

4/30/05
received

Newbury

CDM Transmittal

CDM

051



One Cambridge Place
50 Hampshire Street
Cambridge, MA 02139
Phone: 617-452-6306
Fax: 617-452-8306

To: **Organization/** U.S. Environmental Protection Agency
Address: Water Technical Unit
P.O. Box 8127
Boston, MA 02114

From: Alan D. Roscoe, P.E.
Date: April 29, 2005

Re: Phase II SWMP Annual Report #2 – Permit No. MAR041212

Job #:

Via: *Mail:* **XX** *Overnight:* *Courier:*

Enclosed please find:

For your information

XX

For your review

XX

For your signature

Approved

Approved as noted

Returned to you for correction

Message:

A copy of the Annual Report #2 is enclosed.

Signed

CDM Transmittal



One Cambridge Place
50 Hampshire Street
Cambridge, MA 02139
Phone: 617-452-6306
Fax: 617-452-8306

To:
Organization/ Department of Environmental Protection
Address: Division of Watershed Management
627 Main Street
Worcester, MA 01608

From: Alan D. Roscoe, P.E.
Date: April 29, 2005

Re: Phase II SWMP Annual Report #2 – Permit No. MAR 041212

Job #:

Via: *Mail:* **XX** *Overnight:* *Courier:*

Enclosed please find:

For your information

XX

For your review

XX

For your signature

Approved

Approved as noted

Returned to you for correction

Message:

A copy of the Annual Report #2 bearing an original signature is enclosed.

Signed

Municipality/Organization: Newbury

EPA NPDES Permit Number: MAR041212

MaDEP Transmittal Number: W-040791

**Annual Report Number
& Reporting Period:** No. 2: March 04-March 05

NPDES PII Small MS4 General Permit Annual Report

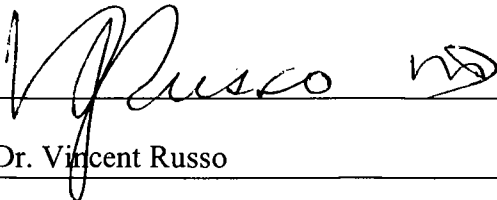
Part I. General Information

Contact Person: Mr. Timothy Leonard **Title:** Highway Department Superintendent

Telephone #: 978-265-5097 **Email:**

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: Dr. Vincent Russo

Title: Chmn. Newbury Board of Selectmen

Date: 4-26-05

Part II. Self-Assessment

The Town of Newbury has completed the required self-assessment and has determined that our municipality is in compliance with all permit conditions.

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 2 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 3
1-1	Article/brochure about stormwater to be included in the tax bill once annually	Stormwater Advisory Committee	Newsletter/Brochure distributed to all households in Newbury.	Brochure from EPA website sent in '04 and will be sent in the property tax bill in July '05.	Continue throughout permit term.
1-2	Educate dog owners about picking up dog waste	Town Clerk	Distribute Fact Sheet to Dog Owners.	Fact Sheet distributed to all dog owners with license renewals.	Continue throughout permit term.
Revised				Fact Sheet not distributed this year.	Formation of Stormwater Advisory Committee will improve coordination between Town Departments and raising awareness of Stormwater issues.
1-3	Stormwater education program for school children	Stormwater Advisory Committee	Inquire about presentation to Middle or Elementary school children.	Inquiry made to retired science teacher who wishes to volunteer for stormwater education program.	Implement education program.
Revised				Inquiry will be made to elementary schools regarding stormwater education program.	Implement stormwater education program if favorable response received and continue for each of the remaining permit years.
1-4	Maintain pet waste clean-up signs at schools, parks, and beaches	Highway Department	Signs posted.	Signs are posted.	Monitor throughout permit term.
1-5	Annual update of SWMP at a televised Selectmen's meeting	Highway Dept. and/or ConComm	Update Board of Selectmen on SWMP status.	The Board of Selectmen will be updated on progress and will receive a copy of this annual report.	Continue throughout permit term.

1a. Additions

2. Public Involvement and Participation

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
2-1	Form Stormwater Advisory Committee	Highway Dept., ConComm, Planning, Health	Form Committee within 12 months of submission of NOI. Meet twice annually thereafter during permit term.	Advisory Committee will be formed prior to the end of July '04. Membership is likely to include the Conservation Commission Chairman, Highway Department Superintendent, and one other member.	Measure completed.
Revised				Advisory Committee will be formed prior to the end of July '05.	Form Committee during first part of third permit year.
2-2	Comply with state public notification guidelines at MGL Ch. 39 s. 23B.	Town Clerk	Notices posted in library and current locations.	Once formed, meetings and notices will comply with the Open Meeting Law.	Continue throughout permit term.
2-3	Stencil catch basins with "don't dump" message	Highway Department	Identify and prioritize catch basins to be stenciled with "Don't Dump" message.	The catch basins within the regulated area have been identified and prioritized for stenciling (about 27 catch basins within regulated area).	Measure Completed.
Revised					Measure Completed, perform maintenance as necessary throughout permit term.
Revised					
Revised					
Revised					

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 2 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 3
3-1	Conduct dry weather outfall screening	Highway Department	Locate Outfalls within regulated area during first year of permit term. Percent of Outfalls screened.	Outfalls within regulated area are located.	Perform dry weather screening at priority Outfalls during Permit Term.
3-2	Map stormwater outfalls	Highway Department	Locate outfalls on a map within regulated area.	Outfalls within regulated area are mapped.	Measure completed.
Revised		Conservation Commission			
3-3	Assess need for stormwater GIS layer	Highway Department	Decision on whether to go forward with a stormwater GIS within first two years of the permit.	Due to small size of regulated area within Newbury, the likely Advisory Committee members do not see urgent need for stormwater GIS at this time.	Measure completed.
3-4	Develop and implement plan to identify and remove non-stormwater discharges	Highway Department	Number of illicit connections found and removed.	No progress to report at this time, but applicant is on schedule to complete in next annual report.	Stormwater Advisory Committee to address and provide plan by end of second permit year as per schedule.
Revised		Board of Health			Stormwater Advisory Committee to address and provide plan by end of third permit year as per revised schedule.
3-5	Develop a bylaw to require inspection of construction for correct connection to a municipal sewer	Building Inspection Dept.	Draft By-Law for properties connected to a municipal sewer system by end of first permit year.	Due to small number of sewer connections within regulated area of Newbury, this BMP has not received priority.	This measure will be addressed upon formation of the Stormwater Advisory Committee.
Revised			Draft By-Law by end of third permit year.		

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
4-1	Construction site Erosion Sediment Control Bylaw for construction sites greater than 1 acre in area	Conservation Commission	Draft By-law by end of first permit year.	Stormwater management activities are presently conducted by Conservation Commission and Highway Dept. Formal creation of the Stormwater Advisory Committee is necessary prior to promulgating regulations. Committee will be in place prior to July '04.	Draft By-Law to meet revised schedule.
Revised			Draft By-law by end of third permit year.		Committee will be in place prior to May '06.
4-2	Require a waste management plan at construction sites larger than one acre.	Conservation Commission	Draft By-law by end of first permit year and present to Town Meeting in second permit year.	Stormwater management activities are presently conducted by the Conservation Commission and Highway Dept. Formal creation of the Stormwater Advisory Committee is needed prior to promulgating regulations. Committee will be in place prior to July '04.	Draft By-Law for submittal to Town Meeting.
Revised			Draft By-law by end of third permit year.		By-Law will be in place prior to May '06.
4-3	Review site plans for stormwater impacts	Conservation Commission	Policies for Site Plan Review developed. Commence Site Plan reviews by end of second permit year.	The Conservation Commission and Planning Board perform independent Site Plan reviews for stormwater impacts.	Creation of the Stormwater Advisory Committee will standardize review procedures and will cover development within the regulated area of Newbury.
Revised			Commence Site Plan reviews by end of third permit year.		Form Stormwater Advisory Committee.
4-4	Consider public input	Conservation Commission	Number of Public Hearings held	On schedule.	Public input will be considered during Stormwater Advisory Committee meetings.

Revised				Schedule will follow formation of Stormwater Advisory Committee.	
4-5	Inspect erosion and sediment controls	Building Inspection Dept.	Develop procedure by end of first permit year, including inspection checklist. Commence reviews by end of second permit year.	Conservation Commission currently performs inspections of erosion controls for projects adjacent to wetlands.	Inspections will commence after formation of Committee and By-Law to include projects within the regulated area.
Revised			Develop procedures and commence reviews by end of third permit year.		

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
5-1	Develop a draft bylaw to apply Standards 2, 3, 4, 7, and 9 of the Massachusetts Stormwater Policy to the entire Town. Present to Town Meeting	Conservation Commission and/or Stormwater Advisory Committee	Develop By-Law by end of first permit year, and present to Town Meeting by end of second year.	Stormwater Standards are presently administered by the Conservation Commission for projects under the jurisdiction of the Wetlands Protection Act.	Form Stormwater Advisory Committee, Develop by-Law and present for Town Meeting.
Revised			Draft By-law by end of third permit year.		
5-2	Specify a stormwater BMP manual to be used for consistent design and performance standards	Conservation Commission and/or Stormwater Advisory Committee	BMP manual selected by end of first permit year.	Intended members of the Committee have indicated that adoption of Mass. Stormwater Guidelines as standard manual is likely.	Form Stormwater Advisory Committee and develop By-Law.

Revised			Select BMP manual by end of third permit year.		
5-3	Develop draft bylaw that ensures long-term maintenance of private structural BMPs. Present to Town Meeting	Conservation Commission and/or Stormwater Advisory Committee	Compliance with regulations, present to Town Meeting by end of second permit year.	Planning Board has regulations in place.	Stormwater Advisory Committee will adopt maintenance provision as part of By-Law. On schedule to complete by end of second permit year.
Revised			Present to Town Meeting by end of third permit year.		Complete by end of third permit year.

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 2 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 3
6-1	Identify sensitive receptors within the Town	Highway Department	List of sensitive receptors developed, staff notified by the end of the first permit year.	Completed in July '04.	Measure completed.
6-2	Street sweeping	Highway Department	Percent of Streets swept annually.	Scheduled for May '05.	Continue throughout permit term.
6-3	Sidewalk sweeping	Highway Department	Percent of Sidewalks swept annually.	Scheduled for May '05.	Continue throughout permit term.
6-4	Roadway deicing	Highway Department	Amount of deicing compounds used.	Quantity of deicing compounds documented.	Continue throughout permit term.
6-5	Minimize impacts from vehicle washing	Highway Department	Establish if further vehicle washing controls are needed, and if so, evaluate and select the appropriate controls (i.e. containment area).	Environmentally conscious procedures followed.	Continue use of biodegradable soaps and determine need for further controls by end of permit term.
6-6	Minimize impacts from vehicle maintenance	Highway Department	Amount of hazardous materials used.	Employee training, signage, materials inventory, and procedures followed.	Continue throughout permit term.

6-7	Maintain the storm drain system	Highway Department	Number of catch basins cleaned annually	On schedule to be completed by July '05.	Continue throughout permit term.
6-8	Minimize pesticide and fertilizer use for parks and other landscaped areas	Highway Department	Training conducted; amount of herbicides/fertilizers used.	Green landscaping procedures followed.	Continue throughout permit term.
Revised				Licensed subcontractors used at ballfields.	
6-9	Control of illegal dumping	Highway Department	Number of signs posted; number of sites cleaned up.	Access to a dumping site (Forest Street) was closed off.	Continue monitoring, cleaning-up dump sites and posting signs throughout permit term.
Revised				Barriers and signage have effectively reduced dumping.	

6a. Additions

7. BMPs for Meeting Total Maximum Daily Load (TMDL) Waste Load Allocations (WLA) <<if applicable>> Not Applicable .

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
Revised					
Revised					
Revised					
Revised					
Revised					
Revised					
Revised					

7a. Additions

7b. WLA Assessment

Part IV. Summary of Information Collected and Analyzed

None during this period

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			X	
▪ Erosion & Sediment Control				
▪ Post-Development Stormwater Management				
Accompanying Regulation Status (indicate with "X")				
▪ Illicit Discharge Detection & Elimination			X	
▪ Erosion & Sediment Control				
▪ Post-Development Stormwater Management				

Mapping and Illicit Discharges

Outfall mapping complete	(%)	100
Estimated or actual number of outfalls	(#)	27
System-Wide mapping complete	(%)	
Mapping method(s)		
▪ Paper/Mylar	(%)	100
▪ CADD	(%)	
▪ GIS	(%)	
Outfalls inspected/screened	(# or %)	
Illicit discharges identified	(#)	
Illicit connections removed	(#) (est. gpd)	
% of population on sewer	(%)	5
% of population on septic systems	(%)	95

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)	At least once
Average frequency of catch basin cleaning (commercial/arterial or other critical streets)	(times/yr)	At least once
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)	At least once
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Average frequency of street sweeping (commercial/arterial or other critical streets)	(times/yr)	At least once
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)	y
Storage shed(s) in design or under construction	(y/n)	



Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Watershed Management

BRP WM 08A NPDES Stormwater General Permit Notice of Intent
for Discharges from Small Municipal Separate Storm Sewer Systems (MS4s)

F. Newbury Storm Water Management Program TIME FRAMES

Transmittal Number **W040791**

Facility ID (if known)

Page **1** of **1**

BMP ID #	PERMIT YEAR ONE				PERMIT YEAR TWO				PERMIT YEAR THREE				PERMIT YEAR FOUR				PERMIT YEAR FIVE			
	Summer 03	Fall 03	Winter 03-04	Spring 04	Summer 04	Fall 04	Winter 04-05	Spring 05	Summer 05	Fall 05	Winter 05-06	Spring 06	Summer 06	Fall 06	Winter 06-07	Spring 07	Summer 07	Fall 07	Winter 07-08	Spring 08
1-1				X				X				X				X				
1-2				X				X				X				X				
1-3								Inquire about presentation			X If approved, commence				X				X	
1-4	Signs Posted				Inspect & Maintain throughout permit term															
1-5		X				X				X				X				X		
2-1								X		X		X		X		X		X		
2-2																				
2-3	Identify High Priority Basins							Completed	Maintain Stenciled Basins throughout permit term											
3-1	Identify				Completed		Screen Annually		X				X				X			
3-2					Completed															
3-3							Completed													
3-4									Develop Plan by end of third permit year				Implement throughout remainder of permit term							
3-5									Draft By-Law by end of third permit year				Completed							
4-1									Draft By-Law by end of third permit year				Done if passed by Town Meeting							
4-2									Draft By-Law by end of third permit year				Done if passed by Town Meeting							
4-3	Completed																			
4-4																				
4-5									Develop procedure by end of third permit year				Done if passed by Town Meeting							
5-1									Draft By-Law by end of third permit year				Done if passed by Town Meeting							
5-2									Draft By-Law by end of third permit year				Done if passed by Town Meeting							
5-3									Draft By-Law by end of third permit year				Done if passed by Town Meeting							
6-1					Completed															
6-2																				
6-3																				
6-4																				
6-5																				
6-6																				
6-7																				
6-8																				
6-9					X				X				X				X			