Year 2.
11	Community clean-ups	Department of Public Works Lanesborough Conservation Commission	Town of Lanesborough will encourage local stream team cleanups through Friends of Pontoosuc Lake. Town will provide notice of event. Town will provide trucks and other material to support cleanup efforts and disposal of materials.	The Town of Lanesborough provided trash pick-up service for local lake clean up efforts.	Town will continue to encourage and support local stream clean up.
12	Organize Water Quality Monitoring	Board of Selectmen	Town will work with the Friends of Pontoosuc Lake in the collection and dissemination of data from the association's monitoring and sampling program. Data will be made available to the public through newsletters and brochure distribution.	The newsletter, *Pontoosuc Lake News*, is published and distributed to Friends of Pontoosuc Lake members. The newsletter includes BMPs, water quality information, and description of projects at the lake. Water quality sampling was performed at the Profile Street Stormceptor and at Pontoosuc Lake. Water quality results were recorded in the newsletter, *Pontoosuc Lake News*.	The Town of Lanesborough expects to continue to encourage sampling of the Stormceptor units and Pontoosuc Lake following storm events. The Town of Lanesborough will work with the Friends of Pontoosuc Lake and the Housatonic Valley Association to distribute educational data from their studies and educational programs for distribution to Town residents.

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
13	Inventory and mapping of storm drain system	Department of Public Works	Lanesborough will identify appropriate sources of funding assistance (SRF, 319 Grant Program, 604(b) Grant Program, Lakes & Ponds Grant Program, Source Water Protection Grant Program, Recycling Grant Program) and apply for assistance in implementing portions of its Comprehensive Stormwater Management Program, including public education and outreach.	The Town of Lanesborough applied to the Berkshire Environmental Fund for a $300,000 grant for storm drain mapping, dam assessment and repairs, and Pontoosuc Lake water quality sampling. Funds from a 319 grant have been used to install 2 Stormceptor units and 2 new catchbasins on Profile Street and National Street. Several illegal connections were disconnected during construction.	All funds received from the Berkshire Environmental Fund will be used to enhance the Stormwater Management Program. The rest of the 319 grant funds may be used to correct a runoff and erosion problem from East Street. Water quality analysis was performed on the Stormceptor unit on Profile Street.
14	Mapping and identification of outfalls and receiving waters	Department of Public Works Board of Assessors	Lanesborough will develop and implement a plan to map all outfalls and receiving bodies of water, contingent upon Town Meeting approval of funding.	The Town of Lanesborough has inventoried 95% of all catchbasins and outfalls to support the GASB requirements.	The Town of Lanesborough will prepare a paper map showing the system configuration. The Town will ask Williams College to digitize the map. The Town will digitally photograph stormwater structures.

3. Illicit Discharge Detection and Elimination (cont'd)

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
15	Identification/description of problem areas	Department of Public Works	Lanesborough will develop and implement an Illicit Discharge Detection and Elimination (IDDE) plan, contingent upon Town Meeting approval of funding.		Lanesborough will begin dry weather inspections during Permit Year 2. Lanesborough will refer to New England Interstate Water Pollution Control's *Illicit Discharge Detection and Elimination Manual.*
16	Enforcement procedures addressing illicit discharges	Planning Board Town Counsel Board of Health	Lanesborough will review whether local authority is appropriate and able to respond to potential illicit discharges. New by-laws, if necessary, will be proposed to Town Meeting.	This BMP was not scheduled in Permit Year 1.	This BMP was not scheduled in Permit Year 2.
17	Public information program regarding hazardous wastes and dumping	Department of Public Works Board of Health	Lanesborough will provide educational brochures to residents promoting proper disposal of household hazardous wastes and conditions for regional collections.	The District held two Hazardous Waste Collection days in Permit Year 1. Events were promoted through local newspapers and brochures. A brochure titled "Waste Disposal Fact Sheet" is available from the Town Hall and includes information regarding landfill banned items, recyclables taken at the Springfield MRF, backyard composting, and items accepted at the Lanesborough transfer station.	The "First Annual Spring Clean-Up Bulky Waste Collection" is planned for May 15 and May 22. The Town of Lanesborough expects to continue the Hazardous Waste Collection days.

3. Illicit Discharge Detection and Elimination (cont'd)

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
18	Initiation of recycling programs	Planning Board Board of Health	Lanesborough will apply for funding assistance from DEP's Recycling Grant Program for assistance in public education and the purchase of recycling materials.		The Town of Lanesborough will apply for funding assistance from DEP's Recycling Grant Program in Permit Year 2.
19	Watershed assessments and studies	Department of Public Works Conservation Commission Board of Health	Lanesborough will identify opportunities for funding assistance from DEP's 604(b) and 319 grant programs and the Department of Environmental Management's Lakes and Ponds Grant Program to support watershed assessment and implementation activities. Tasks can include design and installation of stormwater BMPs and public outreach including storm drain stenciling. Emphasis will be on assessments and remediation of stormwater related problems impacting water quality.	The Town of Lanesborough applied to the Berkshire Environmental Fund for a $300,000 grant for storm sewer mapping, dam assessment and repairs, and Pontoosuc Lake water quality sampling. Funds from a 319 grant have been used to install 2 Stormceptor units and 2 new catchbasins on Profile Street and National Street. Several illegal connections were disconnected during construction.	Lanesborough will continue to look for an appropriate funding vehicle.

3. Illicit Discharge Detection and Elimination (cont'd)

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
20	Watershed assessments and studies	Department of Public Works	The Town of Lanesborough will apply for funding assistance from DEP's Source Water Protection Program for grant assistance to develop wellhead protection plans and stormwater management plans within Zones II in Lanesborough.	The Water Protection Program was unavailable during Permit Year 1.	The Town of Lanesborough will ascertain the availability of funds from the Water Protection Program in Permit Year 2.

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
21	Bylaw: Storm water management regulations for construction sites 1 acre or larger	Planning Board Conservation Commission Town Counsel Board of Health Zoning Board of Appeals	Lanesborough will review model by-law developed by DEP in consultation with the Attorney General's Office.	This BMP was not scheduled for Permit Year 1.	The Town of Lanesborough will review the construction regulations in the fall.

Draft October 27, 2003 Pontoosuc Lake Storm Drain Monitoring Results

SITE	Fecal Coliform in colonies per 100 ml**	E-Coli in colonies per 100 ml **	Total Phosphorus in mg/l *	Total Suspended Solids in mg/l***
Profile Stormceptor #1	650	510	0.382	87
Profile Stormceptor #2	440	360	0.389	86
Profile Stormceptor #3	540	480	0.339	57
Profile Outflow #1	1,810	1,300	0.392	61
Profile Outflow #2	1,600	1,300	0.371	67
Profile Outflow #3	1,720	1,550	0.378	65

* Values of "0.009" are to represent those results below the detection limit of 0.01 mg/l
** Bacteria values of "9" represent those results below the detection limit of 10 colonies. Values of ">1000" will be graphed using "1001".
*** TSS values below the detection limit of 1 NTU are graphed as "0.9"

Weather:
The rain started in the night, just after midnight. It had been dry for at least 4 days before that. We sampled in mid-afternoon, after about 1.3" of rain had fallen and water was pouring out of the infiltration tank. The storm total was around 2.1" of rain over a 24 hour period. Samples #1 and #2 were splits of the same sample. Sample #3 was taken 20 minutes after the first samples.

Flow:
Flow coming out of the infiltration tank was captured in a 5 gallon bucket and timed. Each result listed here is an average from a set of 3 readings. Two sets were taken today, 20 minutes apart. Set #1 was taken at 2:30 p.m.
Set#1 = 0.5 gal/sec = 0.067 ft3/sec = 1.89 liters/sec Set#2 = 0.23 gal/sec = 0.031 ft3/sec = 0.88 liter/sec

Water Quality Results from Bull Hill Road's Causeway, and Narragansett's Causeway, just before the water enters Pontoosuc Lake. The water that enters the lake under the Bull Hill Road Causeway comes from Town Brook. The water entering the lake from the causeway at Narragansett Ave. comes from Secum Brook. Both brooks slow down and pass through wetlands before flowing under the causeways and entering the lake. Sampling was done on October 27, 2003, during a large rainstorm. At least an inch of rain had already fallen before these samples were taken. The samples were captured using a "swing sampler", i.e. a Nalgene bottle on a telescoping pole. The bottle was triple rinsed with the sample water before the bottle was filled for a fourth time. This water was then poured into acid-washed plastic jugs and transported in a cooler with ice to Berkshire Enviro-Labs in Lee, MA for analysis.

LOCATION	TSS in mg/l	Detection Limit
Bull Hill Causeway #1	7	1
Bull Hill Causeway # 2 (a split of #1)	6	1
Narragansett Causeway	1	1