

Municipality/Organization: Town of Avon

EPA NPDES Permit Number: _____

MaDEP Transmittal Number: W- _____

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

APR 29 2004

MUNICIPAL ASSISTANCE UNIT

NPDES PII Small MS4 General Permit Annual Report

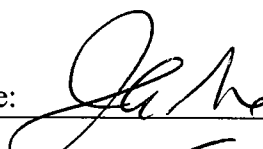
Part I. General Information

Contact Person: JOHN GROULX **Title:** EXECUTIVE SECRETARY

Telephone #: 508-588-0414 **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: JOHN A. GROULX

Title: EXECUTIVE SECRETARY

Date: APRIL 27, 2004

Part II. Self-Assessment

WPA's PII Agreement signed in October 2003. Though we maintain an aggressive yearly maintenance schedule cleaning basins, reconstructing ~~basins~~ Basins (12 reconstructed last year) and street sweeping are primary goals in FY 04-05 ~~we~~ must be an analysis of the change at our highway garage which is directly adjacent to our Portia well and pump station, an aggressive enforcement program illicit discharges into our storm drainage system and educating the public in stormwater management. As a small town, with limited resources, we must continuously promote our goals to meet our obligation but work within our limited resources.

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
Revised	Stakeholder Input M.A.C.R.	Executive Secretary	N/A	Have not begun Project	
Revised	School Stakeholder Science Project	Avond School Department	N/A	Have not begun Project	
Revised	Stakeholder on Local Cable Access Channel	Executive Secretary	N/A	Will schedule in near future	
Revised	Youth stream cleanup	Executive Secretary	N/A	Will schedule in near future	
Revised					
Revised					
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 1 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 2
	STORMWATER MANAGEMENT TASK FORCE	Executive Secretary	N/A	will work with Board of Health	
Revised					
	Policy for STORMWATER Related Activities/Measurements	Executive Secretary		NO ACTIVITIES PROPOSED AT Annual Town meetings, 4, 2004	
Revised					
	SUBSTANCE COURT/ JUVENILE ASSOCIATION/ Executive Secretary	Bus. Association/ Executive Secretary	N/A	will work w/ School Committee	
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 1 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 2
Revised	Top Streetwater Sewer Inspection	Operations Manager		Have sewerwork maps need to assess onto GIS, currently exploring vendors	
Revised	Education Flier Good Housekeeping Practice of Health	Board of Health	AS/A	Not undertaken as yet	
Revised	Illicit Discharge Detection	Operations Manager		OPERATES through Town Hall	
Revised	Illicit Discharge Bylaw	Planning Board			
Revised					
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 1 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 2
Revised	Construction Site Erosion Control	Planning Dept.		Not undertaken as yet	Furnish & By-law Committee
Revised	Site Plan Review	Planning Dept.		Not undertaken as yet	" "
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 1 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 2
	Stormwater Management System	Planning BD		Not undertaken	Formation of by-law committee planned
Revised					
	SPE Plan Review Amendment	Planning BD		Not undertaken	" "
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 1 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 2
	Annual Street Sweeping	Highway Dept	Completed Apr. 1 2004	Completed Apr. 1 2004	Will perform in Apr. 1 2005
Revised	Annual Extra Bin Clean-out	Highway Dept	Heavy cleaning to be completed	Will complete fall 2004	Will perform in Apr. 1 2005
Revised	Env. Assessment of Highway Garage	Deaneus Menniger	N/A	Selling Environmental Engineer to conduct study of Garage Drainage	hire Engineer to begin study
Revised	Highway/inter Dept Good Housekeeping Educator	Operations Menniger	N/A		Need to insulate ? training plan
Revised	Env. Assessment of Maintenance facilities	Operations Menniger	conducting Condition Analysis of Tank Bldgs	feasibility study of Tank Bldgs. undertaken include condition analysis + Sept Review	Condition analysis to be complete June 2004
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 1 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 2
	Trout Brook		Have not covered water quality	Active w/ Breckton on area below Trout Brook well #1 in maintaining water quality	Engage Trout Brook to ensure the gravel pit erosion in area flows to Trout Brook
Revised					
Revised					
Revised					
Revised					
Revised					
Revised					

7a. Additions

7b. WLA Assessment

Grease pits in Trout Brook have not been addressed,

Town aggressively pursuing clean-up of down forest property in Breckton which shows waste oil & gasoline plumes migrating toward Trout Brook. Since capped old landfill @ Hercules Dispose location adjacent to down forest. Monitoring wells in place. Must pursue local clean-up efforts in area to limit

Part IV. Summary of Information Collected and Analyzed

Highway Department Records, Site Plan Documents for Backlot Development, meetings, discussions re
 water quality, sewage/catch basin conditions.

Part V. Program Outputs & Accomplishments (OPTIONAL)

Programmatic

Stormwater management position created/staffed	(y/n)	NO
Annual program budget/expenditures	(\$)	0

Education, Involvement, and Training

Estimated number of residents reached by education program(s)	(# or %)	
Stormwater management committee established	(y/n)	NO
Stream teams established or supported	(# or y/n)	NO
Shoreline clean-up participation or quantity of shoreline miles cleaned	(y/n or mi.)	N/A
Household Hazardous Waste Collection Days	HELD in conjunction with Town of Randolph, MA	
days sponsored	(#)	1
community participation	(%)	
material collected	(tons or gal)	
School curricula implemented	(y/n)	NO

Legal/Regulatory

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

Mapping and Illicit Discharges

Outfall mapping complete	(%)	10%
Estimated or actual number of outfalls	(#)	
System-Wide mapping complete	(%)	25%
Mapping method(s)		
▪ Paper/Mylar	(%)	75%
▪ CADD	(%)	
▪ GIS	(%)	
Outfalls inspected /screened + <i>cleaned</i>	(# or %)	22
Illicit discharges identified	(#)	22
Illicit connections removed	(#)	0
	(est. gpd)	
% of population on sewer	(%)	1%
% of population on septic systems	(%)	99%

Construction

Number of construction starts (>1-acre)	(#)	0
Estimated percentage of construction starts adequately regulated for erosion and sediment control	(%)	100
Site inspections completed	(# or %)	
Tickets/Stop work orders issued	(# or %)	0
Fines collected	(# and \$)	0
Complaints/concerns received from public	(#)	0

Post-Development Stormwater Management

Estimated percentage of development/redevelopment projects adequately regulated for post-construction stormwater control	(%)	100
Site inspections completed	(# or %)	100
Estimated volume of stormwater recharged	(gpy)	unknown

Operations and Maintenance

Average frequency of catch basin cleaning (non-commercial/non-arterial streets)	(times/yr)	Yearly
Average frequency of catch basin cleaning (commercial/arterial or other critical streets)	(times/yr)	Yearly
Total number of structures cleaned	(#)	577
Storm drain cleaned	(LF or mi.)	300' Res. H
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.)		landfill
Cost of screenings disposal — <i>(included in Basin Cleaning Contract)</i>	(\$)	

Average frequency of street sweeping (non-commercial/non-arterial streets)	(times/yr)	Yearly
Average frequency of street sweeping (commercial/arterial or other critical streets)	(times/yr)	Yearly

Qty. of sand/debris collected by sweeping	(lbs. or tons)	10-12 tons
Disposal of sweepings (landfill, POTW, compost, beneficial use, etc.)	(location)	
Cost of sweepings disposal	IN CONTRACTED PLACE WITH CONTRACTOR (\$)	\$20,000
Vacuum street sweepers purchased/leased	(#)	
Vacuum street sweepers specified in contracts	(y/n)	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 20)	
	(% CaCl ₂)	
	(% MgCl ₂)	
	(% CMA)	
	(% Kac)	
	(% KCl)	
	(% Sand 80)	
Pre-wetting techniques utilized	(y/n)	NO
Manual control spreaders used	(y/n)	NO
Automatic or Zero-velocity spreaders used	(y/n)	Yes
Estimated net reduction in typical year salt application	(lbs. or %)	5 times
Salt pile(s) covered in storage shed(s)	(y/n)	Yes
Storage shed(s) in design or under construction	(y/n)	