Municipality/Organization: **Town of Dennis**

EPA NPDES Permit Number: **MAR041103**

MaDEP Transmittal Number: **W- 041145**

MAY 3
2006 JUN -9 A 12: 27

Annual Report Number & Reporting Period: **No. 1: March 03-March 04**

NPDES PII Small MS4 General Permit Annual Report

Part I. General Information

Contact Person: Joseph A. Rodricks Title: Town Engineer

Telephone #: 508-760-6145 Email: jrodricks@town.dennis.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: Robert V. Canevazzi

Printed Name: Robert F. Canevazzi

Title: Town Administrator

Date: April 29, 2004

Part II. Self-Assessment

The Town of Dennis has completed the required self-assessment and has determined that our municipality is in compliance with all permit conditions except for the following provisions:

Part I.C.1 Failed to report a storm water discharge from Leif Erickson Drive into Kelley's Bay (Bass River). Location has been prioritized for BMP implementation.

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 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 2
1.1	Provide literature & pamphlets	Natural Resource Officer- George MacDonald	Provide literature w/ off-road & shellfish permits	Brochures added to information tree in office and applicants directed to same.	Expand brochure selection.
Revised					
1.2	Provide Public awareness classes	Shellfish Officer A. Marcy	Provide Information to school children	No Action	Schedule lecture with Boy Scouts of America for Fall 2004 Hold public information meeting Spring 2005
Revised					
1.3	Provide Literature & Information	Town Engineer J. Rodricks	Provide Information booth at Chamber of Commerce Fair	Engineering Dept had posters and literature at it's booth in the May 3, 2003 Chamber Fair. Posted information and T.V. schedules for EPA sponsored Weather Channel Storm water Program [on Town's public access T.V. channel and website.	Post information on new Department of Public Works web page.
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 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 2
2.1	Sponsor & Advertise Household Haz. Waste Collection	Board of Health	Encourage proper disposal of hazardous materials	Household Haz. Waste Collection Day held Sept. 13, 2003	Household Haz. Waste Collection Day to be held Sept. 11, 2004
Revised		Terry Hayes			
2.2	Volunteer Coast Sweep	CZM/Natural Resource Officer- Brian Malone	Annual Beach Cleaning	Coastal Sweep program conducted on three Town beaches September 20 & 21, 2003.	Repeat & expand Coastal Sweep in September 2004
Revised					
2.3	Pet waste management	Animal Control Officer- Cheryl Malone	Provide disposal mitts and waste receptacles at Town Beaches	Disposal mitts and waste receptacles provided at two Town beaches.	Seeking funds to place mitts and receptacles at remaining Town beaches
Revised			Create "Waste Disposal" By-law	Dog Waste Disposal By-Law created.	Order and install signs on Town Beaches relative to Dog Waste Disposal fine.
2.4	Proper Disposal of Boat Septic Storage Tanks	Harbor Master-	Notify Boat Owners annually	Flyer mailed to slip and mooring owners listing pump out facilities.	List of pump out facilities and benefit to environment information to be included in the Dennis Harbor "Scuttlebutt" newsletter published in December.
Revised		Ed Tierney			
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 1 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 2
3.1	Identify Discharge and Map Discharges	Town Engineer-Joseph Rodricks	Identify & prioritize	Bass River and Kelley's Bay surveyed, outfalls cataloged and prioritized for implementation. Town purchased aerial photography and limited aerial planimetric showing catch basins and outfalls (90%)	Develop BMP for highest prioritized locations on Bass River and Kelley's Bay. Locate remaining basins and outfalls in field with GPS receiver and add to planimetric.
Revised					
3.2	Notify Owners of Violation eliminate using BMP	Town Engineer Joseph Rodricks	Identify & eliminate all known discharges.	Informed various Departments and Agencies in method of detection.	Continue monitoring and data accrual and issue advisories as needed.
Revised					
3.3	Enforcement Agency	Police Chief J. Symington	Enforcement of Sate Illegal Disposal Law	Assisted DPW with the investigation and mitigation of two illegal discharge locations.	Add literature and information on illegal activities to Department web site.
Revised		Acting Chief W. Monahan			
Revised					
Revised					
Revised					

3a. Additions

4. Construction Site Storm Water Runoff Control

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 1 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 2
4.1	Propose By-law	Dennis Selectmen-Donald Trepte, Chairman	Storm water & erosion control Standards & Enforcement	Research and review by-laws and literature from other communities with existing by-law.	Establish committee with charge to develop storm water management by-law.
Revised	*Storm water management By-Law*				
4.2	Order of Conditions	Conservation Commission-Donald Waldo Chairman	Eliminate Runoff & erosion during construction.	Issued Orders of Conditions for 13 dwelling construction projects with no discharge allowed. One site pending appeal.	Continue to require the elimination of any storm water runoff.
Revised					
4.3	Subdivision Rules & Regulations	Planning Board W. Murray, Chairman	Eliminate runoff & erosion during construction.	Monitored subdivision plans for possible storm water runoff. No action required.	Continue monitor and prevention.
Revised					
Revised					
Revised					
Revised					

4a. Additions

5. Post-Construction Storm Water Management in New Development and Redevelopment

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 1 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 2
5.1	Propose By-Law	Board of Selectmen-Donald Trepte, Chairman	Storm water & Erosion Control Standards & enforcement	Research and review by-laws and literature from other communities with existing by-law.	Establish committee to draft By-law for review by appropriate agencies and departments.
Revised					
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 1 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 2
6.1	Street sweeping/ basin cleaning/ roadside mowing	DDPW Superintendent-D. Johansen	Maintenance of Drainage	Increased catchbasin cleaning frequency by funding training and hoisting licensing for additional Department employees.	Purchase of second sweeper.
Revised					
6.2	Existing enclosed salt storage.	DPW Superintendent D. Johansen	Exposure reduction	Shed capacity holds all salt & salt/sand mix.	Develop sand & salt spreading policy. Provide employee training on calibration of salt/sanding equipment.
Revised					
6.3	Regular vehicle maintenance	DPW Superintendent-D. Johansen	Exposure reduction	Tracking and scheduling of routine maintenance improved by administrative directives.	Institute a computerized maintenance program and develop maintenance policy.
Revised					
6.4	Existing enclosed vehicle storage & wash bay.	DPW Superintendent-D. Johansen	Exposure reduction	Erected additional sheds and lean-to necessary to house all misc. construction equipment.	
Revised	*Schedule weekly vehicle cleaning & assessment.*				Develop policy for daily vehicular maintenance.
6.5	Invite NEIWPCC to speak	DPW Superintendent-D. Johansen	Provide information to employees		
Revised	*Employees education*		Exposure reduction.	Foreman & crew leaders attended salt use seminar sponsored by UMASS/Bay State Roads program.	Enroll employees into seminars and demonstrations promoted by Bay State Roads and other organizations as they are scheduled.
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 1 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 2
7.1	Installation of leaching drainage systems	DPW Superintendent D. Johansen	Exposure reduction	One system installed on Cove Road (Bass River) and one on Loring Avenue (Bass River) and Depot Street (Swan River).	Installed one system on Aunt Debby's (Swan River)
Revised					
7.2	Water quality sampling	DMF/Natural Resources- Alan Marcy	Ensure water quality	Water quality samples taken in Quivet Creek area to determine pollution source (human or other)	Continue and refine sampling program.
Revised					
7.3	Use compost material to stabilize shoulders	DPW Superintendent- D. Johansen	Erosion control	No action taken in pertinent areas.	Continue and improve slope stabilization where necessary.
Revised					
7.4	Coastal Pollutant Remediation Program	Town Engineer J. Rodricks	Exposure Reduction and/or elimination	Town was awarded funds from Mass CZM fir assessment, and design of BMP's on Bass River and Kelley's Bay	
Revised					
7.5	Weekly Water Sampling of Beaches	Town Health Director	Ensure water quality	Samples taken and tested weekly, first week of June through the Labor Day Weekend. Additional tests taken on days of 1" or greater rainfall. During summer of 2003 four beaches were closed a total of 6 days.	Repeat testing program.
Revised	*Water sampling o beaches during summer weeks.*	Terry Hayes			
Revised					

7a. Additions

7b. WLA Assessment

The Town had identified the Bass River and Kelley's Bay area as the highest priority for immediate implementation of BMPs. The Towns of Yarmouth and Dennis were awarded a joint grant ($102,000) for survey and assessment of all outfalls into these water bodies and the design of mitigation measures for the highest prioritized locations. Additionally, the Department of Public Works has continued it's program of identifying and mitigating potential up-gradient pollution sources.

Part IV. Summary of Information Collected and Analyzed

Water quality testing of Town beaches during the months of June, July and August 2003, resulted in 6 days of beach closures.

Water quality testing of Quivet Creek as a follow-up to Optical Brightening tests revealed that illegal discharges are present in the system. The Board of Health and Natural Resource Department are working together to determine the source.

Part V. Program Outputs & Accomplishments (OPTIONAL)

Programmatic

Storm water management position created/staffed	(y/n)	No
Annual program budget/expenditures	($)	$80,000

Education, Involvement, and Training

Estimated number of residents reached by education program(s)	(# or %)	10 %
Storm water management committee established	(y/n)	No
Stream teams established or supported	(# or y/n)	No
Shoreline clean-up participation or quantity of shoreline miles cleaned	(y/n or mi.)	1.5 mi
Household Hazardous Waste Collection Days		
▪ days sponsored	(#)	2
▪ community participation	(%)	355 persons
▪ material collected	(tons or gal)	4,705 gal
School curricula implemented	(y/n)	No

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	(%)	10 %
Estimated or actual number of outfalls	(#)	55
System-Wide mapping complete	(%)	10 %
Mapping method(s)		
▪ Paper/Mylar	(%)	20 %
▪ CADD	(%)	10 %
▪ GIS	(%)	10 %
Outfalls inspected/screened	(# or %)	17
Illicit discharges identified	(#)	2
Illicit connections removed	(#) (est. gpd)	2 unknown
% of population on sewer	(%)	0 %
% of population on septic systems	(%)	100 %

Construction

Number of construction starts (>1-acre)	(#)	13
Estimated percentage of construction starts adequately regulated for erosion and sediment control	(%)	100
Site inspections completed	(# or %)	13
Tickets/Stop work orders issued	(# or %)	0
Fines collected	(# and $)	0
Complaints/concerns received from public	(#)	0

Post-Development Storm Water Management

Estimated percentage of development/redevelopment projects adequately regulated for post-construction storm water control	(%)	0 %
Site inspections completed	(# or %)	13
Estimated volume of storm water recharged	(gpy)	0 %

Manual control spreaders used	(y/n)	y
Automatic or Zero-velocity spreaders used	(y/n)	y
Estimated net reduction in typical year salt application	(lbs. or %)	0%
Salt pile(s) covered in storage shed(s)	(y/n)	y
Storage shed(s) in design or under construction	(y/n)	n