# Town of Barnstable
**Department of Public Works**
**Engineering Division**
367 Main Street, Hyannis MA 02601

Office: 508-862-4088
Fax: 508-862-4711

Robert A. Burgmann, P.E.
Town Engineer


5/9/06 received

1090

May 1, 2006

United States Environmental Protection Agency
Municipal Assistance Unit
One Congress Street, Suite 1100
Boston, MA 02114-2023

Dear EPA:

**Annual Report, Stormwater Phase II NPDES Permit #MAR 041090**

Enclosed is the Town of Barnstable's Annual Report as required by NPDES General Permit # MAR 041090 for Stormwater Discharges from Small Municipal Separate Storm Sewer Systems.

The Town of Barnstable trusts that all the requirements are met but if additional information is required or desired, please call John Jacobson at 508-862-4084.

Sincerely,

Robert A. Burgmann, P.E.
Town Engineer

Enclosure

**Municipality/Organization:** **Barnstable DPW**

**EPA NPDES Permit Number:** **MAR 041090**

**MaDEP Transmittal Number:** **W-**

**Annual Report Number & Reporting Period:** **No. 3: March 05-March 06**

# NPDES PII Small MS4 General Permit Annual Report

## Part I. General Information

Contact Person: John Jacobson Title: Special Project Manager

Telephone #: 508-862-4084 Email: john.jacobson@town.barnstable.ma.us

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 C. Klimm

Title: Town Manager

Date: 05-01-06

**Part II. Self-Assessment**

The Town of Barnstable has begun to implement its Stormwater Management Program as described in the NOI dated July 28, 2003. The attached Summary of Minimum Control Measures describes steps taken to date.

However, the Town of Barnstable has been addressing Stormwater issues for many years. Some of the projects that have been ongoing for many years include street sweeping, catch basin cleaning, illegal discharge location, water quality monitoring, outfall mapping, coastal discharge mitigation, shellfish sanitary surveys, grants from CZM and DEP to specifically address stormwater issues and participation in the Massachusetts Estuary Project (MEP) and the Cape Cod Commission Project STORM.

## 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 1-3 (Reliance on non-municipal partners indicated, if any) | Planned Activities – Permit Year 4 |
|---|---|---|---|---|---|
| 1-1 | Educational Flyer | DPW/PHD | Develop Flyer | Doorhanger flyer and a bookmarker were developed in cooperation w/CCC Project Storm team. Flyers and bookmarkers are available at public events and for distribution during storm drain marker installation. | Continue distribution. |
| Revised | | | | | |
| 1-2 | Annual Meeting | DPW | Hold Meeting | Public Meetings were held on 4/26/04 and 5/16/05 to discuss water quality results from the MEP. Results have shown that SW is less than 10% of the nutrient loading. | The Town will reconvene a Citizens Advisory Committee to provide guidance on solutions to water quality. |
| Revised | | | | | |
| 1-3 | Web Page Development | DPW | Post information | Information related to stormwater has been posted on the Town web site including information on the MEP and Household Hazardous Waste Collection. | Maintain and update the posting. |
| Revised | | | | | |
| | | | | | |
| Revised | | | | | |
| | | | | | |
| Revised | | | | | |
| | | | | | |
| Revised | | | | | |

## 2. Public Involvement and Participation

| BMP ID # | BMP Description | Responsible Dept./Person Name | Measurable Goal(s) | Progress on Goal(s) – Permit Year 1-3 (Reliance on non-municipal partners indicated, if any) | Planned Activities – Permit Year 4 |
|---|---|---|---|---|---|
| 2-1 | Stormwater Management Committee | DPW | Establish Committee | Stormwater Management Committee has not yet been established. However, Nutrient Management Committee has been meeting for more than 4 years discussing WQ issues that include stormwater. | The Nutrient Management Committee will continue to meet and a Nutrient Management Citizens Advisory Committee will be established to deal with the MEP TMDL reports for Town estuaries. The need for a separate Stormwater Management Committee will be evaluated. |
| Revised | | | | | |
| 2-2 | Citizen Participation | DPW/PHD | Document Public Involvement | Citizen volunteers have participated in the Town MEP water quality sampling program for the last five summers. Citizens have installed storm drain markers. A PPT presentation was developed for CZM NonPoint Source Pollution Program participation. Participated in Horace Mann Charter School Water Festival and Marstons Mills River Day. | Continue the sampling program, storm drain marker program and participation in public education events. |
| Revised | | | | | |
| 2-3 | Storm Drain Markers | DPW/PHD | Install Storm Drain Markers | Many Cape Cod storm drain markers have been installed by volunteers. | The Cape Cod storm drain markers will continue to be installed by volunteers, Americorps or Senior Environment Corps. |
| Revised | | | | | |
| 2-4 | Water Quality Monitoring | DPW/PHD | Monitor Ponds and Estuaries | 53 WQ monitoring stations sampled 7 times the last 5 summers as part of MEP. Town has participated in DMF Sanitary Surveys. Town participated in Cape-wide pond sampling (PALS). | All 3 programs described will continue. |
| Revised | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

## 3. Illicit Discharge Detection and Elimination

| BMP ID # | BMP Description | Responsible Dept./Person Name | Measurable Goal(s) | Progress on Goal(s) – Permit Year 1-3 (Reliance on non-municipal partners indicated, if any) | Planned Activities – Permit Year 4 |
|---|---|---|---|---|---|
| 3-1 | Storm Drain Mapping | DPW/GIS | Map Drains & Outfalls | Most of Hyannis has been mapped. | Mapping of Hyannis and the rest of Town will continue. |
| Revised | | | | | |
| 3-2 | Illicit Discharge Identification | DPW/PHD | Document Illicit Connections | Monitoring during DMF Sanitary Surveys has identified presence of illegal discharges. | Continue illicit discharge detection using DMF sanitary Surveys. Consider using Optical Brightener testing to also identify illegal connections. |
| Revised | | | | | |
| 3-3 | Illicit Discharge Enforcement | PHD | Correct Illegal Discharges | Some illegal discharges have been corrected as a result of detection during DMF Sanitary Surveys or during Storm Drain upgrades. | Continue detecting illegal discharges |
| Revised | | | | | |
| 3-4 | DPW Training | DPW/DPH | Conduct Training | No training for detection of illicit discharges has been held recently but the Town did conduct smoke detector training for DMF in 2002. | Conduct training as needed. |
| Revised | | | | | |
| 3-5 | Public Information | DPW/PHD | Provide HazWaste Information | The Town web site and flyers have provide information on Household Hazardous Waste collection days at the Town Transfer Station. | Continue with collections. |
| 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 1-3 (Reliance on non-municipal partners indicated, if any) | Planned Activities – Permit Year 4 |
|---|---|---|---|---|---|
| 4-1 | Conservation Commission Review | ConCom | Complete Review | No review of existing wetland bylaw conducted yet. | Complete review. |
| Revised | | | | | |
| 4-2 | Subdivision Regulation Review | Growth Management | Complete Review | No review of existing subdivision regulations and zoning bylaws conducted yet. | Complete review. |
| Revised | | | | | |
| 4-3 | Zoning Bylaw Review | Growth Management | Complete Review | No review of the Site Plan Review Process conducted yet. | Complete review. |
| 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 1-3 (Reliance on non-municipal partners indicated, if any) | Planned Activities – Permit Year 4 |
|---|---|---|---|---|---|
| 5-1 | Conservation Commission Review | ConCom | Complete Review | No review of existing wetland bylaw conducted yet. | Complete Review |
| Revised | | | | | |
| 5-2 | Subdivision Regulation Review | Growth Management | Complete Review | No review of existing subdivision regulations and zoning bylaws conducted yet. | Complete Review |
| Revised | | | | | |
| 5-3 | Zoning Bylaw Review | Growth Management | Complete Review | No review of the Site Plan Review Process conducted yet. | Complete Review |
| 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 1-3 (Reliance on non-municipal partners indicated, if any) | Planned Activities – Permit Year 4 |
|---|---|---|---|---|---|
| 6-1 | Policy Guide | DPW | Complete Guide | Spill Plan posted at Highway Department | Complete Policy Guide |
| Revised | | | | | |
| 6-2 | Training | DPW | Complete Training | Not done yet. Needs Policy Guide. | Complete Policy Guide & conduct training. |
| Revised | | | | | |
| 6-3 | Permit Filing | DPW | File ConCom Permit Application as needed | DPW does this now. | Continue to file as needed. |
| Revised | | | | | |
| 6-4 | Catch Basin Cleaning | DPW | Clean all public road catch basins every 2 years | Approximately 4000 catch basins are cleaned annually. | Continue to clean catch basins. |
| Revised | | | | | |
| 6-5 | Street Sweeping | DPW | Sweep all public roads annually. | All public roads are swept at least once annually with main roads swept more often. | Continue to sweep public roads. |
| Revised | | | | | |
| | | | | | |
| Revised | | | | | |

## 6a. Additions

| | | | | | |
|---|---|---|---|---|---|
| | | | | | |
| | | | | | |

## 7. BMPs for Meeting Total Maximum Daily Load (TMDL) Waste Load Allocations (WLA)

| BMP ID # | BMP Description | Responsible Dept./Person Name | Measurable Goal(s) | Progress on Goal(s) – Permit Year 1-3 (Reliance on non-municipal partners indicated, if any) | Planned Activities – Permit Year 4 |
|---|---|---|---|---|---|
| 7-1 | Storm Drain Mapping | DPW/GIS | Map Drains & Outfalls | Most of Hyannis has been mapped. | Mapping of Hyannis and the rest of Town will continue. |
| Revised | | | | | |
| 7-2 | Illicit Discharge Reduction | DPW/PHD | | Monitoring during DMF Sanitary Surveys has identified presence of illegal discharges. Some illegal discharges have been corrected as a result of detection during DMF Sanitary Surveys or during Storm Drain upgrades. | Continue illicit discharge detection using DMF sanitary Surveys. Consider using Optical Brightener testing to also identify illegal connections. |
| Revised | | | | | |
| 7-3 | No Discharge Areas (NDA) | PHD | Lewis Bay/Hyannis Harbor NDA received | No Discharge Areas previously established for 3 Bays and Centerville River. Increased the pumpout facilities in Lewis Bay/Hyannis Harbor. | Submit Lewis Bay/Hyannis Harbor NDA. Start work on Barnstable Harbor NDA. |
| Revised | | | | | |
| 7-4 | Mass Estuaries Project (MEP) | DPW | Complete MEP | Popponesset Bay WQ Report complete and TMDL Report to be issued. | Complete Three Bays WQ Report and TMDL Report. |
| Revised | | | | | |
| | | | | | |
| Revised | | | | | |
| | | | | | |
| Revised | | | | | |

## 7a. Additions

| | | | | | |
|---|---|---|---|---|---|
| | | | | | |
| | | | | | |