

**Municipality/Organization:** Avon, MA

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**EPA NPDES Permit Number:** BRPWM084 MAR041089

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**MassDEP Transmittal Number:** W-044647

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**Annual Report Number**

**& Reporting Period:** April 1, 2008 – March 31, 2009

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## **NPDES PII Small MS4 General Permit Annual Report (Due: May 1, 2009)**

### **Part I. General Information**

Contact Person: Michael W. McCue

Title: Town Administrator

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Telephone #: 508-588-0414

Email: mmccue@avonmass.gov

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Mailing Address: 65 East Main Street, Avon, MA 02048

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#### 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:

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Printed Name: Michael W. McCue

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Title: Town Administrator

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Date: 07 JUN 11

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## **Part II. Self-Assessment**

**Due to the departure of the former Town Administrator and acclimation of the current Town Administrator there has been a disruption in the furtherance of established BMPs as defined in the following report. The Town of Avon is committed to get back on schedule with the completion of plans and requirements under our Stormwater Permit. That being said, a number of significant advances have taken place in the time period addressed herein.**

**On May 6, 2008 Town Meeting voted to approve two major road and drainage projects; \$2,890,671 for Pond Street and \$3,282,492 for East Spring Street, Robbins Street, Glendon Street, and East High Street. On August 26, 2008 these projects were successfully funded via a debt exclusion vote.**

**The East Spring Street, Robbins Street, Glendon Street, and East High Street project includes replacement of 100-year old water mains and drainage systems, the latter of which have caused flooding in the past.**

**The Pond Street project is two-phased, one being the reconstruction of and drainage replacement and modifications on Pond Street proper, the second being an off-street draining system which slices through the Brentwood section of town, previously identified in past reports as suffering major drainage and flooding issues. Construction on East Spring Street et al is anticipated to begin in the spring of 2009.**

**Work continued and near completion on a \$3,144,250 water filtration and pumping station funded solely by the taxpayers of Avon.**

**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 areas.**

**The Town continues to adequately budget for street sweeping that allows the town to minimize the impact of sand and salt on the stormwater drainage system.**

**The Town remains committed to making as much progress with improving our stormwater discharge as is possible, realizing budgetary and manpower 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 6<br>(Reliance on non-municipal partners indicated, if any) | Planned Activities – Permit Year 7                                                                                                                                                                                                |
|----------|---------------------------------------|--------------------------------------|-------------------------------------------|-----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 due to lack of participation at cable access                               | Meet with public access when again active. 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                                                                            | The Town has completed an inventory of work to be performed on various streams and drainage areas. We need to 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 6<br>(Reliance on non-municipal partners indicated, if any)                                                                                                                 | Planned Activities – Permit Year 7                                                                                                                                                                                                |
|----------|---------------------------------------------------|-------------------------------|----------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 201      | Stormwater Management Task Force                  | Town Administrator            | Establishment of Task Force                              | We have put together a work group consisting of the Highway Department Operations Manager, the Water Department Superintendent, the Town Administrator and the Chairman of the Board of Selectmen             | Current priority is dealing with issues needed to be completed under existing permit.                                                                                                                                             |
| Revised  |                                                   |                               |                                                          |                                                                                                                                                                                                               |                                                                                                                                                                                                                                   |
| 202      | Publicity of Stormwater related Articles/hearings | Town Administrator            | Public Announcements for all stormwater articles/hearing | Drainage Study Review to be completed. Requests will be made through town meeting warrant articles and hearings to provide adequate funding. Link to FEMA NPDES Permits in New England page added to web site | 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 Web Site                                                                    |
| Revised  |                                                   |                               |                                                          |                                                                                                                                                                                                               |                                                                                                                                                                                                                                   |
| 203      | Science Contest sponsored by Business Association | Town Administrator            | Stormwater Science Contest                               | No action at this time                                                                                                                                                                                        | Business Associations are not active. Town is attempting to invigorate them. 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

| <b>BMP ID #</b> | <b>BMP Description</b>                                  | <b>Responsible Dept./Person Name</b>              | <b>Measurable Goal(s)</b>        | <b>Progress on Goal(s) – Permit Year 6</b><br>(Reliance on non-municipal partners indicated, if any)                                                                                                                                             | <b>Planned Activities – Permit Year 7</b>                                                                                                                                       |
|-----------------|---------------------------------------------------------|---------------------------------------------------|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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. New Drainage Study, for a major portion of the town, has been completed and is in GIS format that will be added to our GIS system | 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              | The Board of Health issued flyers in relation to compost able materials, recyclables and the handling of hazardous materials. Also posted on Web Site                                                                                            | Board of Health to be approached on other stormwater issues and in addition to a possible flyer, place information on the Town's Web Site.                                      |
| Revised         |                                                         |                                                   |                                  |                                                                                                                                                                                                                                                  |                                                                                                                                                                                 |
| 303             | Illicit Discharge Hotline                               | Town Administrator and Highway Operations Manager | Establish Hotline                | Ongoing                                                                                                                                                                                                                                          | Currently using existing phone lines. Make residents aware that they should call if they see inappropriate Stormwater System activity. Issue press release and info on web site |
| 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

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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 6<br>(Reliance on non-municipal partners indicated, if any)                                             | Planned Activities – Permit Year 7 |
|----------|--------------------------------|-------------------------------|-----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|
| 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

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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 6<br>(Reliance on non-municipal partners indicated, if any) | Planned Activities – Permit Year 7 |
|----------|-----------------------------|-------------------------------|-----------------------------------------------|-----------------------------------------------------------------------------------------------|------------------------------------|
| 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

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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 6<br>(Reliance on non-municipal partners indicated, if any)                                                                                                                         | Planned Activities – Permit Year 7        |
|----------|----------------------------------------------------------|-----------------------------------------------------|-------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| 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                                  | Assessment has been completed. Immediate corrective action taken. Process of purchasing properly designed catch basin. Working on specifications for holding tank for water run-off from vehicles parked in facility. | Complete project                          |
| 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  |                                                          |                                                     |                                                       |                                                                                                                                                                                                                       |                                           |
|          |                                                          |                                                     |                                                       |                                                                                                                                                                                                                       |                                           |

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## 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. Participation in regional discussions ongoing through OCPC and DEP | Plan still 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 | Study Completed | Plan developed and approved for funding via Town meeting and debt exclusion ballot                                                                                                                      | Implement drainage plan.                                                                                                                                                                 |

**7. BMPs for Meeting Total Maximum Daily Load (TMDL) Waste Load Allocations (WLA) <<if applicable>>**

| <b>BMP ID #</b> | <b>BMP Description</b> | <b>Responsible Dept./Person Name</b> | <b>Measurable Goal(s)</b> | <b>Progress on Goal(s) – Permit Year 6</b><br>(Reliance on non-municipal partners indicated, if any) | <b>Planned Activities – Permit Year 7</b> |
|-----------------|------------------------|--------------------------------------|---------------------------|------------------------------------------------------------------------------------------------------|-------------------------------------------|
| Revised         |                        |                                      |                           |                                                                                                      |                                           |
| Revised         |                        |                                      |                           |                                                                                                      |                                           |
| Revised         |                        |                                      |                           |                                                                                                      |                                           |
| Revised         |                        |                                      |                           |                                                                                                      |                                           |
| Revised         |                        |                                      |                           |                                                                                                      |                                           |
| Revised         |                        |                                      |                           |                                                                                                      |                                           |

**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 well sites on the Brockton/Avon Town Line.**