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Municipality/Organization: **Avon, MA**

EPA NPDES Permit Number: BRPWM08A

MaDEP Transmittal Number: **W-044647**

Annual Report Number & Reporting Period: **No. 3: March 2005-March 2006**

NPDES PII Small MS4 General Permit Annual Report

Part I. General Information

Contact Person: Mark C. Fisher Title: Town Administrator

Telephone #: 508-588-0414 X20 Email: mfisher@avonmass.org

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: Mark C. Fisher

Printed Name: Mark C. Fisher

Title: Town Administrator

Date: February 26, 2007

Part II. Self-Assessment

The Town of Avon has been without an Executive Secretary since November 30, 2005. The current Town Administrator was appointed on October 10, 2006. Subsequently there has been a disruption in the process of this plan. The Town Administrator has past experience with Stormwater Management Plans and understands the necessity to work with the plan and progress through the various segments and schedules associated with it.

The Town has continued with reconstruction of roadways, which include construction of new catch basins, transit piping and proper storm-water control.

The Town, through the Highway Department Budget has continued proper catch basin cleaning schedules as well as clearing and cleaning of various storm culverts, streams and drainage area. The town has appropriated considerable funds, and the town has contracted an engineering firm to analyze specific stormwater flow and drainage areas. That report is scheduled to be submitted to the town shortly.

The Town, in conjunction with MassHighway has adopted a sanding/salting plan the lessens the amount of salt concentration. Maintaining an aggressive budget for street sweeping allows the town to minimize the impact on the stormwater drainage system.

The Town remains committed to making as much progress with improving our stormwater discharge as is possible, realizing budgetary constraints.

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 3 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 4
101	Stormwater Impacts Mailer	Town Administrator	1 Town Wide Mailing	Project incomplete	Gather information to be included. Design the document. Obtain Funding
Revised					
102	School Stormwater Science Project	Town Administrator with School Supt.	1 Class Science Project	Project incomplete	Discuss with Superintendent and develop appropriate plan
Revised					
103	Stormwater on Local Cable Access Show	Town Administrator	1 show on environmental/stormwater issues	Project incomplete	Meet with producers of the "Cracker Barrel" public access show. Discuss content and format of program possibility. Gather information for program
Revised					
104	Youth Stream Cleanup	Town Administrator	Annual Stream Clean Up Day	Project incomplete	Determine liability issues. Work with Conservation Commission and Local Civic Groups to develop a plan and schedule
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 3 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 4
201	Stormwater Management Task Force	Town Administrator	Establishment of Task Force	Not in place	Need to discuss with Board of Selectmen, Highway Operations Manager, Board of Health and Conservation Commission.
Revised					
202	Publicity of Stormwater related Articles/hearings	Town Administrator	Public Announcements for all stormwater articles/hearing	No action at this time	As articles for funding and by-laws progress, hearing will be held with appropriate public notice. Information will also be distributed on the Town's new Web Site
Revised					
203	Science Contest sponsored by Business Association	Town Administrator	Stormwater Science Contest	No action at this time	Business Associations do not appear to be active. Will work with the Schools in relation to the Class Science Project and determine if private business involvement in terms of evaluation and prizes.
Revised					
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 3 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 4
301	Map Stormwater Sewer Infrastructure	Town Administrator and Highway Operations Manager	Completed GIS map	Handwritten map in place. As engineering work is being done on various sections, GIS format is being required	Need to get a determination of cost to convert existing maps to GIS format and seek funding through town meeting
Revised					
302	Education Flier on Basement Good Housekeeping Practices	Town Administrator and Board of Health	1 Town-wide Mailing	No action at this time	The Board of Health has issued flyers in relation to compost able materials, recyclables and the handling of hazardous materials. We need to talk in further detail with the Board of Health about other stormwater issues and in addition to a possible flyer, place information on the Town's new Web Site.
Revised					
303	Illicit Discharge Hotline	Town Administrator and Highway Operations Manager	Establish Hotline	Ongoing	Currently using existing phone lines to forward complaints that come into various town departments. Need to make town's residents aware of the fact that they should call into the town if they see activity in the Stormwater System that they fee is inappropriate.
Revised					
304	Illicit Discharge Bylaw	Planning Board	Bring By-Law before Town Meeting	Planning Board has enacted an in-house erosion control plan to deal with runoff at construction sites. Will continue to work on avenues in which to control runoff from existing sites.	No further action
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 3 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 4
401	Construction Site E & SC Bylaw	Planning Board	Bylaw brought before Town Meeting	The planning Board has created an Erosion Control plan based on EPA's sample plan. Need to discuss further action with the Planning Board	No further action
Revised					
402	Site Plan Review Amendment	Planning Board	Amendment Article brought before Town Meeting	The planning Board has created an Erosion Control plan based on EPA's sample plan. Need to discuss further action with the Planning Board	No Further action
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 3 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 4
501	Stormwater Management Bylaw	Planning Board	Bylaw brought before Town Meeting	Erosion Control plan created, based on the EPA's sample control plan	No further action
Revised					
502	Site Plan Review Amendment	Planning Board	Amendment Article brought before Town Meeting	Erosion Control Plan created, based on EPA's sample control plan	No further action
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 3 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 4
601	Annual Street Sweeping	Highway Department	Sweep all town streets once per year	Complete	Annual Occurrence
Revised					
602	Annual Catch Basin Clean-out	Highway Department	Clean out all catch basins once per year	Complete	Annual Occurrence
Revised					
603	Environmental Assessment of Highway Maintenance Facility	Highway Operations Manager	Completed Assessment	Funding in place	Need to draw-up specifications for RFP
Revised					
604	Highway/Water Depts. Good Housekeeping Education	Highway Operations Manager and Water Superintendent	At least 1 training for all Water/highway Dept. Staff	Ongoing	Evaluate and assure it has been completed
Revised					
605	Environmental Assessment of Municipal Facilities	Town Administrator	Completed Assessment	Ongoing	Need to determine next step
Revised					
Revised					

6a. Additions

	Wastewater Management Plan	Board of Selectmen	Plan complete	Assessment of wastewater discharges in Town by outside Engineer. Development of a long term plan to address future wastewater flows.	Plan under review by the Massachusetts Department of the Environment. Significant investment made to develop a long term plan to address present and future wastewater discharges.
	Drainage Assessment Brentwood neighborhood	Board of Selectmen	Plan ongoing, in the hands of hired engineers	Complete Assessment of Water migration and drainage issues within the Brentwood neighborhood of Avon.	Expect Completion of study

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 3 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 4
Revised					
Revised					
Revised					
Revised					
Revised					
Revised					

7a. Additions

7b. WLA Assessment

The Town's water department is currently monitoring subsurface migration of various pollutants in the area of test wells sites on the Brockton Line

Part IV. Summary of Information Collected and Analyzed

Based on discussion with various department heads and members of the Board of Selectmen and review of ongoing engineering contracts. Also there has been review of the Wastewater Management Study

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 %)	Unknown
Stormwater management committee established	(y/n)	No
Stream teams established or supported	(# or y/n)	None
Shoreline clean-up participation or quantity of shoreline miles cleaned	(y/n or mi.)	None
Household Hazardous Waste Collection Days		
▪ days sponsored	(#)	1
▪ community participation	(%)	Unknown
▪ material collected	(tons or gal)	Regional
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			X
▪ Post-Development Stormwater Management		X		
Accompanying Regulation Status (indicate with "**X**")				
▪ Illicit Discharge Detection & Elimination		X		
▪ Erosion & Sediment Control	X			X
▪ Post-Development Stormwater Management		X		

Mapping and Illicit Discharges

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

Construction

Number of construction starts (>1-acre)	(#)	3
Estimated percentage of construction starts adequately regulated for erosion and sediment control	(%)	100%
Site inspections completed	(# or %)	3
Tickets/Stop work orders issued	(# or %)	None
Fines collected	(# and $)	None
Complaints/concerns received from public	(#)	None

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)	Yearly
Average frequency of catch basin cleaning (commercial/arterial or other critical streets)	(times/yr)	Yearly
Total number of structures cleaned	(#)	580
Storm drain cleaned	(LF or mi.)	100 ft
Qty. of screenings/debris removed from storm sewer infrastructure	(lbs. or tons)	Unknown
Disposal or use of sweepings (landfill, POTW, compost, recycle for sand, beneficial use, etc.)		Compost
Cost of screenings disposal	($)	

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)	20 to 25 tons

Disposal of sweepings (landfill, POTW, compost, beneficial use, etc.)	(location)	
Cost of sweepings disposal	($)	$30,000
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	4 parts sand to 1 part salt per Town regulations
Pre-wetting techniques utilized	(y/n)	
Manual control spreaders used	(y/n)	
Automatic or Zero-velocity spreaders used	(y/n)	Yes
Estimated net reduction in typical year salt application	(lbs. or %)	0
Salt pile(s) covered in storage shed(s)	(y/n)	Yes
Storage shed(s) in design or under construction	(y/n)	

BOARD OF SELECTMEN
Francis A. Hegarty, Chairman
Wayne Phillips, Clerk
Steven P. Rose, Associate
Mark C. Fisher, Town Administrator

Town of Avon
Massachusetts

Town Offices
Buckley Center 02322
(508) 588-0414
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DECLARATION

I declare under penalty of perjury that I am MARK C. FISHER
(Name)

the TOWN ADMINISTRATOR of the Town of Avon, Massachusetts, that I am authorized to respond on behalf of the Town and that the foregoing is a complete, true, and correct response.

Executed on FEB. 26, 2007
(Date)

Mark C. Fisher
(Signature)

MARK C. FISHER
(Type Name and Title)
TOWN ADMINISTRATOR