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TOWN OF RAYNHAM
 SELECTMEN AND BOARD OF HEALTH
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To: Ann Herrick From: Randy Buckner
 Fax: 1-617-918-0505 To: _____
 Re: Annual MSY Rep. Pages 13

Municipality/Organization: Raynham, MA

EPA NPDES Permit Number: MAR 041151J

MaDEP Transmittal Number: W-

**Annual Report Number
& Reporting Period:** No. 3: March 2005-March 2006

NPDES PII Small MS4 General Permit Annual Report

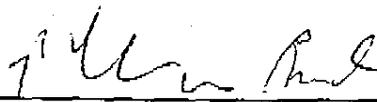
Part I. General Information

Contact Person: Randall A. Buckner **Title:** Town Administrator

Telephone #: 508-824-2707 **Email:** rbuckner@town.raynham.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: 

Printed Name: Randall A. Buckner

Title: Town Administrator

Date: May 9, 2006

SELF ASSESSMENT

Part II - SELF ASSESSMENT

The Town of Raynham, MA 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 III 1.1 Classroom presentations delayed for one year.

Part III 3.1 Mapping of MS 4 outfalls delayed for one year (inadequate manpower).

All other goals as described in application have been met for Year 3.

STORMWATER REPORT

Part III Summary of Minimum Control Measures

1. Public Education and Outreach

<u>BMP</u>	<u>BMP Description</u>	<u>Responsible Dept./Person</u>	<u>Measurable Goal(s)</u>	<u>Progress on Goal(s) Permit Year 3</u>	<u>Planned Activities Year 4</u>
1.1	Introduce topic to students as appropriate	Public Education task force	Classroom presentations	Presentation prepared	Make Presentation to students
1.2	Design & Distribute Brochures	Town Administrator	Raise public awareness pollution of stormwater	Brochures distributed with tax bills	Done
1.3	Stencil storm drains	Highway Department/ Highway Superintendent	Identify MS4 for public	50% of Storm drains stencilled	Use summer help to stencil last 50% of Town's catch basins
1.4	Create Public Public Education Task Force	Raynham Board of Selectmen/Town Administrator	Board of Selectmen appoints Task Force	Selectmen appointed Public Education task force	Done
1.5.	Create awareness with education incentives	North & Center Water District/Reprective Supt.	Create scholarship fund	Scholarship setup some donations received	Request further donations; write criteria for fund

2. Public Involvement and Participation

<u>BMP ID#</u>	<u>BMP Description</u>	<u>Responsible Dept./Person</u>	<u>Measurable Goal(s)</u>	<u>Progress on Goal(s) Permit Year 3</u>	<u>Planned Activities Permit year 4</u>
2.1	Form Technical	Town Administrator/ Board of Selectmen	Board of Selectmen vote to form committee	---	Done
2.2	Tech.Comm. drafts by-law	Technical Committee	Illicit Discharge and E & S bylaws presented to Town	By-Laws drafted	Present to Town Meeting
2.3	Use media to educate and motivate residents to comply	Technical Committee employees of town agencies	Positive press coverage of storm water meeting activities	Public and press invited to Stormwater Committee Meetings held	Provide media with press releases
2.4	Solicit residents to	Task Force	Residents report	Task Force asked for public's help in reporting violations	Continue
2.5	Provide public notice of all Meeting & Hearings	Technical Committee	Public attends meetings/hearings	All meeting of the technical committee and task force advertised in local paper & website	Continue

2A Additions

2.6	HHW Collection Event	Hiway Supt	Hold one Town-wide event	Town-wide event held in May	Townwide collection of HHW to be held in May
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3. Illicit Discharge Detection and Elimination

<u>BMP ID#</u>	<u>BMP Description</u>	<u>Responsible Dept./Person</u>	<u>Measurable Goal(s)</u>	<u>Progress on Goal(s) Permit Year 3</u>	<u>Planned Activities Permit Year 4</u>
3.1	Map MS4 Outfalls	Highway & Planning Dept/Highway Supt. & Town Planner	Produce Maps of MS4	No action	Town Planner to use GIS to produce a draft map of MS4 outfalls
3.2	Dry weather screening during routine catch basin cleaning	Highway Dept. Supterintendent	Monitor MS4	Highway Dept. checked catch basin for dry weather flow	Continue checking
3.3	Inspections during routine detention/retention basin assessment	Highway Supt.	Monitor MS4	Highway Dept. Inspected detention basins for dry weather flows	Continue Checking
3.4	Illicit Discharge By Law enforcement.	Highway Supt.	Violations caught or discouraged	No Action	No action until By-Law is passed
3.5	Prvd.Insp. & tech. assist. to & ZBA Boards	Highway & Planning Board Dept/Hiway & P.B	Develop & enforce Management practices		Continue

4. Construction Site Stormwater Runoff Control

BMP IC#	BMP Description	Responsible Dept./Person	Measurable Goal(s)	Progress on Goal (s) Permit Year 3	ProgressActivities- Permit Year 4
4.1	Devlp.by-law for construction along accepted ways	BOS & Hiway Dept. Town Adm& Hiway Supt.	Required permit & cash bond before excav. along town ways	Permits & Cash bond required to protect MS4 from construction	Continue
4.2	Conduct subdivision review & inspections	Hiway & Planning Dept./Hiway Supt. & Planning Board	Enforce const. of aprv.plans through subdivision cont.	Six subdivisions reviewed for compliance	All subdivision plans to be reviewed for compliance
4.3	Develp.P.B.& ZBA to address MS4 issues	Highway & Planning Dept./Hiway & P.B. Agents	Provide regulations addressing MS4 issues	Subdivision control regulations reviewed and modified	No Action
4.4	Enforce by-laws & PB reg.	Highway & Planning Hiway Supt & P.B Regs	Encourage proper management of MS4 issues	New regulations adopted by Planning Board enforced	Continue
4.5	Conduct routine & impromptu inspections during const.	Highway Dept / Highway Supt. or designated agent	Discourage MS4 violations & encourage best Mgt. Practices	Highway employees conducted scheduled & unscheduled inspec. of construction sites	Continue

5. Post-Construction Stormwater Management in New Development and Redevelopment

<u>BMP ID#</u>	<u>BMP Description</u>	<u>Responsible Dept/Person</u>	<u>Measurable Goals</u>	<u>Progress on Goal (s) Permit Year 3</u>	<u>Planned Activities Permit Year 4</u>
5.1	Monitor, review & assess compliance with MS4 regs.	Hiway & Planning Board Depts/Hiway Supt & P.B. agents	Use bond surety to insure compliance with regulations	Fees for maintenance of MS4 in new developments collected	Same
5.2	Periodic assessment of BMP's for MS4	Hiway & Planning Board Depts/Hiway Supt. & P.B. agent	Ongoing evaluation of what is working and what is not	Stormwater Technical Committee assessed BMP's being used	Continue Assessment
5.3	Provide tech support & BMP's to aprop. Boards & agencies	Hiway, P.B & Tech. Cmt/Hiway Supt. P.B.agents & Cmt member.	Ongoing assessment & use of improved BMP	BMP's working well incorporated into regulations	Continue
5.4	Required review & comment B/4 bond reduction (or) return	Planning & Appeals Board Chairman each Board	Ensure compliance of BMP's of developing projects	Town Engineer/. Cons.Agent did final inspection of all subdivisions	Continue

6. Pollution Prevention and Good Housekeeping in Municipal Operations

<u>BMP ID #</u>	<u>BMP Description</u>	<u>Responsible Dept./Person</u>	<u>Measurable Goals</u>	<u>Progress on Goal(s) Permit Year 3</u>	<u>Planned Activities Permit Year 4</u>
6.1	Regular cleaning & inspections of catch basin	Hiway Dept./ Hiway Supt responsible Dept./Person Name	Regular assessment structure & removal of road soils	All catchbasins in Town cleaned & inspected	All catchbasins to be cleaned & inspected
6.2	Regular Street sweeping	Hiway Dept/ Hiway Supt.	Regular & periodic removal of road soils	All streets in Town swept at least once, some twice	Same
6.3	Installation of deep sump basins	Hiway Dept/ Hiway Supt.	Collection of additional road soils from MS 4 systems	Hiway Dept. installed deep sumps during reconstructions	Continue
6.4	Provide employee regds.train.hazs. mat. clean up & disposal	Hiway Dept/ Hiway Supt.	Employees are trained in Hazmat	Employee maintained Hazmat certification (8 hours)	Continue
6.5	Provide work orders system	Hiway Dept/ Hiway Supt & General Foreman pref.on MS4	Provide records of mat. Removed & work	Work order system functioning	Continue

Part IV. Summary of Information Collected and Analyzed

So far no illicit connections into the Town's MS4 have been found. The Town is better than 70% sewered so many problems with grey water/waste water have been cured.

More than half of all catch basins have been stenciled.

Subdivision Rules & Regulations which prohibit erosion runoff into MS4 are being enforced for all new subdivision developments.

Post-construction Management of Stormwater has been improved by maintenance of detention/retention basins and improvements to old subdivision structures.

Part V. Program Outputs & Accomplishments (OPTIONAL)**Programmatic**

Stormwater management position created/staffed	(y/n)	N
Annual program budget/expenditures	(\$)	--
All expenditures within existing budgets		

Education, Involvement, and Training

Estimated number of residents reached by education program(s)	(# or %)	90%
Stormwater management committee established	(y/n)	yes
Stream teams established or supported	(# or y/n)	yes
Shoreline clean-up participation or quantity of shoreline miles cleaned	(y/n or mi.)	--
Household Hazardous Waste Collection Days		
▪ days sponsored	(#)	1 major
▪ community participation	(%)	10%
▪ material collected	(tons or gal)	ON FILE
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	(%)	90%
Estimated or actual number of outfalls	(#)	
System-Wide mapping complete	(%)	
Mapping method(s)		
▪ Paper/Mylar	(%)	
▪ CADD	(%)	
▪ GIS	(%)	
Outfalls inspected/screened	(# or %)	50%
Illicit discharges identified	(#)	none
Illicit connections removed	(#) (est. gpd)	none
% of population on sewer	(%)	70
% of population on septic systems	(%)	30

Construction

Number of construction starts (>1-acre)	(#)	6
Estimated percentage of construction starts adequately regulated for erosion and sediment control	(%)	100
Site inspections completed	(# or %)	90%
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	(%)	100
Site inspections completed	(# or %)	15
Estimated volume of stormwater recharged	(gpy)	D/K

Operations and Maintenance

Average frequency of catch basin cleaning (non-commercial/non-arterial streets)	(times/yr)	1/year
Average frequency of catch basin cleaning (commercial/arterial or other critical streets)	(times/yr)	1/year
Total number of structures cleaned	(#)	1448
Storm drain cleaned	(LF or mi.)	
Qty. of screenings/debris removed from storm sewer infrastructure	(lbs. or tons)	D/K
Disposal or use of sweepings (landfill, POTW, compost, recycle for sand, beneficial use, etc.)		landfill cover
Cost of screenings disposal	(\$)	0

Average frequency of street sweeping (non-commercial/non-arterial streets)	(times/yr)	1/year
Average frequency of street sweeping (commercial/arterial or other critical streets)	(times/yr)	2/year

Qty. of sand/debris collected by sweeping	(lbs. or tons)	D/K
Disposal of sweepings (landfill, POTW, compost, beneficial use, etc.)	(location)	Taunton Landfill
Cost of sweepings disposal	(\$)	0
Vacuum street sweepers purchased/leased	(#)	1
Vacuum street sweepers specified in contracts	(y/n)	N

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

Anti-/De-Icing products and ratios	% NaCl	60
	% CaCl ₂	10
	% MgCl ₂	
	% CMA	
	% Kac	
	% KCl	
	% Sand	30
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)	Y
Storage shed(s) in design or under construction	(y/n)	