

Municipality/Organization: TOWN OF W. Newbury MA.

EPA NPDES Permit Number: MAR 041231

MaDEP Transmittal Number: W- 21004703

Annual Report Number

& Reporting Period: 1 - MAR 04 - MAR 05

7/8/05

NPDES PII Small MS4 General Permit Annual Report

Part I. General Information

Contact Person: GARY Bill Title: Highway Supt.

Telephone #: 978-363-1100 x 120 Email: G-Bill@Town.West-Newbury

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: Gary J. Bill

Printed Name: GARY J. Bill

Title: Highway Supt.

Date: 6/27/05

Part II. Self-Assessment

Our biggest goal reached this year was the completion of a storm Drain System Map.

We are working on the other issues and continue to upgrade and clean the stormwater structures.

Our monitoring of construction sites has gone well. The town works together with the Highway, Conservation, Building &

Health Depts. in a very coordinating way to stay on top of sites to ensure compliance with stormwater.

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
1A Revised	Public Education Seminars	Selection	Every Year alternating school/Town	Still need to seek approval at next town meeting fall 2005	start spring (2006)
Revised					
1B Revised	flyers + Pamphlets	Selection & Health Dept	Send out	recycling info sheet + I team dispart sheet have	been sent out since 2003 #1,530 flyers
Revised					
1C Revised	Stormwater info on the web page	Selection Technology Comm.		Get the technology comm. to help set up the pages to include stormwater issues Recycling + hazardous waste + Info sources	waiting should have something by 2006
Revised					

1a. Additions

1A	Seminars			include other town for School Seminars	negotiating with Merrimack Valley Planning with other towns.

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
2A Revised	Q + A Sessions	Selection	1 Every Year alternating school / Public	to coincide with the Seminars in 1A	Planned 2006
Revised					
2B Revised	Cleanup + Monitor	1/Every Yr. Open Space Comm	1/Every Yr.	Advertise for a day of volunteer clean up	Had Earth Day this year 2003 - Provided bag which the Highway Dept. disposed of still put out Rubbish containers in Urban locations and is picked up weekly
Revised					
Revised					
Revised					
Revised					

2a. Additions

2B	Cleanup + Monitor	W.N. Boy Scouts	1 or 2 / Yr.	the Scouts are doing this picking projects + Reviewing with Conservation	(ongoing)

3. Illicit Discharge Detection and Elimination

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) - Permit Year 22 (Reliance on non-municipal partners indicated, if any)	Planned Activities - Permit Year 23
3A Revised	Storm Drain System Map	Highway Dept	Produce maps	Complete	
Revised					
Revised					
3B Revised	Adoption of the By-Law	Selection		work on a Draft to have ready by the End of year	(still working on this prob. not until 2006)
Revised					
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 2 (Reliance on non-municipal partners indicated, if any)	Planned Activities - Permit Year 3
419 Revised	Construction By-law	Selectmen	By-law	Add Construction By-law together with 3B	(we are still working on this time frame?)
Revised					
Revised					
Revised					
Revised					
Revised					
Revised					
Revised					

4a. Additions

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

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) - Permit Year 2 (Reliance on non-municipal partners indicated, if any)	Planned Activities - Permit Year 3
5A Revised	Enforcement of By-Law	Selective	Add Enforcement Regs. to the By-Laws	Referencing the By-Law - Come up with Enforcement Regs in 2006	(Not yet 2005)
Revised					
Revised					
Revised					
Revised					
Revised					
Revised					

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 12 (Reliance on non-municipal partners indicated, if any)	Planned Activities - Permit Year 13
6A Revised	Municipal Operation & Maintenance Plan	Highway + Construction	Extend to all existing facilities	Review number of facilities in the urban areas & core up with an operation & main. Plan	we do have a plan but still commin up with #12. will be reviewed /yr.
Revised					
Revised					
6B Revised	Upgrade of inadequate Drainage Systems	Publ. Superintendent	1 street / yr.	approx. 3 streets per /yr. but 4 or 3 done	2005 - 3 streets in works Drainage swales + catchment catch basin replacement culvert replacement
Revised					
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 12 (Reliance on non-municipal partners indicated, if any)	Planned Activities - Permit Year 13
Revised					
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 %)	1,650 Households
Stormwater management committee established	(y/n)	none planned
Stream teams established or supported	(# or y/n)	currently working
Shoreline clean-up participation or quantity of shoreline miles cleaned	(y/n or mi.)	with volunteers
Household Hazardous Waste Collection Days		
▪ days sponsored	(#)	1 Per year
▪ community participation	(%)	Sept.
▪ 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	11/11				
▪ Post-Development Stormwater Management	2005				
Accompanying Regulation Status (indicate with "X")					
▪ Illicit Discharge Detection & Elimination					
▪ Erosion & Sediment Control					
▪ Post-Development Stormwater Management					

Mapping and Illicit Discharges

Outfall mapping complete		(%) 100	Done
Estimated or actual number of outfalls	not calculated yet	(#)	
System-Wide mapping complete		(%) 100	Done
Mapping method(s)			
▪ Paper/Mylar		(%)	
▪ CADD		(%)	
▪ GIS		(%)	✓
Outfalls inspected/screened		(# or %)/100	Yes
Illicit discharges identified		(#)	None
Illicit connections removed		(#)	
		(est. gpd)	
% of population on sewer		(%) 0	None
% of population on septic systems		(%) 100	

Construction

In most cases the total lot is > 1 acre

Number of construction starts (>1-acre)	Actual Disturbance < 1 Acre	(#)	34	
Estimated percentage of construction starts adequately regulated for erosion and sediment control		(%)	100	all
Site inspections completed		(# or %)	100	All
Tickets/Stop work orders issued	we do issue stop work orders	(# or %)		No Data
Fines collected		(# and \$)	0	
Complaints/concerns received from public		(#)		a small number
				exact not
				known

Post-Development Stormwater Management

Estimated percentage of development/redevelopment projects adequately regulated for post-construction stormwater control	(%)	~ 90	
Site inspections completed	(# or %)	~ 90	
Estimated volume of stormwater recharged	(gpy)	?	

Operations and Maintenance

Average frequency of catch basin cleaning (non-commercial/non-arterial streets)	(times/yr)	1/yr.
Average frequency of catch basin cleaning (commercial/arterial or other critical streets)	(times/yr)	1/yr.
Total number of structures cleaned	(#)	417
Storm drain cleaned	(LF or mi.)	
Qty. of screenings/debris removed from storm sewer infrastructure	(lbs. or tons)	110 yd ³
Disposal or use of screenings (landfill, POTW, compost, recycle for sand, beneficial use, etc.)		Taken by
Cost of screenings disposal	(\$)	Highway Dept.
		for other uses

Average frequency of street sweeping (non-commercial/non-arterial streets)	(times/yr)	
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Average frequency of street sweeping (commercial/arterial or other critical streets)	(times/yr)	1/yr.
Qty. of sand/debris collected by sweeping	(lbs. or tons)	26 yd ³
Disposal of sweepings (landfill, POTW, compost, beneficial use, etc.)	(location)	Highway
Cost of sweepings disposal	(\$)	Hand Packed
Vacuum street sweepers purchased/leased	(#)	needed.
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 %)	Hardly any
▪ Pesticides	(lbs. or %)	N/A
		all Ball fields have
		a maintenance plan which
		includes min application of
		1 lb / 1000 sq ft

Anti-/De-Icing products and ratios	% NaCl % CaCl ₂ % MgCl ₂ % CMA % Kac % KCl % Sand	75% 25%
Pre-wetting techniques utilized	(y/n)	No
Manual control spreaders used	(y/n)	Yes
Automatic or Zero-velocity spreaders used	(y/n)	No
Estimated net reduction in typical year salt application	(lbs. or %)	None
Salt pile(s) covered in storage shed(s)	(y/n)	Yes
Storage shed(s) in design or under construction	(y/n)	N/A