Town of Dennis

Department of Public Works
Engineering Division

120 Theophilus F. Smith Rd. • South Dennis, MA 02660-3413
508-760-6166 • Fax 508-760-6233

MAY 17 2005
~~2004~~

May 13, 2005

U.S. Environmental Protection Agency
Water Technical Unit
P.O. Box 8127
Boston, MA 02114

Massachusetts Dept of Environmental Protection
Division of Watershed management
627 Main Street
Worcester, MA 01608

To Whom It May Concern:

Enclosed please find a copy of the Town of Dennis Annual Report for the NPDES Phase II Small MS4 General Permit for the period of March 04 to March 05 signed by the appropriate signatory. Should you have any question please call me at 508-760-6166.

Sincerely,

Joseph A. Rodricks, P.E.
Dennis Town Engineer

Municipality/Organization: **Town of Dennis**

EPA NPDES Permit Number: **MAR041103**

MaDEP Transmittal Number: **W- 041145**

Annual Report Number & Reporting Period: **No. 1: March 04-March 05**

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.

d the required self-assessment and has determined that our municipality is in compliance with all permit conditions.

mum Control Measures

utreach

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**
Natural Resource Officer- George MacDonald	Provide literature w/ off-road & shellfish permits	Brochures in information tree in office and applicants directed to same.	Continue to expand and update brochure selection.
Shellfish Officer A. Marcy	Provide Information to school children	March 17, 2005 Lecture to Cub Pact on the importance of keeping estuaries clean.	Construct a model of a estuary cross-section starting from a salt marsh and ending at the sub tidal zone and exhibit it at local fairs.
Town Engineer J. Rodricks	Provide Information booth at Chamber of Commerce Fair	Posters distributed by Cape Co Groundwater Guardian Project place in 4 public buildings. Participated as active member in "PROJECT STORM" (see attachment "A"). Distributed 1500 stormwater bookmarks to 6 public locations	Post information on new Department of Public Works web page. Continue to place Groundwater Guardian posters in various locations and distribute additional bookmarks as needed.

Participation

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
Board of Health Terry Hayes	Encourage proper disposal of hazardous materials	Two (2) Household Hazardous. Waste Collection Days held: June 5, 2004, 2250 Gallons collected; Sept. 11, 2003, 1825 gallons collected. .	Two (2) Household Hazardous. Waste Collection Days to be held June 4, 2005 and Sept. 10, 2005. Increase advertising, mail flyers to residents and include businesses that are small quantity generators.
CZM/Natural Resource Officer- Brian Malone	Annual Beach Cleaning	Coastal Sweep program conducted on three Town beaches September 19 & 20, 2004.	Repeat & expand Coastal Sweep in September 2005
Animal Control Officer- Cheryl Malone	Provide disposal mitts and waste receptacles at Town Beaches Create "Waste Disposal" By-law	Researched most effective disposal mitts and waste receptacles products and obtained prices.	Place disposal mitt receptacles at Fresh Pond Dog Park and Chapin Beach as trial run and to monitor effectiveness. Install additional signs on Town Beaches relative to Dog Waste Disposal Bylaw and fine.
Harbor Master- Ed Tierney	Notify Boat Owners annually	Flyer listing pump out facilities mailed to slip and mooring owners with applications.	List of pump out facilities and their environmental benefit in the Dennis Harbor "Scuttlebutt" newsletter published in December.

›n and Elimination

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
Town Engineer-Joseph Rodricks	Identify & prioritize	January 2005, Senior Corp volunteers identified and GPS'd all drainage systems including catchbasins and outfall pipes. Identified Leif Erickson Drive outfall as highest priority for BMP on Bass River. Application for Coastal Non Point Source Pollution Grant. Application denied.	Apply for CPR Pollution Grant to fund construction of Leif Erickson Drive 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.
Police Chief M. Whalen Acting Chief W. Monahan	Enforcement of Sate Illegal Disposal Law	Assisted DPW with the investigation and mitigation of possible illegal discharge locations.	Add literature and information on illegal activities to Department web site.

Water Runoff Control

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
Dennis Selectmen- Donald Trepte, Chairman	Storm water & erosion control Standards & Enforcement	Established Dennis Comprehensive Wastewater Management Task Force with charge to develop by-law. CWMTF subcommittee established to draft by-law.	Develop draft of by-law for presentation to general public for comment.
Conservation Commission- Donald Waldo Chairman	Eliminate Runoff & erosion during construction.	Issued Orders of Conditions for 36 construction projects with no discharge allowed.	Continue to require the elimination of any storm water runoff.
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.

Dennis Comprehensive Wastewater Management Task Force.	Evaluate Swan River, Swan Pond, Sesuit Creek and Chase Garden Creek and establish Total Maximum Daily Limit for nitrogen loading	Signed agreement with DEP/SMAST. Established protocol for and train volunteers on water sampling.	Conduct water sampling using Water Quality Committee volunteers under the direction of the Board of Health Agent.

ı Water Management in New Development and Redevelopment

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
Board of Selectmen- Donald Trepte, Chairman	Storm water & Erosion Control Standards & enforcement	Established Dennis Comprehensive Wastewater Management Task Force with charge to develop by-law. CWMTF subcommittee established to draft by-law	Develop draft of by-law for presentation to general public for comment

I Good Housekeeping in Municipal Operations

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
DDPW Superintendent- D. Johansen	Maintenance of Drainage	Increased catchbasin cleaning with additionally trained employees. Purchased second street sweeper.	Develop prioritized list of streets and basins to be cleaned targeting areas of greatest potential impact of estuaries.
DPW Superintendent D. Johansen	Exposure reduction	Provided employee training on calibration of salt/sanding equipment.	Continue to acquire pertinent facts and information to develop sand & salt spreading policy.
DPW Superintendent- D. Johansen	Exposure reduction	Tracking and scheduling of routine maintenance improved by administrative directives.	Continue to refine a computerized maintenance program and develop maintenance policy.
DPW Superintendent- D. Johansen	Exposure reduction	No action take	Develop policy for weekly vehicular cleaning and maintenance.
DPW Superintendent- D. Johansen	Provide information to employees Exposure reduction.	No action taken	Continue to enroll employees into seminars and demonstrations promoted by Bay State Roads and other organizations as they are scheduled.

Maximum Daily Load (TMDL) Waste Load Allocations (WLA) *<<if applicable>>*

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**
DDPW Superintendent D. Johansen	Exposure reduction	One system installed on Lone Tree Road (Swan River) and Aunt Debby's Road (Swan River).	Replace failed system on Upper County Road (Swan River) and add new system on Depot St. (Swan Pond). Coordinate with MassHighway on the installation of BMPs on section of Rte 6A adjacent to Sesuit Creek.
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.
DPW Superintendent- D. Johansen	Erosion control	No action taken in pertinent areas.	Continue and improve slope stabilization where necessary.
Town Engineer J. Rodricks	Exposure Reduction and/or elimination	Town applied for but was not awarded a Non Point Source Pollution mitigation grant.	Reapply for grant.
Town Health Director Terry Hayes	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 2004 four beaches were closed a total of 6 days.	Repeat testing program.

River and Kelley's Bay area as the highest priority for immediate implementation of BMPs. In conjunction with the Town of Yarmouth nding for survey and assessment of all outfalls into these water bodies and the design of mitigation measures for the highest prioritized ment of Public Works has continued it's program of identifying and mitigating potential upgradient pollution sources.

nation Collected and Analyzed

ı beaches during the months of June, July and August 2004, resulted in 6 days of beach closures.

& Accomplishments (OPTIONAL)

ition created/staffed	(y/n)	No
ıditures	($)	$80,000

d Training

; reached by education program(s)	(# or %)	15 %
nmittee established	(y/n)	Yes
upported	(# or y/n)	No
ɔn or quantity of shoreline miles cleaned	(y/n or mi.)	1.5 mi
Collection Days		
	(#)	2
ɔn	(%)	334 persons
	(tons or gal)	4,075 gal
	(y/n)	No

	In Place Prior to Phase II	Under Review	Drafted	Adopted
; (indicate with "X")				
:tion & Elimination		X		
Control	X			
ormwater Management		X		
atus (indicate with "X")				
:tion & Elimination		X		
Control		X		
ormwater Management		X		

ges

	(%)	75 %
f outfalls	(#)	55
ete	(%)	15 %
	(%)	75 %
	(%)	12 %
	(%)	50 %
	(# or %)	17
	(#)	0
	(#) (est. gpd)	0
	(%)	0 %
stems	(%)	100 %

(>1-acre)		5
truction starts adequately regulated for erosion and sediment control		100
		3
ıed		0
		0
from public		0

ater Management

lopment/redevelopment projects adequately regulated for post-trol	(%)	0 %
	(# or %)	13
ater recharged	(gpy)	0 %

ce

asin cleaning (non-commercial/non-arterial streets)	(times/yr)	1 every 3 yrs
asin cleaning (commercial/arterial or other critical streets)	(times/yr)	1/ yr
eaned	(#)	681
	(LF or mi.)	0 LF
oved from storm sewer infrastructure	(lbs. or tons)	3405 tons
(landfill, POTW, compost, recycle for sand, beneficial use, etc.)		Landfill
	($)	0

weeping (non-commercial/non-arterial streets)	(times/yr)	1 yr
weeping (commercial/arterial or other critical streets)	(times/yr)	3 yr
by sweeping	(lbs. or tons)	650 tons
ll, POTW, compost, beneficial use, etc.)	(location)	Landfill
	($)	0
hased/leased	(#)	1
ified in contracts	(y/n)	0

ublic land of: ("N/A" = never used; "100%" = elimination)		
	(lbs. or %)	N/A
	(lbs. or %)	N/A
	(lbs. or %)	N/A

atios	% NaCl % $CaCl_2$ % $MgCl_2$ % CMA % Kac % KCl % Sand	50% 32% 0% 0% 0% 0% 50%
d	(y/n)	y
d	(y/n)	y
preaders used	(y/n)	y
ical year salt application	(lbs. or %)	0%
shed(s)	(y/n)	y
nder construction	(y/n)	n

MAY 17 2004