

Municipality/Organization: Town of Eastham, MA
EPA NPDES Permit Number: MAR041110
MassDEP Transmittal Number: W- 040891
Annual Report Number Year 7
& Reporting Period: April 1, 2009 – March 31, 2010

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**NPDES PII Small MS4 General Permit
Annual Report
(Due: May 1, 2010)**

Part I. General Information

Contact Person: Sarah Raposa **Title:** Town Planner

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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: Sheila Vanderhoef

Printed Name: Sheila Vanderhoef

Title: Town Administrator

Date: April 23, 2010

Part II. Self-Assessment

The Town of Eastham has completed the required self-assessment and has determined that our municipality is in compliance with all permit conditions.

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 7 (Reliance on non-municipal partners indicated, if any)	Planned Activities
1.1 Revised	Educational Brochures New brochures educate the public about proper disposal of medical waste and prescription medication	DPW, Health	Development of Brochures	Updated brochures; disseminated brochures concerning hazardous waste disposal days. Continued to coordinate with Cape Cod Commission on informational campaign.	Continue to update educational brochures as new information arises; provide information on hazardous waste disposal days.
1.2 Revised	Mailings to Homeowners http://www.eastham-ma.gov/Public_Documents/EasthamMA_Health/index_septic_pumping_brochure	Health	Distribution of Brochures	Homeowner mailings regarding importance of septic system maintenance.	Continue annually. 3,517 mailings have been sent in 2010
1.3 Revised	Stormwater Video Informational messages from: " <i>10 Things You Can Do to Prevent Stormwater Runoff Pollution</i> "	Planning/ Administration	Airing on Local Cable TV	Channel 18 available for local broadcast.	Air local stormwater educational video. Video and other environmental education DVDs.
1.4 Revised	Coastal/Pond Clean-up	ConCom, DPW	Conducting Clean-up	Private owners clean pond areas and test fresh water. DPW cleans as necessary. Mutt-mitt project for dog waste has been implemented and continued.	DPW continues to clean up as necessary. Possible expansion of mutt-mitt program to other areas of town. Review pond report from CCC:

1.5	Office Brochure	NR, DPW, Planning	Availability of Brochures	<p>Brochures with local contact information corresponding with 1.1 displayed in NR, DPW, and Town Hall.</p> <p>Distribute educational materials from Cape Cod Water Protection Collaborative or Massachusetts Estuaries Project.</p> <p>Updated brochures; disseminated brochures concerning hazardous waste disposal days.</p> <p>Continued to coordinate with Cape Cod Commission on informational campaign.</p>	<p>Continue to update brochures and informational/educational brochures in Year 7, including information on fertilizers and other potential contaminants.</p> <p>Review grant-funded Pleasant Bay Watershed Management Plan for cross-applicability.</p> <p>Continue strategies to reduce TMDLs as required in Draft Mass Estuaries Report for Rock Harbor.</p> <p>Continue to update educational brochures as new information arises; provide information on hazardous waste disposal days.</p>
Revised					

1a. Additions

1.6	<p>Post information on Countywide Rain Barrel Distribution Program</p> <p>http://www.eastham-ma.gov/Public_Documents/EasthamMA_Planning/rainflyer10.pdf</p>	DPW, NR, Planning	Availability of rain barrels	Disseminate information from the Cape Cod Groundwater Guardian Team	Continue indefinitely
1.7	Beach Signage	Health	Development of Signage	New signage at every marine & freshwater beach to enforce compliance with state beach regulations, noting contact info, testing data and periods of testing.	Continue indefinitely

2. Public Involvement and Participation

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 7 (Reliance on non-municipal partners indicated, if any)	Planned Activities
2.1	Stormwater Management Program	NR, DPW, ConCom, Planning, Health, WMC	Development of Program, including prioritization of sites	Program has been developed and sites have been identified. Catchbasins and discharge pipes have been mapped in GIS database, based on paper maps. http://www.eastham-ma.gov/Public_Documents/EasthamMA_Planning/NPDES/Maps/	Use GPS to collect lat/long coordinates of stormwater infrastructure.
Revised	<i>Map updated September 2009; Priority outfall maps prepared and posted</i>				
2.2	Pollution Reporting	NR, DPW, Pond Stewards	Visual Monitoring / Recording	Obtaining quotes for GPS equipment Continue routine monitoring of marine areas conducted by NR staff 5 times per week, daily monitoring of drainage system/road network by DPW, and monitoring of fresh surface waters by Eastham Pond Stewards. Monitoring capabilities augmented for summer months in Rock Harbor (marina) by seasonal employee. NR monitoring of Town Cove bacteria levels with MA Division of Marine Fisheries.	Continue with monitoring as described; receive report from Cape Cod Commission's monitoring efforts for action. Pond Report implementation strategies reviewed. http://www.barnstablecountyhealth.org/bseastham.htm
Revised					

2a. Additions

2.3	Volunteer Corp "HOGS & FROGS" Helping Out Growing Shellfish & Friends Revitalizing Our Green Spaces	NR	Development of Program	A volunteer group to help assist with shellfishing and maintaining conservation areas. Assisting in shellfish proliferation and preserving environmental integrity	Continue indefinitely http://www.eastham-ma.gov/Public_Documents/EasthamMA_Resources/Volunteers
2.4	Pond Associations	NR, Health	Development of Associations	Private associations dealing with issues such as nutrient loading and eutrophication	Continue indefinitely

3. Illicit Discharge Detection and Elimination

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 7 (Reliance on non-municipal partners indicated, if any)	Planned Activities
3.1 Revised	Map Outfalls	NR, DPW	Comprehensive Map GIS/GPS	Program has been developed and sites have been identified.	Refine and enhance source point/waterways map. Identify areas of poor drainage.
3.2 Revised	Detection of Non-Stormwater Discharge	NR, Health	Correction of Discharges	Continue to identify no stormwater discharges and remedy situations as they arise, depending on the source of the discharge	Continue project indefinitely. Update map.
3.3 Revised	Dry Weather Flow Screening	NR, Health	Screening Testing; Correction of Discharges	Incorporate dry weather flow screening into the routine monitoring of marine areas conducted by NR staff 5x per week spring through fall.	Continue project indefinitely.
3.4 Revised	Reporting Line	NR, DPW, Fire	Establishment of Line	Line established and maintained for NR and DPW to report any inappropriate inputs to the MS4. Reports involving oil or hazardous waste is reported to the Fire Dept, and MA DEP.	Illicit Discharge and Detection Hotline established. http://www.eastham-ma.gov/Public_Documents/EasthamMA_BBoard/1022B6F8
3.5 Revised	Hazardous Product Collection	Health, DPW, Recycling	Conducting Collection Day	Hazardous waste collection days schedules for July 17, 2010 and September 18, 2010. Program has been developed and sites have been identified.	Continue project indefinitely. Continue project indefinitely.

3a. Additions

3.6	Outfall Elimination	DPW	Reduction of outfalls contributing to bodies of water	Apply for grant funding through MA Office of Coastal Zone Management and Cape Cod Water Resources Project	Continue indefinitely (Ellis Road and Herringbrook Road)
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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 7 (Reliance on non-municipal partners indicated, if any)	Planned Activities
4.1 Revised	Draft Construction Site Runoff Control Bylaw	Planning	Develop Bylaws	Draft bylaw proposed by Planning Board for adoption at Town Meeting (May 2010) http://www.eastham-ma.gov/Public_Documents/EasthamMA_Planning/LegalNotices/ForATM2010/MLU_Form7_02-18-10_PBNotice.pdf	Implement bylaw
4.2 Revised	Enact Construction Site Runoff Control Bylaw	ConCom, Planning, Town Meeting	Implement Bylaw	Continue to discuss the creation of a bylaw to be incorporated into local wetland control bylaw and local subdivision rules and regulations.	Continue to work on the development and implementation of bylaws. There is a policy, but not a bylaw.
4.3 Revised	Sand Nourishment	ConCom	Regulations	Continuation of goal for better compliance and quality of sand. NR agent frequently meets with applicants.	Homeowners required to do sand nourishment must do so with sand of comparable grain size to what is natural with no debris.
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 7 (Reliance on non-municipal partners indicated, if any)	Planned Activities
5.1 Revised	Draft Construction Site Runoff Control Bylaw	ConCom,	Develop Bylaws	Continue to discuss the creation of a bylaw to be incorporated into local wetland control bylaw and local subdivision control rules and regulations.	Continue to work on the development and implementation of a bylaw. Review bylaw for adoption at town meeting for ConCom. Continue “Limit of Work” in Order of Conditions for project as well as use haybales &/or silt fence until area is stabilized.
5.2 Revised	Amend Site Plan Review	Planning	Bylaw	Continue to discuss the creation of a bylaw to be incorporated into local zoning bylaw.	May not be necessary in Year 8 if proposed bylaw is adopted at ATM 2010.
5.3 Revised	Enact Construction Site Runoff Control Bylaw	ConCom, Planning, Town Meeting, Bd. Of Highway Surveyors	Implement Bylaw	Continue to discuss the creation of a bylaw to be incorporated into local wetland control bylaw and local subdivision rules and regulations.	Continue to work on the development and implementation of bylaws. There is a policy, but not a bylaw.
Revised					

5a. Additions

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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 7 (Reliance on non-municipal partners indicated, if any)	Planned Activities
6.1 Revised	Annual Training	NR, DPW, Planning, Fire, Health	Training Session	Annual training on best practices for pollution prevention and mitigation	Annual training for worker safety, attend educational workshops for employees or public given by CCC or WBNERR etc. Continue indefinitely.
6.2 Revised	Review of Town Properties	DPW, Building Maintenance	Monitor and Correct Problems	Determined monitoring areas	
6.3 Revised	Review of Town Operations	DPW, Facilities Manager	Monitor and Correct Problems	Pollution Prevention Control	Ongoing project
6.4 Revised	Catchbasin Cleaning	DPW	Updated Log	Clean all town-owned catchbasins in spring and fall 2009	Clean all town-owned catchbasins in Spring and Fall 2010
6.5 Revised	Street Sweeping	DPW	Record areas swept	Sweep all town-owned roadways and parking lots in spring and fall 2009	Sweep all town-owned roadways and parking lots in Spring and Fall 2010
6.6 Revised	Remediation of existing outfall	DPW	Elimination of stormwater discharge	One discharge site identified: Cole Road	Complete design and permitting
6.7 Revised	Drainage Alterations	DPW	Catchbasin Replacement	Catchbasins identified for replacement or closure.	Continue project indefinitely. Incorporate green infrastructure in at least 1 location
6.8 Revised	Fuel Tanks	Fire	Fuel Tank Removal	Two fuel tanks removed	Removal of underground fuel storage tanks at Police Department scheduled
6.9	Flooding Remediation	DPW	Construction of Detention pond	Brackett Road stormwater design	Ensure compliance

Revised							
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6a. Additions

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7. BMPs for Meeting Total Maximum Daily Load (TMDL) Waste Load Allocations (WLA) <<Not applicable>>

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 7 (Reliance on non-municipal partners indicated, if any)	Planned Activities
Revised					
Revised					
Revised					

7a. Additions

7b. WLA Assessment