

Municipality/Organization: Town of Avon

1089  
04

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

WPAES PII Agreement signed in October 2003. Though we maintain an aggressive yearly maintenance schedule cleaning basins, reconstructing basins (12 reconstructed last year) and street sweeping our primary goals in FY 04-05 ~~will~~ must be an analysis of the change at our highway garage which is directly adjacent to our Potte well and pump station, an aggressive enforcement program which 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 obligations 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	Stoneware Inlet marker	Executive Secretary	N/A	Have not begun Project	
Revised	School Stonewall Science Project	Avond School Department	N/A	Have not begun Project	
Revised	Stoneware on local Cable Access Channel	Executive Secretary	N/A	Will schedule in near future	
Revised	Waste stream cleanup	Executive Secretary	N/A	Will schedule in near future	
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
Revised	Streamwater Management Task Force	Executive Secretary	N/A	will work with Board of Health	
Revised	Ability for Streamwater Related Articles/Measures	Executive Secretary		NO ARTICLES PROPOSED AT Annual Town Meeting, 4, 2004	
Revised	Substance Courts Business Association	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 Stormwater Sewer Inspection	Operations Manager		Have handwritten maps need to assess onto GIS, currently exploring vendors	
Revised	Education File Board Knowledge Base of Health	Board	AS/A	Not undertaken as yet	
Revised	Illicit Discharge Audit	Operations Manager		OPERATE THROUGH TOWN WORK	
Revised	Illicit Discharge By-law	Planning Board			
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 E.T.S.C. By-law	Planning Board		Not undertaken as yet	Furnish Terms & By-law Committee
Revised	Site Plan Review Amendment	Planning Board		Not undertaken as yet	" "
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
Revised	Stormwater Management System	Planning DD		Not undertaken	Formulation by law cannot be planned
Revised	SPE Plan Review Amendment	Planning DD		Not undertaken	" "
Revised					
Revised					
Revised					
Revised					

Sa. 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
Revised	Annual Street Sweeping	Highway Dept	Completed Apr 1 2004 Also see Streetprint	Completed Apr 1 2004	Will perform in Apr 1 2005
Revised	Annual Estia Bin Clean out	Highway Dept	Year Cleanup to be completed	Will complete fall 2004	Will perform in Apr 1 2005
Revised	Env. Assessment of Highway Garage	Public Works Mearns	N/A	Seeking Environmental Engineer to conduct study of Garage Drainage	Have Engineer to begin study
Revised	Highway/Urban Dept Good Housekeeping - Edgestown Mearns	Operations Mearns	N/A		Need to insulate ? Training Plan
Revised	Env. Assessment of Municipal Facilities	Operations Mearns	Conducting Condition Analysis by Tom Blasz	Feasibility study of Tom Blasz. Underwater include condition analysis + Sept Review	Condition analysis to be complete June 2004
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 1 (Reliance on non-municipal partners indicated, if any)	Planned Activities - Permit Year 2
Revised	Treat Bank		Have not covered water quality	Active w/ Bracketon on area below than water well #1 in maintaining water quality	Engage Towny Holbrook re gravel pit erosion in area flanking to Treat Bank
Revised					
Revised					
Revised					
Revised					
Revised					

7a. Additions


7b. WIA Assessment

General Pits in Towny Holbrook have not been addressed.

Towny Holbrook is pursuing clean-up of down forest property in Bracketon which shows waste oil & gasoline plumes migrating toward Treat Bank. Private developer has 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 Reviews for Backlot Development, meetings, discussions re water quality, Sweeping/Catch Basin Contractors.*

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, NH	
<ul style="list-style-type: none"> <li>▪ days sponsored</li> <li>▪ community participation</li> <li>▪ material collected</li> </ul>	(#) (%) (tons or gal)	1
School curricula implemented	(y/n)	NO

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	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 <u>inspected</u> /screened	(# or %)			2
Illicit discharges identified	(#)			2
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	(#)	579
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)	Contractor takes away
Cost of sweepings disposal	(\$)	Contracted Price with Contractor \$
Vacuum street sweepers purchased/leased	(#)	2
Vacuum street sweepers specified in contracts	(y/n)	N

Reduction in application on public land of: ("N/A" = never used; "100%" = elimination)		
<ul style="list-style-type: none"> <li>▪ Fertilizers</li> <li>▪ Herbicides</li> <li>▪ Pesticides</li> </ul>	<p>(lbs. or %)</p> <p>(lbs. or %)</p> <p>(lbs. or %)</p>	<p>(rarely used)</p> <p>(rarely used)</p> <p>(rarely used)</p>

Anti-/De-Icing products and ratios	<p>(% NaCl) 20</p> <p>% CaCl<sub>2</sub></p> <p>% MgCl<sub>2</sub></p> <p>% CMA</p> <p>% Kac</p> <p>% KCl</p> <p>(% Sand) 80</p>	<p>4 part sand</p> <p>1 part salt</p> <p>mix that</p>
Pre-wetting techniques utilized	(y/n)	AVD
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 %)	50%
Salt pile(s) covered in storage shed(s)	(y/n)	Yes
Storage shed(s) in design or under construction	(y/n)	