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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 Revised | Stormwater Impacts Mailer | Town Administrator | 1 Town Wide Mailing | Project incomplete | Gather information to be included. Design the document. Obtain Funding |
| 102 Revised | School Stormwater Science Project | Town Administrator with School Supt. | 1 Class Science Project | Project incomplete | Discuss with Superintendent and develop appropriate plan |
| 103 Revised | 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 |
| 104 Revised | 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 | | | | | |

1a. Additions

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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 Revised | 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. |
| 202 Revised | 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 |
| 203 Revised | 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 | | | | | |

2a. Additions

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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 Revised | 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 |
| 302 Revised | 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. |
| 303 Revised | 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. |
| 304 Revised | 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 | | | | | |
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| Revised | | | | | | | |
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3a. Additions

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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 Revised | 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 |
| 402 Revised | 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 | | | | | |

4a. Additions

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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 Revised | 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 |
| 502 Revised | 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 | | | | | |

5a. Additions

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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 Revised | Annual Street Sweeping | Highway Department | Sweep all town streets once per year | Complete | Annual Occurrence |
| 602 Revised | Annual Catch Basin Clean-out | Highway Department | Clean out all catch basins once per year | Complete | Annual Occurrence |
| 603 Revised | Environmental Assessment of Highway Maintenance Facility | Highway Operations Manager | Completed Assessment | Funding in place | Need to draw-up specifications for RFP |
| 604 Revised | 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 |
| 605 Revised | Environmental Assessment of Municipal Facilities | Town Administrator | Completed Assessment | Ongoing | Need to determine next step |
| Revised | | | | | |

6a. Additions

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|--|--|--------------------|---|--|--|
| | 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 | | | | | |
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7a. Additions

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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 | | |
| <ul style="list-style-type: none"> ▪ days sponsored ▪ community participation ▪ material collected | (#) (%) (tons or gal) (y/n) | 1 Unknown Regional No |
| School curricula implemented | | |
| | | |
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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 | (#) | Unknown |
| % of population on sewer | (est. gpd) | |
| % of population on septic systems | (%) | 1% |
| | (%) | 99% |
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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) | |
| | | |
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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 screenings (landfill, POTW, compost, recycle for sand, beneficial use, etc.) | | Compost |
| Cost of screenings disposal | (\$) | |
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|--|----------------|---------------|
| 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) | |
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| Reduction in application on public land of: ("N/A" = never used; "100%" = elimination) | |
| ▪ Fertilizers | (lbs. or %) |
| ▪ Herbicides | (lbs. or %) |
| ▪ Pesticides | (lbs. or %) |
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| 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) | |
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| | | |

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
FAX (508) 559-0209



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