

Municipality/Organization: Barnstable DPW

EPA NPDES Permit Number: MAR 041090

MassDEP Transmittal Number: W-

Annual Report Number

& Reporting Period: No.4: April 1, 2006 – March 31, 2007

NPDES PII Small MS4 General Permit Annual Report (Due: May 1, 2007)

Part I. General Information

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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:

Printed Name: John C. Klimm

Title: Town Manager

Date:

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, 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 4 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 5
1-1	Educational Flyer	DPW/PHD	Develop Flyer & Distribute	Door hanger flyer & bookmark developed in cooperation with CCC Project Storm Team are available at public and school events, and are distributed during storm drain marker installation. Pet waste brochures are given during licensing of dogs through the Town Clerk's Office.	Continue distribution flyers and maintain Mutt Mitt dispensers/signage. Develop new material as needed.
Revised	Mutt Mitts Dispensers/Signage	DPW/PHD/Con Com/Recreation Department	Installed Mutt Mitt Dispensers w/ signage		
1-2	Annual Meeting	DPW	Hold Meeting(s)	Public Meetings were held on 12/13/06 and 1/25/07 to discuss water quality results from MEP. Results have shown that Stormwater is less than 10% of the nutrient loading in the Rushy Marsh, and Three Bays area	The Town will reconvene a Citizens Advisory Committee to provide guidance on solutions to water quality.
Revised	Inside Barnstable Town Government - Citizens' Leadership Academy (CLA)	DPW/PHD	Implement informational meetings, perform annually.		
1-3	Web Page Development	DPW/PHD	Develop, post information and update as needed.	Information related to stormwater was posted on the Town web site including information on the MEP, Household Hazardous Waste Collections, and underground tanks (UGT).	Maintain and update the posting. Increase use of the "The Barnstable Bulletin" and its "News You Can Use" section.
Revised					

1a. Additions

1-4	Think Blue – Stormy	MA Bays/Town of Barnstable	Continue to request the use of "Stormy" at different events.	First display of MA Bays "Stormy" on May 21, 06 Think Blue Campaign in Barnstable during Cape Cod Maritime Festival.	Request use of "Stormy" for more events in Town.
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1-5	Display boards	DPW/PHD	Continue to develop and use displays as needed.	“Get your mind in the Gutter, and get pollution out” will be present for the first time during Civic Associations of Barnstable’s Northside meeting on Earth Day – Make a Difference (4/23/06).	Develop and display the boards at events.

2. Public Involvement and Participation

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 4 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 5
2-1	Stormwater Management Committee	DPW	Establish committee that will deal with stormwater management.	Nutrient Management Committee is discussing WQ issues that include stormwater. 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	The formation of the Nutrient Management Comm.				
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. Volunteers have installed storm drain markers. Citizens, AmeriCorps, County, and Town staff participated in Horace Mann Charter School Water Festival and Marstons Mills River Day. The school program on 3/2/7 and 3/5/7 involved over 250 students. HBID hires people to sweep and pickup trash on Main Street Hyannis.	Continue the sampling program, storm drain markers program, and participation in public education events including school stormwater curriculum for grades five and six.
Revised	Pan & broom sweeping and pickup of trash in downtown Hyannis	Hyannis Business Improvement Direct (HBID)			

2-3	Storm Drain Markers	DPW/PHD	Install Storm Drain Markers	More Cape Cod storm drain markers have been installed and volunteers replaced a few older/missing ones.	The Cape Cod storm drain markers will continue to be installed and replaced by volunteers, Americorps and/or Senior Environment Corp.
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 part of the MEP. Sanitary Surveys work has continued with DMF. Town participated in Cape-wide pond sampling (PALS Program).	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	19 volunteer groups organized by Con Com for the 9/16/06 clean up of beaches and town landings.	Continue program with the idea of the groups having ownership of their cleanup areas.

3. Illicit Discharge Detection and Elimination

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 4 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 5
3-1 Revised	Storm Drain Mapping	DPW	Map Drains & Outfalls	Most of Hyannis has been mapped and parts of the coastal areas.	Town mapping will continue.
3-2 Revised	Illicit Discharge Identification	DPW/PHD	Document Illicit Connections	Staff time limits progress, monitoring during DMF Sanitary Surveys has identified presence of illegal discharges. Optical Brightener Testing in use to identify 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 on site DMF ID smoke machine detector.	Continue to conduct training as needed.
3-5 Revised	Public Information	DPW/PHD	Provide HazWaste Information	The Town's web site, posters, and flyers provided information on the five (5) Household Hazardous Waste collection days at the Town Transfer Station.	Continue with collection.
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 4 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 5
4-1 Revised	Conservation Commission Review	Con Com	Complete Review	Review of existing wetland bylaw not completed. Due to staff time limitations effort postponed to year five.	Complete review and update as needed.
4-2 Revised	Subdivision Regulation	Growth Management	Complete Review	Reviewed existing subdivision regulations in the WP and Growth Incentive Zone (GIZ)	Complete 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	Complete 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 4 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 5
5-1 Revised	Conservation Commission Review	Con Com	Complete Review	Review of existing wetland bylaw not completed. Due to staff time limitations effort postponed to year five.	Complete review and update as needed.
5-2 Revised	Subdivision Regulation	Growth Management	Complete Review	Reviewed existing subdivision regulations in the GIZ and WP	Complete 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	Complete review and update as needed.
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 4 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 5
6-1 Revised	DPW Policy Guide	DPW	Complete Guide	Spill Plan posted at Highway Department. A Safety Committee meets on a regular basis. Due to staff time limitation, Policy Guide not complete.	Completed Policy Guide
6-2 Revised	DPW Annual Training	DPW	Complete Training	DPW Divisions are training staff in their work areas. At WPC, weekly crew meeting updates training.	Continue to conduct training.
6-3 Revised	DPW Permit Filing	DPW	File Con Com Permit Application as needed	DPW does this now. Goal met.	Continue to file as needed.
6-4 Revised	Catch Basin Cleaning	DPW	Clean all public road catch basins every 2 years	Goal met. Approximately 4000 catch basins are cleaned annually. About 1000 basins are cleaned once a year and 3000 done every two years.	Continue to clean catch basins.
6-5 Revised	Street Sweeping	DPW	Sweep all public roads annually	Goal met. All public roads are swept at least once annually. Downtown Hyannis roads are swept on average three times a week with the other village downtowns swept once a week during the season. Using the Towns' Weather Station, roadways are pretreated before storms with modified spreaders.	Continue to sweep public roads and using all methods available to the Town to lessen loading to the roadways.
	Changing Salt:Sand Ratio and using Deicer Additives	DPW Highway	Lessen sand load to the roadways.		
Revised					

6a. 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 4 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 5
7-1 Revised	Storm Drain Mapping	DPW/GIS	Map Drains & Outfalls	Most of Hyannis and coastal areas have been mapped.	Mapping of the Town will continue.
7-2 Revised	Illicit Discharge Reduction	DPW/PHD	Reduction of Load	Staff time limits progress, 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 Drains upgrades.	Continue illicit discharge detection using DMF Sanitary Surveys. Consider using Optical Brightener testing to also identify illegal connections.
7-3 Revised	No Discharge Areas (NDA)	DPW/PHD/ConCom/M A Bays/APCC	Whole Town NDA	No Discharge Areas (NDA) previously established for Three Bays and Centerville River. Increased the pumpout facilities in Lewis Bay/Hyannis Harbor.	Work on Barnstable Harbor data to be included in the Cape Cod Bay NDA.
7-4 Revised	Mass Estuaries Project (MEP)	DPW	Complete MEP	Three Bays and Rushy Marsh WQ Reports and TMDL Reports completed.	Complete Centerville River /East Bay and Hyannis Harbor/Lewis Bay WQ and TMDL Reports.

7a. Additions

7b. WLA Assessment