

3/21/12

10

Municipality/Organization: Barnstable DPW

EPA NPDES Permit Number: MAR 041090

MassDEP Transmittal Number:

Annual Report Number & Reporting Period: No. 9: April 1, 2011 – March 31, 2012

NPDES PII Small MS4 General Permit Annual Report (Due: May 1, 2012)

Part I. General Information

Contact Person: Dale Saad, Ph.D. Title: Senior Project Manager

Telephone #: 508-790-6400 Email: Dale.Saad@town.barnstable.ma.us

Mailing Address: 382 Falmouth Road, Hyannis, MA 02601

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: Thomas Lynch

Title: Acting Town Manager

Date: 3.16.12

Part II. Self-Assessment

The Town of Barnstable has completed the required self-assessment and has determined that our municipality is working towards compliance as we implement our Stormwater Management Program as described in the NOI dated July 28, 2003. The attached Summary of Minimum Control Measures describes steps taken to date.

The Town of Barnstable has addressed stormwater issues for many years. Some of the projects that have been ongoing for many years include street sweeping, catch basin cleaning, drainage improvements, illegal discharge location, water quality monitoring, outfall mapping, coastal discharge mitigation, shellfish sanitary surveys, and participation in the Massachusetts Estuary Project (MEP) and the Cape Cod Commission Project Storm.

A citizen committee was formed to help with public information and to address issues dealing with water quality concerns. The Citizens Advisory Committee (CAC) deals with a range of water quality issues and solutions to prevent problems now and in the future.

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 9 (Reliance on non-municipal partners indicated, if any) | Planned Activities – Permit Year 10 |
|----------------|---|--|---|--|--|
| 1-1 Revised | Educational Flyer | DPW/PHD DPW/PHD/Con Com/Recreation Department | Develop Flyer & Distribute Installed Mutt Mitt Dispensers w/ signage | Door hanger flyer & bookmark developed in cooperation with CCC Project Storm Team are available at public and school events, and distributed during storm drain marker installation. Pet waste brochures are given during licensing of dogs. | Continue distribution flyers and maintain Mutt Mitt dispensers/signage. Develop new material as needed like flyer for “Get your mind in the gutter” and radio shows. |
| 1-2 Revised | Annual Meeting Inside Barnstable Town Government - Citizens’ Leadership Academy (CLA) | DPW DPW | Hold Meeting(s) Informational meetings, perform annually. | Public Meetings were held to discuss water quality results from MEP sampling, Action Plan for Ponds and Coastal Resources Management and CWNMP updates. Video available on Town Web Site for meetings. CLA are held twice a year. | Continue meetings to provide information on water quality with live TV and video available on line. Continue CLA with updated information |
| 1-3 Revised | Web Page Development <i>Home front page web button development</i> | DPW/PHD DPW/PHD/ConCom | Develop, post information and update as needed. Develop web button and people using site. | Information related to stormwater was posted on the Town web site including information on the MEP, and Household Hazardous Waste Collections. People are responding to web button | Maintain and update the posting. Increase use of the “The Barnstable Bulletin. Update information and useful links to web button site. |

1a. Additions

| | | | | | |
|-----|---------------------|-------------|--|--|--|
| 1-4 | Think Blue – Stormy | MA Bays/DPW | Continue to request the use of “Stormy” at different events. | Display of MA Bays “Stormy” part of Think Blue Campaign in Barnstable. | Request use of “Stormy” for more events in Town. |
|-----|---------------------|-------------|--|--|--|

| | | | | | |
|-----|----------------|---------|---|--|--|
| 1-5 | Display boards | DPW/PHD | Continue to develop and use displays as needed. | Private citizens using "Get your mind in the Gutter, and get pollution out" and dog poop display for their events. | Develop new boards and display at events. Update older boards. |
| | | | | | |

2. Public Involvement and Participation

| BMP ID # | BMP Description | Responsible Dept./Person Name | Measurable Goal(s) | Progress on Goal(s) – Permit Year 9 (Reliance on non-municipal partners indicated, if any) | Planned Activities – Permit Year 10 |
|----------|--|---|---|---|--|
| 2-1 | Stormwater Management Committee | DPW | Establish committee that will deal with stormwater & water quality. | Citizens Advisory Committee (CAC) is now a standing Town committee to work on water quality issues that include stormwater. CAC meets once a month. | CAC continue to deal with the Towns estuaries and fresh water issues. |
| Revised | The formation of the Nutrient Management Comm. | | | | |
| 2-2 | Citizen Participation | -DPW/PHD -Hyannis Business Improvement Direct (HBID) | -Document Public Involvement -Pan & broom sweeping and pickup of trash in downtown Hyannis | HBID hires people to sweep and pickup trash on Main Street Hyannis. Citizen volunteers have participated in the Town MEP water quality-sampling program for the last 10 summers. Volunteers have installed storm drain markers. Citizens, AmeriCorps, County, and Town staff participated in Wet Festival and Marstons Mills River Day Events. The school program involved over 100 students. | Continue the sampling program, storm drain markers program, and participation in public education events including school stormwater curriculum. |
| Revised | | | | | |
| 2-3 | Storm Drain Markers | DPW/PHD | Install Storm Drain Markers | More Cape Cod storm drain markers have been installed and volunteers replaced a many older/missing ones. | The Cape Cod storm drain markers will continue to be installed and replaced by volunteers and staff. |
| Revised | | | | | |
| 2-4 | Citizen Water Quality Monitoring | DPW/PHD | Monitor Ponds and Estuaries | Continued monitoring WQ stations that were sampled four times last season as | All programs described will continue. |

| | | | | | | | |
|---------|--|--|--|--|--|--|--|
| Revised | | | | | | | |
| Revised | | | | | | | |
| Revised | | | | | | | |

2a. Additions

| | | | | | |
|-----|---------------------------------|----------------------|---|---|---|
| 2-5 | Coastsweep – Shoreline Clean-up | ConCom/Rec. Dept/DPW | Organize & support annual shoreline clean-ups of fresh and marine shorelines. | Volunteer groups organized by ConCom for the clean up of beaches and town landings for the 24 ^d annual Coastsweep. | Continue program with the idea of the groups having ownership of their cleanup areas. Families are signed up for next years clean-up as an annual family get-together. Groups are already starting to form for next year. |
|-----|---------------------------------|----------------------|---|---|---|

3. Illicit Discharge Detection and Elimination

| BMP ID # | BMP Description | Responsible Dept./Person Name | Measurable Goal(s) | Progress on Goal(s) – Permit Year 9 (Reliance on non-municipal partners indicated, if any) | Planned Activities – Permit Year 10 |
|----------------|--|-------------------------------|--|---|---|
| 3-1 Revised | Storm Drain Mapping | DPW | Map Drains & Outfalls | Most of the storm drains in Hyannis and parts of the coastal areas are mapped. All known outfalls are mapped. | Town mapping will continue and update outfall map as needed. |
| 3-2 Revised | Illicit Discharge Identification | DPW/PHD | Document Illicit Connections | Monitoring during DMF Sanitary Surveys has identified presence of illegal discharges | Continue illicit discharge detection using all methods available to the Town. |
| 3-3 Revised | Illicit Discharge Enforcement | PHD | Correct Illegal Discharges | Illegal discharges are investigated and addressed after detection during Sanitary Surveys and/or during storm drain upgrades. | Continue detecting illegal discharges |
| 3-4 Revised | DPW Training | DPW/PHD | Conduct training | Continued training and using the taped training session from the Town co-sponsored DPW Environmental Compliance Training/Project Storm. | Continue to conduct training as needed. |
| 3-5 | Public Information Televised programs dealing with stormwater and water quality | DPW/PHD DPW | Provide HazWaste Information “Talk of the Town” taped information on water quality, which is available on Town web site. | The Town’s web site, posters, and flyers provide information on Household Hazardous Waste (HHW) collection day(s). TV programs are “Project Storm” (DPW), ponds, coastal management and roadways dealing with water quality. | Continue televised tape messages about HHW and “Project Storm”. |

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 9 (Reliance on non-municipal partners indicated, if any) | Planned Activities – Permit Year 10 |
|----------------|--------------------------------|-------------------------------|---|--|---|
| 4-1 Revised | Conservation Commission Review | Con Com Con Com/DPW | Complete Review Conservation Director gives training to DPW staff. | Review of existing wetland bylaw completed. Conducted training for DPW staff dealing with DPW work sites. | Review and update as needed. Continue training about wetlands bylaws for DPW work sites. |
| 4-2 Revised | Subdivision Regulation | Growth Management | Complete Review | Reviewed existing subdivision regulations in the WP and Growth Incentive Zone (GIZ) | Review and update as needed. |
| 4-3 Revised | Zoning Bylaw Review | Growth Management | Complete Review | Review of the Site Plan Review process conducted in the WP and GIZ. | Review and update as needed. |
| 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 9 (Reliance on non-municipal partners indicated, if any) | Planned Activities – Permit Year 10 |
|----------------|--------------------------------|-------------------------------|--------------------|--|-------------------------------------|
| 5-1 Revised | Conservation Commission Review | Con Com | Complete Review | Review of existing wetland bylaw. | Review and update as needed. |
| 5-2 Revised | Subdivision Regulation | Growth Management | Complete Review | Reviewed existing subdivision regulations in the GIZ and WP | Review and update as needed. |
| 5-3 Revised | Zoning Bylaw Review | Growth Management | Complete Review | Review of the Site Plan Review process conducted in the GIZ and WP | Review and update as needed. |
| Revised | | | | | |
| Revised | | | | | |
| Revised | | | | | |

5a. Additions

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

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 9 (Reliance on non-municipal partners indicated, if any) | Planned Activities – Permit Year 10 |
|-------------|------------------------------|---|--|---|--|
| 7-1 Revised | Storm Drain Mapping | DPW/GIS | Map Drains & Outfalls | Most of Hyannis and coastal areas have been mapped. GIS drain mapping was audited and corrections are continuing. | Mapping of the Town will continue. Need to update repaired and new system changes. |
| 7-2 Revised | Illicit Discharge Reduction | DPW/PHD | Reduction of Load | Staff working on Optical Brightener testing to identified presence of illegal discharges. Some illegal discharges have been corrected as a result of detection during DMF Sanitary Surveys or during Storm Drains upgrades. | Continue illicit discharge detection using all possible methods to identify illegal connections. |
| 7-3 Revised | No Discharge Areas (NDA) | DPW/PHD/ConCom/MA Bays/APCC DPW/Hy-Line/Steamship Authority | Whole Town NDA Sewer connections completed for commercial vessels | No Discharge Areas (NDA) established for Three Bays, Centerville River and Cape Cod Bay. South Side/Nantucket Sound NDA application into U.S. EPA. | South Side/Nantucket Sound NDA established |
| 7-4 Revised | Mass Estuaries Project (MEP) | DPW | Complete MEP | Three Bays, Rushy Marsh, and Centerville River /East Bay WQ Reports and TMDL Reports completed. WQ Report done for Lewis Bay area. | Complete working with the Town of Yarmouth on Lewis Bay Area TMDL Report s-runs. Working on Barnstable Harbor WQ Report with CMAST |
| | | | | | |
| | | | | | |

7a. Additions

| | | | | | |
|-----|---|---------|--|--|--|
| 7-5 | Cape Cod Water Protection Collaborative | DPW/GMD | Solve issues and receive funding county wide | Working together with other Towns to solve problems and seek funding | Continue to work with county wide group on water issues. |
| | | | | | |

7b. WLA Assessment