

Municipality/Organization: TOWN OF REHOBOTH

EPA NPDES Permit Number: MAR041152

Reporting Period: APRIL 1, 2004 - MARCH 31, 2005

NPDES Phase II Small MS4 General Permit
ANNUAL REPORT
#2

Part I. General Information

Contact: Jane Miller

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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: STEPHEN MARTIN

Title: CHAIRMAN, REHOBOTH BOARD OF SELECTMEN

Date: April 17, 2007

Part II. Self-Assessment

The Town of Rehoboth has completed the required self-assessment and has determined that the municipality is in

➤ **complete compliance with six (6) of the permit conditions including...**

- BMP 3.3 Catch basins cleaned
- BMP 5.2 Streets swept
- BMP 5.3 Catch basins cleaned and maintained
- BMP 6.1 Enforcement partially in compliance via the efforts of the Highway Department and Conservation Commission
- BMP 6.4 Hazardous waste collection – two days sponsored by Highway and Board of Health
- BMP 6.5 Roadside debris removed by volunteer residents in April 2005

➤ **partial compliance with six (6) of the permit conditions including...**

- BMP 1.1 Stormwater Committee re-organized with residents and municipal employees
- BMP 3.2 Stormwater discharge partially regulated via existing WPA regs and local by-laws
- BMP 4.2 Construction site runoff partially regulated via existing WPA regs and local by-laws
- BMP 4.3 Construction sequencing partially regulated via existing WPA regs and local by-laws
- BMP 4.4 Sedimentation control partially regulated via existing WPA regs and local by-laws
- BMP 5.1 O & M plan in place and carried out in partial compliance with EPA PII

➤ **and has made little to no progress on the remaining eighteen (18) permit conditions.**

The Town failed to submit their Annual Report for permit year two by the May 1, 2005 deadline as specified by the EPA and are filing it nearly two years late.

The responsibilities associated with fulfilling the requirements of the EPA and Massachusetts DEP for NPDES Phase II were assigned per the original NOI to a variety of municipal employees and departments, including the Conservation Agent, Office of the Board of Selectmen, the Highway Department and its Superintendent, the Board of Health, and Forestry Department. Additionally, a majority of the BMPs was charged to the Stormwater Committee and the Stormwater Illicit Discharge Officer – this Committee did not meet during the permit year and the position for an illicit discharge officer position was never created. In addition, the Town was without a Conservation Agent the second half of the permit year and for several months thereafter.

Due to these vacancies and turnover, the Town cannot claim any *new* accomplishments towards PII compliance during Permit Year three (a significant portion of EPA's PII requirements are already addressed either by existing O & M procedures, state wetland regulations, and/or local general and zoning by-laws and subdivision regulations).

This report does not address in detail the planned activities for permit year three as this report is being filed late and the reporting year has lapsed.

Part III. Summary of Minimum Control Measures

1. Public Education & Outreach

BMP ID #	BMP Description	Responsible Party	Measurable Goal(s)	Permit Year 2 Progress Apr 04 - Mar 05	Planned Activities Permit Year 3
1.1	Stormwater Phase II Implementation Committee	BOS Office	Establishment of group to implement the plan	Established in 2004, no meetings held	
1.2	Public Education Outreach Program – Publish articles and direct mailings	BOS Office Committee	Reach 100% of residents with publication in Rehoboth Reporter and direct mailer(s)	None	
1.3	Stormwater Illicit Discharge Officer	Committee / BOS	Prepare municipal employee job description for approval by BOS	None	
1.4	Stormwater Informational Videos – Broadcast on local public access channel	Committee / RePAC	Reach residents with cable access	None	
1.5	“In-the-field” Classes	Town Planner/ Agent	Increase general public’s awareness of stormwater discharge sites	None	

2. Public Participation & Involvement

BMP ID #	BMP Description	Responsible Party	Measurable Goal(s)	Permit Year 2 Progress Apr 04 - Mar 05	Planned Activities Permit Year 3
2.1	Stormwater Phase II Implementation Committee	BOS Office	Establishment of group to implement the plan	Established in 2004, no meetings held	
2.2	Public Education Outreach Program	BOS Office	Involve core citizens group to prepare informational articles	None	
2.3	Open "In-the-Field" classes	Town Planner/ Agent	Increase general public's awareness of stormwater discharge sites	None	
2.4	Mapping Program	Stormwater Illicit Discharge Officer	To map all discharge locations	None	
2.5	Stenciling Program	Stormwater Illicit Discharge Officer	To identify all discharge locations	None	

3. Illicit Discharge Detection & Elimination

BMP ID #	BMP Description	Responsible Party	Measurable Goal(s)	Permit Year 2 Progress Apr 04 - Mar 05	Planned Activities Permit Year 3
3.1	Stormwater Illicit Discharge Officer	Committee / BOS	Establish this municipal position	None	
3.2	General & Zoning By-laws	Stormwater Illicit Discharge Officer	Regulate stormwater discharge	None - Mass WPA, PB & ZBL by-laws already address some of requirements	
3.3	Catch Basin Cleaning Program	Highway Superintendent	Clean all drainage structures in Town	All basins cleaned	
3.4	Materials Testing	Highway Superintendent	Determine discharge contaminants if applicable	None	
3.5	Attempted Contamination Removal , if applicable	Selectmens Office	Eliminate and abate illicit discharges and contaminants	None	

4. Construction Site Runoff Control

BMP ID #	BMP Description	Responsible Party	Measurable Goal(s)	Permit Year 2 Progress Apr 04 – Mar 05	Planned Activities Permit Year 3
4.1	Evaluate municipal policies	Committee	Determine applicability of surrounding communities	None	
4.2	4-Season Construction Site Runoff	Committee	Recognize major seasonal stormwater issues	None - Mass WPA, PB & ZBL by-laws already address some of requirements	
4.3	Construction Sequencing – General & Zoning by-laws	Illicit Discharge Officer & BOS	Eliminate untreated discharge during construction practices	None - Mass WPA, PB & ZBL by-laws already address some of requirements	
4.4	Sedimentation Control General & Zoning By-laws	Stormwater Illicit Discharge Officer & BOS Committee	Ensure untreated discharge during construction practices	None - Mass WPA, PB & ZBL by-laws already address some of requirements	
4.5	Natural/ Vegetative Buffer General & Zoning By-laws	Illicit Discharge Officer & BOS	Provide a natural stormwater discharge filtering system	None	

5. Post Construction Runoff Control

BMP ID #	BMP Description	Responsible Party	Measurable Goal(s)	Permit Year 2 Progress Apr 04 – Mar 05	Planned Activities Permit Year 3
5.1	BMP Operations & Maintenance Plan	Stormwater Illicit Discharge Officer & Highway Department	Ensure proper functioning of all drainage structures	Some procedures in place and carried out by Highway Dep't	
5.2	Street Sweeping & Maintenance	Highway Department	Sediment free roadways	Streets swept	
5.3	Catch Basin Cleaning & Maintenance	Highway Department	Sediment free catch basins	Catch basins cleaned	
5.4	Detention/Retention Pond Maintenance	Highway Department	Sediment free drainage structures	None	
5.5	Landscaping	Forestry Department	Replace & establish new vegetative buffers	None	

6. Municipal Good Housekeeping

BMP ID #	BMP Description	Responsible Party	Measurable Goal(s)	Permit Year 2 Progress Apr 04 – Mar 05	Planned Activities Permit Year 3
6.1	Enforcement	Stormwater Illicit Discharge Officer	Enforce general & zoning by-laws	Highway & CC enforced existing regulations	
6.2	Stormwater Informational Video	Cable Advisory Committee / Norman Spring	Update the video for broadcast to inform community	None	
6.3	Open "In-the-Field" Classes	Stormwater Illicit Discharge Officer	Training for public and municipal employees	None	
6.4	Household Hazardous Waste Days	BOH / Highway	Remove all potential contaminants from community	Two waste oil collection days held - collected 600 gal	Two waste oil collection days
6.5	Town-wide clean-up day	NGO / BOH	Assist in the removal of all debris from the Town	Roadside trash picked up throughout April 2005	Roadside Clean-up during month of April 2006

Part IV. Summary of Information Collected and Analyzed

Information collected is reflected elsewhere in this report; the Town is unable to analyze the collected information at this stage of the permitting process due to the lack of progress.

Part V. Program Outputs & Accomplishments

(Since beginning of permit coverage unless specified otherwise by a **, which indicates response is for period covering April 1, 2004 through March 31, 2005)

Programmatic

(Preferred Units) Response

Stormwater management position created/staffed	(y/n)	NO
Annual program budget/expenditures **	(\$)	\$0
Total program expenditures since beginning of permit coverage	(\$)	\$0
Funding mechanism(s) (General Fund, Enterprise, Utility, etc)		N/A

Education, Involvement, and Training

Estimated number of property owners reached by education program(s)	(# or %)	0%
Stormwater 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.)	N/A
Shoreline cleaned since beginning of permit coverage	(mi.)	N/A
Household Hazardous Waste Collection Days		
▪ days sponsored **	(#)	2
▪ community participation **	(# or %)	120
▪ material collected **	(tons or gal)	600 gal
School curricula implemented	(y/n)	NO

Legal/Regulatory	In Place Prior to Phase II	Reviewing Existing Authorities	Drafted	Draft in Review	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

(Preferred Units) Response

Outfall mapping complete	(%)	0%
Estimated or actual number of outfalls	(#)	Unknown
System-Wide mapping complete (complete storm sewer infrastructure)	(%)	0%
Mapping method(s)		
▪ Paper/Mylar	(%)	0%
▪ CAD	(%)	0%
▪ GIS	(%)	0%
Outfalls inspected/screened **	(# or %)	0
Outfalls inspected/screened (Since beginning of permit coverage)	(# or %)	Unknown
Illicit discharges identified **	(#)	0
Illicit discharges identified (Since beginning of permit coverage)	(#)	Unknown
Illicit connections removed **	(#); and (est. gpd)	0
Illicit connections removed (Since beginning of permit coverage)	(#); and (est. gpd)	Unknown
% of population on sewer	(%)	0%
% of population on septic systems	(%)	100%

Construction

(Preferred Units) Response

Number of construction starts (>1-acre) **	(#)	6 (Est)
Estimated percentage of construction starts adequately regulated for erosion and sediment control **	(%)	85%
Site inspections completed **	(# or %)	85%
Tickets/Stop work orders issued **	(# or %)	15
Fines collected **	(# and \$)	\$0
Complaints/concerns received from public **	(#)	75 (Est)

Post-Development Stormwater Management

Estimated percentage of development/redevelopment projects adequately regulated for post-construction stormwater control	(%)	0%
Site inspections (for proper BMP installation & operation) completed **	(# or %)	0%
BMP maintenance required through covenants, escrow, deed restrictions, etc.	(y/n)	Small # of projects
Low-impact development (LID) practices permitted and encouraged	(y/n)	Yes, but not enforceable

Operations and Maintenance

Average frequency of catch basin cleaning (non-commercial/non-arterial streets) **	(times/yr)	N/A
Average frequency of catch basin cleaning (commercial/arterial or other critical streets) **	(times/yr)	Annual
Qty of structures cleaned **	(#)	1,165
Qty. of storm drain cleaned **	(%, LF or mi.)	300'
Qty. of screenings/debris removed from storm sewer infrastructure **	(lbs. or tons)	N/A
Disposal or use of screenings (landfill, POTW, compost, beneficial use, etc.) **	(location)	N/A
Basin Cleaning Costs		
• Annual budget/expenditure (labor & equipment)**	(\$)	\$22,500
• Hourly or per basin contract rate **	(\$/hr or \$ per basin)	
• Disposal cost**	(\$)	N/A

Operations and Maintenance (Continued)

Cleaning Equipment		
• Clam shell truck(s) owned/leased	(#)	1 - OWN
• Vacuum truck(s) owned/leased	(#)	0
• Vacuum trucks specified in contracts	(y/n)	0
• % Structures cleaned with clam shells **	(%)	100%
• % Structures cleaned with vactor **	(%)	0
Average frequency of street sweeping (non-commercial/non-arterial streets) **	(times/yr)	N/A
Average frequency of street sweeping (commercial/arterial or other critical streets) **	(times/yr)	Annual
Qty. of sand/debris collected by sweeping **	(lbs. or tons)	300 ton
Disposal of sweepings (landfill, POTW, compost, beneficial use, etc.) **	(location)	N/A
Annual Sweeping Costs		
• Annual budget/expenditure (labor & equipment)**	(\$)	\$10,000
• Hourly or lane mile contract rate **	(\$/hr. or ln mi.)	\$18.03/hr
• Disposal cost**	(\$)	1 - OWN
Sweeping Equipment		
• Rotary brush street sweepers owned/leased	(#)	1 - OWN
• Vacuum street sweepers owned/leased	(#)	0
• Vacuum street sweepers specified in contracts	(y/n)	No
• % Roads swept with rotary brush sweepers **	%	ALL
• % Roads swept with vacuum sweepers **	%	0
Reduction (since beginning of permit coverage) in application on public land of: ("N/A" = never used; "100%" = elimination)		
▪ Fertilizers	(lbs. or %)	Unknown
▪ Herbicides	(lbs. or %)	Unknown
▪ Pesticides	(lbs. or %)	Unknown
Integrated Pest Management (IPM) Practices Implemented	(y/n)	Unknown

Operations and Maintenance (Continued)

Average Ratio of Anti-/De-Icing products used ** (also identify chemicals and ratios used in specific areas, e.g., water supply protection areas)	% NaCl % CaCl ₂ % MgCl ₂ % CMA % Kac % KCl % Sand	N/A 4:1 ratio Sand to salt
Pre-wetting techniques utilized **	(y/n or %)	NO
Manual control spreaders used **	(y/n or %)	8
Zero-velocity spreaders used **	(y/n or %)	N/A
Estimated net reduction or increase in typical year salt/chemical application rate	(±lbs/lb mi. or %)	N/A
Estimated net reduction or increase in typical year sand application rate **	(±lbs/lb mi. or %)	900 ton
% of salt/chemical pile(s) covered in storage shed(s)	(%)	150 ton
Storage shed(s) in design or under construction	(y/n or #)	Yes
100% of salt/chemical pile(s) covered in storage shed(s) by May 2008	(y/n)	900 ton

Water Supply Protection

Storm water outfalls to public water supplies eliminated or relocated	# or y/n	No
Installed or planned treatment BMPs for public drinking water supplies and their protection areas	# or y/n	No
Treatment units induce infiltration within 500-feet of a wellhead protection area	# or y/n	Unknown