Municipality/Organization:	Town of Cohasset
EPA NPDES Permit Number:	MA041032
MaDEP Transmittal Number:	**W-041051**
Annual Report Number & Reporting Period:	**#2 April 04 – March 05**

NPDES PII Small MS4 General Permit Annual Report

JUN 17 2005

Part I. General Information

Contact Person: Dr. Joseph R. Godzik, VMD Title: Health Agent

Telephone #: 781-383-4116 Email: boh@townofcohasset.org

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: Dr. Joseph R. Godzik, VMD

Title: Health Agent

Date: April 25, 2005

Part II. Self-Assessment

Stormwater issues have not played a prominent role in Cohasset this past year. However, the Water Resources Protection Committee was reactivated by the Selectmen and they have been active in stormwater related issues. Their primary focus was on lawn care with emphasis on a voluntary educational program for the entire Town. In this regard the Committee adopted the Green Scapes Program developed by the North and South Rivers Watershed Association. Five thousand dollars was approved at the Special Town Meeting in December to fund the program.

Implementation

Since the Committee was only reactivated in the summer of 2004, and their forces was on getting the lawn care initiative started, they have not yet taken over the role of stormwater management in general. The Committee is composed of representatives of various Town boards who provide public education and outreach through their organizations. The Gulf Association has held informational meetings in which stormwater issues play a prominent role. Students participating in programs of the Center for Student Coastal Research (CSCR) continue to provide data relating to Cohasset Harbor, Little Harbor and the Gulf River. A report "Study of Sources and Trends of Pollution in Cohasset's Little Harbor", (Aug 2004) looked at fecal coliform sources in an effort to provide data to help reduce the total load and bring the Little Harbor waters into compliance with the TMDL for fecal coliforms. Student participation in the volunteer monitoring program has been excellent. Students at the CSCR are now capable of performing the following water quality tests: fecal coliform; enterococci; total suspended solids, dissolved oxygen, salinity, nitrates, temperature and pH. As data accumulates, they will provide a focus for mitigation and remediation efforts. The Adult monitoring volunteer program has not fared so well. There is essentially no adult volunteer monitory corps at this time.

Officials from the Town met with representatives of the Scituate Board of Health and Department of Public Works to discuss impacts from Scituate on the Gulf River. Most of the impacts are sewage related. But since some septic systems appear to be connected to the stormwater system there appear to be some point sources of pollution. Water Quality monitoring helped pinpoint these sources. The North Scituate Village area which is the source of the discharges is scheduled to be sewered in Phase 4 of Scituate's sewering program. It is not clear what plans Scituate has in the interim.

The Board of Health drafted Constructed Site Runoff Control and Post-Construction Stormwater Management by-Laws for the Annual Town Meeting in March 2005. These were withdrawn at Town Counsel's request. The Town Manager has committed to getting the appropriate town board or commission to enforce the by-laws. They will be revised and presented at the next annual town meeting.

Connectivity mapping between catch basins and outfalls has not progressed. Again a budget request for an additional 0.25 FTE for the Department of Public Works did not make it into the budget. All departments saw reductions in their budgets in an effort to reduce or eliminate any Proposition 2 ½ override. The Peppermint Brook remediation project was designed and put out to bid. Construction should being in the summer of 2005.

The Board of Health is planning to initiate a request for a Coastal Pollution Remediation grant to improve the Cohasset DPW plan for catch basin maintenance as a part of its upgrade of structures in Little Harbor. Specifically, the DPW hopes to carry out better oversight of its catch basin condition reporting as a part of its maintenance program, together with upgrading stormwater structures in the Little Harbor Watershed.

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 2 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 3
	Health Notes to Cohasset Mariner	BOH – Steve Bobo	Phone calls relating to the article	Continue with articles.	Continue with articles
Revised					
	Information Mailing	Water Commission	Households Reached	No mailing in first year	Mailing planned for next quarterly water bill.
Revised					
Revised					
Revised					

1a. Additions

	Utilize local groups	BOH Steve Bobo and CMHS Faculty	Attendance at related meetings	Closer associations have been made with garden clubs; Student Center for Coastal Research and Gulf Association	Expand stormwater related programs

2. Public Involvement and Participation

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 2 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 3
	Volunteer Monitoring Program Water Quality	BOH Steve Bobo and CHS Faculty	Reports on water quality	Continued sampling and added enterococci testing and total suspended solids. Fecal coliform study of Little Harbor was completed.	
Revised					
	Collect samples from stormdrain outfalls after storm events	BOH CHS Faculty	Reports on water quality	Students from CSCR collected a few samples from outfalls going into the Gulf River and Little Harbor and tested for TSS and fecal coliform.	Increase number of locations sampled and frequency of sampling.
Revised					
Revised					
Revised					
Revised					
Revised					

2a. Additions

	Green Scapes Program	Water Resources Protection Committee, James Kinch, Chairman	Number of participants	Program to start in Year 3.	Continue Program

3. Illicit Discharge Detection and Elimination

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 2 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 3
	Connectivity Mapping	DPW Carl Sestito	Complete field form. Put information into GIS catch basin and outfall mapping	No progress	Attempt to get additional 0.25FTE to perform the work.
Revised					
	Illicit Connection Regulation	BOH Steve Bobo	Number of connection reported and removed	One report of sewer connected to storm drain removed.	Continue to enforce Regulation
Revised					
Revised					
Revised					
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 2 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 3
	Bylaw Development	BOH Steve Bobo	Adoption of Bylaw / Regulation	Effort to incorporate elements into Conservation Commission Regulations. From recommendation by Town Counsel	Get regulations adopted.
Revised					
Revised					
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 2 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 3
Revised	Bylaw development	BOH Steve Bobo	Adoption of bylaw	Effort to incorporate elements into Conservation Commission Regulations. From recommendation from Town Counsel	Get regulations adopted
Revised					
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 2 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 3
	Stormwater BMP for Peppermint Brook	Water Commission John McNabb	BMP's development construction progress	Request to MADEP to extend the award for the project to July 31, 2005	Construct the project over two fiscal years.
Revised					
	Catch basin cleaning and maintenance	DPW Carl Sestito	Number of catch basins cleaned.	Catch basin cleaning is on going.	Continue cleaning.
Revised					
	Develop signage for catch basins and other infrastructure	Water Resource Protection Commission, James Kinch, Chairman	Number of catch basins signed	None	Develop signage and label catch basins.
Revised					
Revised					
Revised					
Revised					

6a. Additions

	Street sweeping	DPW Carl Sestito	Number of streets swept	Street sweeping in spring	Continue street sweeping

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 2** (Reliance on non-municipal partners indicated, if any)	**Planned Activities – Permit Year 3**
Revised					
Revised				**INTENTIONALLY LEFT BLANK**	
Revised					
Revised					
Revised					
Revised					

7a. Additions

7b. WLA Assessment

Part IV. Summary of Information Collected and Analyzed

Part V. Program Outputs & Accomplishments (OPTIONAL)

Programmatic

Stormwater management position created/staffed	(y/n)	No
Annual program budget/expenditures	($)	0

Education, Involvement, and Training

Estimated number of residents reached by education program(s)	(# or %)	
Stormwater management committee established	(y/n)	Y
Stream teams established or supported	(# or y/n)	N
Shoreline clean-up participation or quantity of shoreline miles cleaned	(y/n or mi.)	
Household Hazardous Waste Collection Days		
▪ days sponsored	(#)	13
▪ community participation	(%)	

▪ material collected	(tons or gal)	
School curricula implemented	(y/n)	N

Legal/Regulatory

	In Place Prior to Phase II	Under Review	Drafted	Adopted
Regulatory Mechanism Status (indicate with "**X**")				
▪ Illicit Discharge Detection & Elimination				X
▪ Erosion & Sediment Control			X	
▪ Post-Development Stormwater Management			X	
Accompanying Regulation Status (indicate with "**X**")				
▪ Illicit Discharge Detection & Elimination				X
▪ Erosion & Sediment Control			X	
▪ Post-Development Stormwater Management			X	

Mapping and Illicit Discharges

Outfall mapping complete	(%)	100%
Estimated or actual number of outfalls	(#)	330
System-Wide mapping complete	(%)	0
Mapping method(s)		
▪ Paper/Mylar	(%)	0
▪ CADD	(%)	0
▪ GIS	(%)	100%
Outfalls inspected/screened	(# or %)	100%
Illicit discharges identified	(#)	0

Illicit connections removed	(#) (est. gpd)	0
% of population on sewer	(%)	40
% of population on septic systems	(%)	60

Construction

Number of construction starts (>1-acre)	(#)	10
Estimated percentage of construction starts adequately regulated for erosion and sediment control	(%)	10%
Site inspections completed	(# or %)	0
Tickets/Stop work orders issued	(# or %)	0
Fines collected	(# and $)	0
Complaints/concerns received from public	(#)	0

Post-Development Stormwater Management

Estimated percentage of development/redevelopment projects adequately regulated for post-construction stormwater control	(%)	0
Site inspections completed	(# or %)	0
Estimated volume of stormwater recharged	(gpy)	0

Operations and Maintenance

Average frequency of catch basin cleaning (non-commercial/non-arterial streets)	(times/yr)	
Average frequency of catch basin cleaning (commercial/arterial or other critical streets)	(times/yr)	
Total number of structures cleaned	(#)	
Storm drain cleaned	(LF or mi.)	

Qty. of screenings/debris removed from storm sewer infrastructure	(lbs. or tons)	
Disposal or use of sweepings (landfill, POTW, compost, recycle for sand, beneficial use, etc.)		
Cost of screenings disposal	($)	

Average frequency of street sweeping (non-commercial/non-arterial streets)	(times/yr)	
Average frequency of street sweeping (commercial/arterial or other critical streets)	(times/yr)	
Qty. of sand/debris collected by sweeping	(lbs. or tons)	
Disposal of sweepings (landfill, POTW, compost, beneficial use, etc.)	(location)	
Cost of sweepings disposal	($)	
Vacuum street sweepers purchased/leased	(#)	
Vacuum street sweepers specified in contracts	(y/n)	

Reduction in application on public land of: ("N/A" = never used; "100%" = elimination)		
▪ Fertilizers	(lbs. or %)	
▪ Herbicides	(lbs. or %)	
▪ Pesticides	(lbs. or %)	

Anti-/De-Icing products and ratios	% NaCl % $CaCl_2$ % $MgCl_2$ % CMA % Kac % KCl % Sand	
Pre-wetting techniques utilized	(y/n)	
Manual control spreaders used	(y/n)	
Automatic or Zero-velocity spreaders used	(y/n)	

Estimated net reduction in typical year salt application	(lbs. or %)	
Salt pile(s) covered in storage shed(s)	(y/n)	
Storage shed(s) in design or under construction	(y/n)	