

April 28, 2011

Ms. Glenda Velez  
U.S. Environmental Protection Agency/Region 1  
5 Post Office Square – OEP06-01  
Boston, MA 02109-3912

Mr. Fred Civian  
Massachusetts Department of Environmental Protection  
One Winter Street  
Boston, MA 02108

Re: Annual Report NPDES Permit #MAR041134  
Town of Middleborough, MA, Permit Year 8

Dear Ms. Velez:

On behalf of the Town of Middleborough, Massachusetts, please find enclosed the Annual Report for permit year eight in accordance with the terms of the Town's NPDES Phase II MS4 General Permit.

If there is further information/clarification needed on this letter or its enclosures, please do not hesitate to contact me at (617) 675-0254 or via e-mail at [ccf@envpartners.com](mailto:ccf@envpartners.com).

Sincerely,



C. Carter Fahy, P.E., LSP, CHMM  
*Senior Project Manager*

Encl:

Annual Stormwater Report for Year 8 covering the period May 1, 2010 through April 30, 2011

Cc: Charles Cristello, Town Manager  
A. Bagas, DPW Director

**Municipality/Organization: Town of Middleborough, MA**

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**EPA NPDES Permit Number: MAR041134**

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**Annual Report Number  
& Reporting Period: No. 8: May 1, 2010 – April 30, 2011**

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## **NPDES PII Small MS4 General Permit Annual Report**

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

**Contact Person: Charles Cristello**

**Title: Town Manager**

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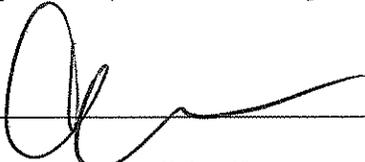
**Telephone #: 508-947-0928**

**Email: ccristello@middleborough.com**

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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: 

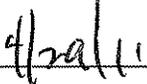
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**Printed Name: Charles Cristello**

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**Title: Town Manager**

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Date: 

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

The Town had developed a Stormwater Management Plan with program priorities for 2003-2008 including:

1. Achieving regulatory compliance, particularly EPA and DEP Phase II NPDES permit requirements;
2. Incorporating storm water protection measures into municipal activities;
3. Focusing activities on target pollution reduction (e.g. Section 303.d. waters and protecting the Town's water supply);
4. Ensuring that the Program is current and innovative; and
5. Providing Program administration.

The Water Quality Stewardship element of the program will focus on the protection of the local water supply and addressing the State's Section 303.d waters located within the Town. To this end, staff will continue to develop and improve the Program activities to reduce storm water pollution to the maximum extent practicable and eliminate prohibited non-storm water discharges, while facilitating understanding and involvement in storm water management by various Town departments. Program priorities will also focus on increased efforts to reduce target pollutants and restore local water bodies.

The Town is committed to working with local watershed associations and local businesses to advance their goals and objectives. Another high priority of staff will be to keep abreast of the latest technology and approaches to achieve storm water management. Program activities will also strive to encourage environmental stewardship and continue to build on partnerships with other agencies, neighboring towns, and the community for active participation in accomplishing the Program mission.

The activities performed during Permit Year Eight focused on using the Town's Geographic Information System to compile existing infrastructure for the stormwater system, active involvement in the Plymouth-Carver aquifer committee, and active public outreach effort promoting pet waste cleanup.

**Part III. Summary of Minimum Control Measures**

**1. Public Education and Outreach**

| <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 8</b>   | <b>Planned Activities</b>  |
|-----------------|--|--------------------------------------|---|--|--|
| 1.a.            | Distribute/post non-point source pollution poster    | Town Manager                         | Post in public spaces                                     | Board of Health initiative during the past year to curb pet waste. Public notices, etc. on trails, adjacent to surface water bodies  | Repost stormwater education posters in schools/town offices.   |
| 1.b.            | Air stormwater message on local cable access channel | Town Manager                         | Post one message every month                              | Local cable access broadcasts periodic meetings of the Plymouth-Carver aquifer committee. These broadcasts discuss Stormwater management and promote pollution prevention. | Continue to air stormwater messages on local cable access channel and add the messaging to the Town's website. |
| 1.c.            | Obtain and distribute auto repair shop brochures     | Highway Department                   | Distribution to all impacted local businesses             | Was completed in past permit years.  | Updated brochures to be mailed to auto repair shops.   |
| 1.d.            | Add stormwater information to town's Website         | Town Manager                         | Update information quarterly to address seasonal concerns | Change in IT staff during this permit year. Item to be addressed next permit year.   | Add stormwater information to Town's website.  |

**2. Public Involvement and Participation**

| <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 8</b>                                 | <b>Planned Activities</b>  |
|-----------------|-------------------------------------|--------------------------------------|---------------------------|--|--|
| 2.a.            | Expand Citizen's Advisory Committee | Town Manager                         | Hold quarterly meetings   | NA. Town was unable to maintain involvement and activity in this committee | Town plans to develop and pursue other public participation efforts that should be more successful. This effort will be coordinated with the General Permit reissuance to ensure that it meets any new requirements. |

| BMP ID # | BMP Description                              | Responsible Dept./Person Name | Measurable Goal(s)   | Progress on Goal(s) – Permit Year 8  | Planned Activities                       |
|----------|--|-------------------------------|--|--|--|
| 2.b.     | Collect and recycle waste oil from residents | Highway Department            | Collect waste oil at least once per month from residents   | Completed. Waste oil collection and recycling offered at landfill.                         | Continue waste oil collection program.   |
| 2.c.     | Collect paint from residents                 | Highway Department            | Collect paint from residents on at least a quarterly basis | Completed. Paint collection offered at landfill.   | Continue paint collection program        |
| 2.d.     | Implement a Catch Basin Stenciling Program   | Highway Department            | Stencil 25% of catch basins each year                      | Stenciling on-going. Approximately 20% of the catch basins stenciled during the last year. | Continue stenciling program (target 30%) |

### 3. Illicit Discharge Detection and Elimination

| BMP ID # | BMP Description  | Responsible Dept./Person Name | Measurable Goal(s)  | Progress on Goal(s) – Permit Year 8  | Planned Activities   |
|----------|--|-------------------------------|---|--|--|
| 3.a.     | Map outfalls and receiving waters                      | Highway Department            | Map 25% of outfalls that drain urbanized areas each year              | Town-wide inventory of CBs/DMHs/outfalls on-going and recently compiled and updated in their GIS system. The Town has mapped 160/250 streets. Outfalls: 81/95, CB: 674/892, Manholes: 252/371. | Town to collect additional data on each of the estimated 95 outfalls as required by draft EPA permit |
| 3.b.     | Review existing bylaws and regulations                 | Planning Department           | Determine if existing bylaws and regulations fulfill EPA requirements | Completed in 2008. Bylaw amended at a 6/24/08 Planning Board hearing (Design Standards, Stormwater Management, Construction)   | Amend IDDE Authority to reflect draft EPA permit, when permit finalized.                             |
| 3.c.     | Develop Illicit Discharge Detection & Elimination Plan | Planning Department           | Make recommendations for inclusion into proposed plan                 | Completed. IDDE Plan developed.  | Amend IDDE Plan to reflect draft EPA permit, when permit is finalized.                               |
| 3.d.     | Develop/Modify General Illicit Discharge Bylaw         | Planning Department           | Propose recommendations for modifying/developing bylaw                | Completed. Modifications drafted to the Water Resource Protection District (WRBD) By-Law, but on hold pending the General Permit publication.  | Conduct public hearing to adopt new by-law once modifications finalized.                             |

| BMP ID # | BMP Description                       | Responsible Dept./Person Name | Measurable Goal(s)                                     | Progress on Goal(s) Permit Year 8       | Planned Activities –   |
|----------|---------------------------------------|-------------------------------|--|---|--|
| 3.e.     | Present Bylaw for Town Meeting Action | Planning Department           | Propose recommendations for modifying/developing bylaw | Delayed until BMP I.D. 3.d is completed | Introduce bylaw modifications once finalized by the Planning Department. |

#### 4. Construction Site Stormwater Runoff Control

| BMP ID # | BMP Description                                   | Responsible Dept./Person Name | Measurable Goal(s)  | Progress on Goal(s) Permit Year 8   | Planned Activities –  |
|----------|---|-------------------------------|---|---|---|
| 4.a.     | Review existing site inspection practices         | Planning Department           | Determine if existing practices fulfill EPA requirements              | Completed. Existing site inspection practices reviewed.   | Re-examine existing site inspection practices per the draft EPA General Permit once it is finalized.                  |
| 4.b.     | Develop/modify site inspection program            | Planning Department           | Make recommendations for modifying existing program                   | Completed. No modifications required.   | Re-examine existing site inspection program per the draft EPA General Permit once it is finalized.                    |
| 4.c.     | Review existing bylaws and regulations            | Planning Department           | Determine if existing bylaws and regulations fulfill EPA requirements | Completed. Existing regulatory mechanisms reviewed.   | Re-examine existing bylaws and regulations per the draft EPA General Permit once it is finalized                      |
| 4.d.     | Develop/modify bylaw for construction site runoff | Planning Department           | Propose recommendations for modifying/developing bylaw                | Completed. Modifications drafted in 2008, but on hold pending draft EPA General Permit publication. | Re-examine modifications to the existing bylaws and regulations per the draft EPA General Permit once it is finalized |
| 4.e.     | Present Bylaw for Town Meeting Action             | Board of Selectmen            | Propose recommendations for modifying/developing bylaw                | Delayed until BMP I.D. 4.d is completed   | Introduce bylaw modifications once finalized by the Planning Department.  |

#### Additional Activities:

- During 2010, the Conservation Commission held 160 hearings. The Conservation Agent as well as the Construction Administrator for the Planning Department conduct frequent visits (up to 2x/day as necessary) to construction areas to ensure proper stormwater controls are being implemented per the Planning Board Permit/Order of Conditions.

### 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 8   | Planned Activities  |
|----------|---|-------------------------------|---|---|---|
| 5.a.     | Review existing site inspection practices               | Planning Department           | Determine if existing practices fulfill EPA requirements              | Completed. Existing site inspection practices reviewed.                                   | Re-examine existing site inspection practices per the draft General Permit once it is finalized.                      |
| 5.b.     | Develop/modify inspection and maintenance practices     | Planning Department           | Make recommendations for modifying existing practices                 | Completed. No modifications required.   | Re-examine existing site inspection practices per the draft EPA General Permit once it is finalized.                  |
| 5.c.     | Review existing bylaws and regulations                  | Planning Department           | Determine if existing bylaws and regulations fulfill EPA requirements | Completed. Existing regulatory mechanisms reviewed.                                       | Re-examine existing bylaws and regulations per the draft EPA General Permit once it is finalized                      |
| 5.d.     | Develop/modify bylaws for post-construction site runoff | Planning Department           | Propose recommendations for modifying/developing bylaw                | Completed. Modifications drafted in 2008, but on hold pending General Permit publication. | Re-examine modifications to the existing bylaws and regulations per the draft EPA General Permit once it is finalized |
| 5.e.     | Present Bylaw for Town Meeting Action                   | Planning Department           | Propose recommendations for modifying/developing bylaw                | Delayed until BMP I.D. 4.d is completed   | Introduce bylaw modifications once finalized by the Planning Department.  |

### 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 8        | Planned Activities                  |
|----------|-------------------------|-------------------------------|---|--|-------------------------------------|
| 6.a.     | Street Sweeping Program | Highway Department            | Sweep all streets at a minimum twice per year | Annual street sweeping performed by DPW. | Continue annual sweeping of streets |

|                 |   |                                      |   |   |   |
|-----------------|---|--------------------------------------|---|---|---|
| 6.b.            | Catch basin cleaning program                                    | Highway Department                   | Check catch basins quarterly and clean up to twice per year | Completed. Annual catch basin inspection and cleaning performed by DPW.               | Continue annual catch basin cleaning program.                       |
| <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 8</b>  | <b>Planned Activities</b>   |
| 6.c.            | Perform site visits to examine existing practices at facilities | Highway Department                   | Target all applicable municipal facilities                  | Corrective action on oil/hazardous materials storage completed at the Highway Garage. | Corrective action at other municipal facilities previously audited. |
| 6.d.            | Train municipal employees at each town facility                 | Highway Department                   | Target all applicable municipal facilities                  | Completed. Training of municipal employees performed.                                 | Annual follow-up to continue.                                       |
| 6.e.            | Perform follow-ups to ensure required practices are met         | Highway Department                   | Target all applicable municipal facilities                  | Corrective action on oil/hazardous materials storage completed at the Highway Garage. | Corrective action at other municipal facilities previously audited. |

Additional Activities:

- During 2010 crews from the Plymouth County Mosquito Control Program removed blockages, brush and other obstructions from 265 linear feet of ditches and streams within the Town of Middleborough