

Municipality/Organization: Barnstable DPW

EPA NPDES Permit Number: MAR 041090

MassDEP Transmittal Number:

Annual Report Number

& Reporting Period: No.5: April 1, 2007 – March 31, 2008

NPDES PII Small MS4 General Permit Annual Report (Due: May 1, 2008)

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: This final document copy is being provided to you electronically by the Town of Barnstable. A signed copy of this document is being sent via Certified Mail.

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, 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 5 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year
1-1	Educational Flyer	DPW/PHD DPW/PHD/Con Com/Recreation Department	Develop Flyer & Distribute Installed Mutt Mitt Dispensers w/ signage	Door hanger flyer & bookmarker 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.
Revised					
1-2	Annual Meeting	DPW	Hold Meeting(s)	Public Meeting was held on 8/1/07 to discuss water quality results from MEP and DEP TMDL reports in the Centerville River and Easy Bay areas.	Continue meetings to provide information on water quality.
Revised	Inside Barnstable Town Government - Citizens' Leadership Academy (CLA)	DPW	Informational meetings, perform annually.	CLA are held twice a year.	
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, & underground tanks (UGT).	Maintain and update the posting. Increase use of the "The Barnstable Bulletin" and its "News You Can Use" section.
Revised	Home front page web button development	DPW/PHD/ConCom	Develop web button		

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 during Cape Cod Maritime Festival.	Request use of "Stormy" for more events in Town. Have placed a request for May 2008 Maritime Day.
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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” was present for the first time during Civic Associations of Barnstable’s Northside meeting on Earth Day – Make a Difference (4/23/07). Display used at several other events during the year.	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 5 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year
2-1	Stormwater Management Committee	DPW	Establish committee that will deal with stormwater & water quality.	Nutrient Management Committee is discussing WQ issues that include stormwater. Nutrient Management Committee meeting for more than 4 years discussing WQ issues that include stormwater.	The Nutrient Management Committee will continue to meet and to deal with the Town estuaries and fresh water.
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	Citizen volunteers have participated in the Town MEP water quality-sampling program for the last six summers. Volunteers have installed storm drain markers. Citizens, AmeriCorps, County, and Town staff participated in Horace Mann Charter School Wet Festival and Marstons Mills River Day. The school program 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					
2-3	Storm Drain Markers	DPW/PHD	Install Storm Drain Markers	More Cape Cod storm drain markers have been installed and volunteers	The Cape Cod storm drain markers will continue to be installed and

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	Volunteer groups organized by Con Com for the 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 5 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year
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.
3-2 Revised	Illicit Discharge Identification	DPW/PHD	Document Illicit Connections	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. Town co-sponsor DPW Environmental Compliance Training with Tight & Bond and Project Storm.	Continue to conduct training as needed.
3-5 Revised	Public Information <i>Televised programs dealing with stormwater and water quality</i>	DPW/PHD DPW	Provide HazWaste Information “Talk of the Town” taped information on water quality.	The Town’s web site, posters, and flyers provided information on the five (5) Household Hazardous Waste collection days at the Town Transfer Station. TV programs are “Project Storm” (DPW) and Shellfish Forum (Natural Resource Division and DPW) both deal with water quality.	Continue with collection. Continue televised tape messages about HHW collection and “Project Storm”. Continue to work with Natural Resource Division and the production of the Shellfish Forum each year.

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

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 5 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year
6-1	DPW Policy Guide	DPW	Complete Guide	Spill Plan (SPCC) posted at all divisions. DPW Safety Committee meets on a regular basis (10 times/yr more if needed). Policy Guide in draft form.	Update Policy Guide
Revised			Keep updating guide		
6-2	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.
Revised					
6-3	DPW Permit Filing	DPW	File Con Com Permit Application as needed	DPW does this now. Goal met. Con Com Director gives training to DPW staff.	Continue to file as needed.
Revised					
6-4	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.
Revised					
6-5	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.
Revised	Changing Salt:Sand Ratio and using Deicer Additives	DPW Highway	Lessen sand load to the roadways will lessen amount of sweeping required.		
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 5 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year
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.
7-2 Revised	Illicit Discharge Reduction	DPW/PHD	Reduction of Load	Staff working on Optical Brightener testing. Monitoring during DMF Sanitary Surveys 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/M A Bays/APCC	Whole Town NDA	No Discharge Areas (NDA) established for Three Bays and Centerville River. Barnstable Harbor data included in the Cape Cod Bay NDA application.	Start work on South Side Data for the Nantucket Sound NDA application.
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.	Complete Hyannis Harbor/Lewis Bay WQ and TMDL Reports. Two more data years for Barnstable Harbor WQ Report

7a. Additions

7b. WLA Assessment