Municipality/Organization: Town of BREWSTER

EPA NPDES Permit Number: MAR 041096

MaDEP Transmittal Number: W- 040679

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: Charles L. Sumner Title: Town Administrator

Telephone #: 1-508-896-3701 ext. 100 Email:

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: Charles L. Sumner

Title: Town Administrator

Date: April 26, 2005

Part II. Self-Assessment

Please see attached.

TOWN OF BREWSTER

DEPARTMENT OF PUBLIC WORKS

201 Run Hill Road
Brewster, Massachusetts 02631
Tel: 508-896-3212
Fax: 508-896-4540

Allan C. Tkaczyk
Superintendent

James D. Bearse
Foreman

EPA NPDES Permit number: MAR 041096

Part II: Self Assessment

The Town of Brewster remains in compliance with the NPDES Permit #MAR 041096.

Flyers have been creates for educating citizens on stormwater management and will be distributed with beach and transfer station bumper sticker passes.

The Town's web site is monitored and maintained as a hot line for reporting and subsequent enforcement of NPDES violations.

The Town is in the process of acquiring a handheld GPS instrument. With this piece of equipment all structures relating to stormwater management will be coordinated and become a layer in the town's mapping system.

A By-Law to make illegal any non-stormwater discharge to stormwater systems continues to be developed. Possible inclusion to warrant in November '05 Town meeting. Sampling for water quality is continuous. Water quality officer takes samples throughout the year from ponds, streams, embankments etc. and will trace the source of pollutant if any is found.

Work continues to amend language for By-Law controlling construction sites greater than one acre.

A post construction run-off By-law with inspection mechanisms is still being worked on by the Planning Board. It is hoped that these By-Laws will be presented in the Town's Annual Town Meeting in November '05.

All Public Works personnel are trained to recognize and report illicit connections to stormwater systems.

All systems are inspected annually by Public Works Personnel and cleaning is done by bid contract. Cleaning basins began April 25th for this year.

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
Revised	repeat info from year one	B.O.H. Nancy Ice	Biannual mailing	complete & progressing	create new materials
Revised					
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 2 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 3
Revised	Establish WEB page	Kathy Lambert	WEB page created	completed & continue to improve	refine
Revised					
Revised					
Revised					
Revised					
Revised					

2a. Additions

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
Revised	map stormwater assets	A. Tkaczyk DPW Super.	GPS info for ~~layer on town~~ map.	secure GPS equipment, coordinate all assets in progress.	get all assets on coordinate system.
Revised	By-Law prohibiting ~~illegal discharge~~	B.O.H. ~~Nancy Ice~~	get By-Law ~~passed~~	refine language	get By-Law passed at November Town meeting
Revised	detection of ~~illicit discharge~~	Nat. Res. ~~Robert Mant~~	detection & ~~elimination~~	continue testing and follow up.	continue program.
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
Revised	Revise develop plan review By-Law.	Planning Board E. Taylor	continue refining language.	in progress	proceed to conclusion.
Revised	Establish public input mechanism	Plan Board E. Taylor	in progress	working on language	proceed to conclusion.
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	Runoff By-Law	Planning Board E. Taylor	get By-Law voted	in progress	get passed at Town meeting.
Revised	Inspection	Proponent Engineer check by DPW	get By-Law passed	in progress	vote at Town meeting
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
Revised	Employee education	DPW Foreman J. Bearse	all personnel trained	on line	continue programs.
Revised	O & M schedule	DPW Foreman J. Bearse	annual cleaning	on line	continue program.
Revised					
Revised					
Revised					
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 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year
Revised	N/ A				
Revised					
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)	
Annual program budget/expenditures	($)	

Education, Involvement, and Training

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

Legal/Regulatory

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

Mapping and Illicit Discharges

Outfall mapping complete	(%)	
Estimated or actual number of outfalls	(#)	
System-Wide mapping complete	(%)	
Mapping method(s)		
▪ Paper/Mylar	(%)	
▪ CADD	(%)	
▪ GIS	(%)	
Outfalls inspected/screened	(# or %)	
Illicit discharges identified	(#)	
Illicit connections removed	(#) (est. gpd)	
% of population on sewer	(%)	
% of population on septic systems	(%)	

Construction

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

Post-Development Stormwater Management

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

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)	