

Municipality/Organization: Barnstable DPW

EPA NPDES Permit Number: MAR 041090

MassDEP Transmittal Number:

Annual Report Number

& Reporting Period: No. 15: April 1, 2017 – March 31, 2018

NPDES PII Small MS4 General Permit Annual Report (Due: May 1, 2018)

Part I. General Information

Contact Person: Dr. Dale Saad,

Title: Senior Project Manager

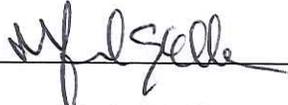
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Certification:

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: Mark S. Ells

Title: Town Manager

Date: April 23, 2018

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 identification & elimination, water quality monitoring, outfall mapping, coastal discharge mitigation, shellfish sanitary surveys, and participation in the Massachusetts Estuary Project (MEP) and the Cape Cod Commission 208 Plan. The Town is focused on the training of staff in chemical handling/application, assessment and handling with environmental issues.

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 15 (Reliance on non-municipal partners indicated, if any)	Planned Activities – New Permit Year 1
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 like flyer for “Get your mind in the gutter”. Develop additional Stormwater Walking Tours for other areas in Town.
		DPW		Stormwater Walking Tour for the village of Cotuit was developed and is in use with the assists of APCC.	

1-2	Public Meetings Inside Barnstable Town Government - Citizens' Leadership Academy (CLA)	DPW	Hold Meeting(s) CLA Informational meetings, perform annually.	Public Meetings were held to discuss water quality results from Barnstable Harbor MEP report, Action Plan for Ponds and Coastal Resources Management, and CWNMP updates. Video available on Town Web Site for CAC/ WRAC meetings CLA was held again.	Continue meetings to provide information on water quality with live TV and video available on line. Continue CLA with updated information.
Revised	Three Bays Green Infrastructure (GI) Stormwater Program	DPW	Continue meetings and training for Private citizens and DPW staff about GI	-----	
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, and Household Hazardous Waste Collections	Maintain and update the posting. Increase use of the "The Barnstable Bulletin.
Revised	<i>Home front page web button development</i>	DPW/PHD/ConCom	Develop web button and people using site.		Update information and useful links on the Town web 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. Having problems contacting "Stormy" handlers	Request use of "Stormy" for more events in Town. Having problems contacting "Stormy" handlers
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 and repair older boards.
1-6	Signage at Stormwater GI sites	DPW	Place signage at GI sites	Just starting to develop the signage for the new GI sites	Continue to work on signage at GI sites to educate the public and town staff.

2. Public Involvement and Participation

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 15 (Reliance on non-municipal partners indicated, if any)	Planned Activities – New Permit Year 1
2-1	Stormwater Group	DPW	Committee works to improve water quality throughout the Town.	Committee working on water quality issues that include stormwater, and moving the 208 Plan forward.	Continue to improve the Towns waters which includes; lakes/ponds, estuaries, drinking water and other water issues.
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 15 summers.	Continue the sampling program, storm drain markers program, and participation in public education events including school stormwater curriculum.
Revised	Citizen Stormwater BMP Systems Care	DPW	Private Groups (BARs, Cotuit Garden Club, etc.) watering new plants in BMP systems	Private Groups caring for Stormwater systems by watering new plants.	Continue working with private groups on the care of GI systems.
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 part of the MEP. Sanitary Surveys work has continued with DMF	All programs described will continue.

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 Con Com for the clean up of beaches and town landings for the 30 th 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 a Spring cleanup.

3. Illicit Discharge Detection and Elimination

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 15 (Reliance on non-municipal partners indicated, if any)	Planned Activities – New Permit Year 1
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. BETA updating maps as needed	Town mapping will continue and update maps and data base as needed.
3-2 Revised	Illicit Discharge Identification	DPW/PHD	Document Illicit Connections	During construction of roadways improvements, funded by the Town Capital Plan, illicit dischargers are addressed. 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 and removing illegal discharges
3-4 Revised	DPW Training – DPW Safety Officer	DPW/PHD DPW	Conduct training Conduct training and keep records for the training and what additional training is needed.	Continued live training and using the taped training session from the Town co-sponsored DPW Environmental Compliance Training/Project Storm. Establish O/M training for new GI systems	Continue DPW training by newly hired Safety Officer for chemical handling. Continue to conduct training as needed for O/M of GI systems as they are built.
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

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4. Construction Site Stormwater Runoff Control

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 15 (Reliance on non-municipal partners indicated, if any)	Planned Activities – New Permit Year 1
4-1	Conservation Commission Review	Con Com	Complete Review	Review of existing wetland bylaw completed.	Review and update as needed.
Revised		Con Com/DPW	Conservation Staff gives training to DPW staff.	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/Planning & Development	Complete Review	Reviewed Conducted	Review and update as needed.
Revised					
4-3	Zoning Bylaw Review	Growth Management/Planning & Development	Complete Review	Review Conducted	Review and update as needed.
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 15 (Reliance on non-municipal partners indicated, if any)	Planned Activities – New Permit Year 1
5-1	Conservation Commission Review	Con Com	Complete Review	Review of existing wetland bylaw.	Review and update as needed.
Revised					
5-2	Subdivision Regulation	Growth Management/Planning & Development	Complete Review	Reviewed existing subdivision regulations in the GIZ and WP	Review and update as needed.
Revised					
5-3	Zoning Bylaw Review	Growth Management/Planning & Development	Complete Review	Review of the Site Plan Review process conducted in the GIZ and WP	Review and update as needed.
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 15 (Reliance on non-municipal partners indicated, if any)	Planned Activities – New Permit Year 1
6-1	DPW Policy Guide	DPW	Complete Guide	Spill Plan (SPCC) posted at all divisions. 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, monthly 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 Staff gives training to DPW staff.	Continue to file as needed, also report any work to Con Com if near resource area.
Revised					
6-4	Catch Basin Cleaning	DPW	This year focused on primary and secondary public road catch basins cleaning	Approximately 1,815 catch basins were cleaned this year.	Continue to clean catch basins and reducing load.
Revised					
6-5	Street Sweeping	DPW	Sweep all town main public roads annually. Using Salt and De-icing Agent to replace sand reducing load to the roadways, lessened amount of sweeping and CB cleaning required.	Goal met. All town main roads are swept annually. Downtown Hyannis village roads are swept on average 2 times during the season. Using the Towns' Weather Station, roadways are pretreated with deicing liquid before storms with modified spreaders. This reduced sand use to zero.	Continue to sweep public roads and using all methods available to the Town to lessen loading to the town main roadways and catch basins.
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 15 (Reliance on non-municipal partners indicated, if any)	Planned Activities – New Permit Year 1
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. Update new tracking system and order additional sections.
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/MEA DPW/Hy-Line/Steamship Authority/MEA	Whole Town NDA Upgrade pumpout systems as needed.	Work on O/M and plan for upgrading of pumpout systems.	Continue to work on O/M and plans for upgrading pumpout systems as needed. Work on signage replacement.
7-4 Revised	Mass Estuaries Project (MEP)	DPW/CAC	Complete MEP	Three Bays, Rushy Marsh, Centerville River /East Bay and Lewis Bay/Halls Creek WQ Reports and TMDL Reports completed. Draft WQ Report done for Barnstable Harbor area.	Continue working on Barnstable Harbor TMDL Report with DEP/SMASST.

7a. Additions

7-5	Cape Cod Water Protection Collaborative & Cape Stormwater Managers	DPW	Solve issues and receive funding for county wide program.	Working together with other Towns to solve problems and seek funding	Continue to work with county wide groups on water issues.

7b. WLA Assessment

Part IV. Summary of Information Collected and Analyzed

The Town of Barnstable is one the Massachusetts communities to have nitrogen-loading thresholds completed as part of the MADEP's Massachusetts Estuaries Project. The thresholds developed are continuing to be incorporated into the town-wide Comprehensive Water and Nutrient Management Program as part of the 208 Plan, which deals with all forms of water from waste, drinking, ground, surface and storm water.

Part V. Program Outputs & Accomplishments (OPTIONAL)