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

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Robert A. Burgmann, P.E.
Town Engineer

April 29, 2005

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

Dear EPA:

Second 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

MAY - 4 2005

Municipality/Organization: **Barnstable DPW**

EPA NPDES Permit Number: **MAR 041090**

MaDEP Transmittal Number: **W-**

Annual Report Number & Reporting Period: **No. 2: March 04-March 05**

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:

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 Commision 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 & 2 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 3
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 Meeting was held on 4/26/04 to discuss 2003 water quality results from the MEP. Public Meeting is scheduled for 5/16/05 to discuss 2004 MEP results. Results to date show that SW is less than 10% of the nutrient loading.	The Town will convene a Citizens Advisory Committee to provide guidance on solutions to water quality issues including stormwater runoff.
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.	
Revised					
Revised					
Revised					
Revised					

1a. Additions

2. Public Involvement and Participation

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 1&2 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 3
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 four summers. Citizens have installed storm drain markers. A PPT presentation was developed for CZM NonPoint Source Pollution Program participation. Particpated 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 3 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					
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&2 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 3
3-1	Storm Drain Mapping	DPW/GIS	Map Drains & Outfalls	Most of Hyannis has been mapped.	Senior Environmental Corps is completing Hyannis and will start mapping the rest of Town.
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&2 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 3
4-1	Conservation Commission Review	ConCom	Complete Review	No review of existing wetland bylaw conducted yet.	Complete review.
Revised					
4-2	Subdivision Regulation Review	Planning Board	Complete Review	No review of existing subdivision regulations and zoning bylaws conducted yet.	Complete review.
Revised					
4-3	Zoning Bylaw Review	DPW/Eng	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&2 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 3
5-1	Conservation Commission Review	ConCom	Complete Review	No review of existing wetland bylaw conducted yet.	Complete Review
Revised					
5-2	Subdivision Regulation Review	Planning Board	Complete Review	No review of existing subdivision regulations and zoning bylaws conducted yet.	Complete Review
Revised					
5-3	Zoning Bylaw Review	DPW/Eng	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&2 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 3
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&2 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 3
7-1	Storm Drain Mapping	DPW/GIS	Map Drains & Outfalls	Most of Hyannis has been mapped.	Senior Environmental Corps completing Hyannis and will start mapping the rest of Town.
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