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Municipality/Organization: Town Rockport, Massachusetts

EPA NPDES Permit Number:

MaDEP Transmittal Number: W-036169

Annual Report Number
& Reporting Period: No. 4: April 1, 2006-March 31, 2007

NPDES PII Small MS4 General Permit Annual Report

Part I. General Information

Contact Person: John M. Tomasz, P.E. Title: DPW Director

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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: John M. Tomasz

Title: DPW Director

Date: 4/30/07

Part II. Self-Assessment

The Town of Rockport has successfully implemented or begun implementation of several Measurable Goals noted in Rockport's Notice of Intent. Prior to the development of Rockport's Comprehensive Stormwater Management Program, including Measurable Goals, the Town had an assessment performed of current activities, programs, and regulations that could support the NPDES Phase II Stormwater program. This assessment became the basis for modifying current activities, recommending new programs, and informing town boards and departments of their obligation toward successful implementation of Rockport's Comprehensive Stormwater Program.

Rockport is pleased to present the following summary describing Rockport's success at implementing the fourth year of the town's Comprehensive Stormwater Management Program.

Part III. Summary of Minimum Control Measures

TOWN OF ROCKPORT, MASSACHUSETTS
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BMP ID #	Best Management Practice	Responsible Person / Department	Measurable Goal	Progress on Goal(s) - Permit Year Four	Planned Activities - Permit Year Five
1. Public Education and Outreach					
PE-1	Stormwater Brochure	Department of Public Works	Y1-Y5: Develop and mail one (1) brochure per year in the Consumer Confidence Report to residents and industries in Rockport.	The Consumer Confidence Report was distributed and made available at public office and the website: www.town.rockport.ma.us	The Town will continue this program.
PE-2	Provide stormwater information at Town buildings	Department of Public Works Chamber of Commerce	Y1-Y5: Brochures will be available in the Chamber of Commerce and Town Hall	The Consumer Confidence Report was available at public offices for viewing last year (Y3). The Rockport Watershed Protection Committee and Rockport DPW developed and distributed a brochure to residents within the watershed highlighting the hazards of illegal dumping along roadways and into storm and sanitary sewer systems. The brochure also reviewed stormwater best management practices for common residential activities. This brochure is now available at Town Hall.	The Town will continue to make educational material on protecting local water quality available.
PE-3	Stormwater Editorial	Department of Public Works	Y1-Y5: Print one (1) editorial in the Gloucester Daily Times each year.	The Town prepared a stormwater editorial.	Editorial / Press Release will be printed in Gloucester Daily Times.
PE-4	Pet Waste	Department of Public Works	Y1-Y5: Post signs at public park lands and supply bags for pet owners to properly dispose of waste. Enforce leash law and exclusion of pets from resource areas during the summer.	Signs have been posted for properly disposing pet waste and leash laws. Plastic bags are available for public use. Town of Rockport regulations applicable to public beaches and parks are available for public viewing at the Town website.	This program will continue.
2. Public Involvement and Participation					
PP-1	Involve Public Schools	Middle School Science Department	Y2: Stormwater presentation to Middle* School Science Class and environmental sampling field trip to local water body. Conduct necessary planning for biology and environmental science projects incorporating stormwater issues. Y3-Y5: Implement stormwater projects in biology and environmental science classes.	Contact made with the Middle School Science Department to identify appropriate stormwater projects to be implemented.	Appropriate projects (as determined) will be implemented.

* Measurable goal of working with High School Science Department has been modified to working with the Middle School Science Department.

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PP-2	Incorporate Stormwater into Public Meetings	Department of Public Works	Y1: Discuss final Stormwater Management Plan (SWMP) at Spring Town Meeting. Y2-Y5: Present updates to the SWMP. Continue to invite stormwater discussion at one (1) meeting per year.	Rockport has continued to update the public on the Stormwater Management Plan. Stormwater Management Plan and related activities are discussed at Town Meeting and other public meetings throughout the year.	Rockport will continue to update the public on the Stormwater Management Plan and invite stormwater discussion where applicable.
PP-3	Stencil Storm Drains	Department of Public Works	Y2: Identify potential labor sources (scouts, etc.). DPW will facilitate storm drain stenciling effort in the downtown area. (50% complete) Y4: Continue effort in downtown area (100% complete)	Contact was made with the Middle School Science Department regarding performing additional stenciling and/or installation of metal plates at storm sewer catch basins as an stormwater project.	Contact will continue with youth groups and students to continue the catch basin identification program. (See PP-1) Complete stenciling of 50% of downtown area catch basins so that all (100%) downtown catch basins are stenciled or marked with a metal plate.
PP-4	Involve Watershed Protection Committee	John Tomasz, Chairman (Members from several Town departments)	Y1-Y5: Discuss stormwater issues at quarterly meetings.	The Watershed Protection Committee is composed of Rockport residents who are professionals in the fields of hydrology, environmental science, fisheries, earth science, and resource management. Recently, the Watershed Protection Committee has completed a Wellhead Protection Plan (WHPP) for Rockport's Mill Brook Wellfield, funded by a grant through Massachusetts Department of Environmental Protection's Drinking Water Program. Most recently, the Watershed Protection Committee was reappointed for another term.	The committee will continue discussion of stormwater issues.
PP-5	Poster Contest	Middle School Science Department	Y1: Develop concept and approach educators. Y2: Pilot poster contest as part of science class. Y3: Modify and continue poster contest.	Discussion was made with the Middle School science department regarding the poster contest.	Discussion will continue to be made with the Middle School Science Department regarding the poster contest.
3. Illicit Discharge Detection and Elimination					
ID-1	Evaluate Eligibility Criteria	Department of Public Works	Y1: Create map of critical habitats and historic properties as described in the General Permit Part 1.B. Y2: Once outfalls are mapped in these areas (see ID-2), consult applicable services and departments (e.g. Fish and Wildlife Service, National Marine Fisheries Service, State Historic Preservation Officer.) Y3 Take appropriate measures if any discharges are not authorized by the General Permit.	An outfall map was created as part of the August 2000 Stormwater Management Plan. The Town worked on Mill Brook to identify pollutants.	Continue to work on Mill Brook to identify pollutants.

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BMP ID #	Best Management Practice	Responsible Person / Department	Measurable Goal	Progress on Goal(s) - Permit Year Four	Planned Activities - Permit Year Five
ID-2	Eliminate Illicit Discharges	Department of Public Works	Y1: Develop Illicit Discharge Detection and Elimination Plan as described in General Permit Part II.B.3. Y2-Y5: Implement Plan. The Board of Health monitors 7 beaches in Rockport on a regular basis.	The Rockport Mill Brook Wellhead Protection Plan included sampling of outfalls within the Mill Brook Watershed. Two sampling rounds revealed the occurrence of common stormwater pollutants, most of which are at relatively low concentrations. The Town of Rockport received grant assistance to evaluate conditions of storm sewer catch basins and to install sumps and hoods. DPW monitors outfalls regularly at Old Garden Beach.	The DPW will continue to implement the IDDE program. Board of Health will continue to monitor swimming beaches and work with DPW to identify and correct sources of contamination.
ID-3	Develop and Implement Illicit Discharge Bylaw	Department of Public Works	Y1: Develop draft bylaw prohibiting non-stormwater discharges into the storm sewer and providing for appropriate enforcement procedures. Y2: Present bylaw at Town Meeting and finalize. Y3-Y5: Implement and enforce bylaw.	Rockport Town officials are in the process of reviewing draft language for bylaw prohibiting illicit discharges into storm sewer system.	Rockport will review draft bylaw prohibiting non-stormwater discharges into the storm sewer and providing enforcement. The Town will also seek to present the bylaw to the Town meeting.
ID-4	Educate Citizens	Department of Public Works	Y2: Notify public of Illicit Discharge Detection and Elimination Plan: Y3: Notify public of upcoming Illicit Discharge Bylaw. Y4: Notify public of new bylaw in place.	Brochure entitled "Protecting Rockport's Mill Brook Watershed" informs the public of the dangers of illegal dumping and discharging into storm and sanitary sewer systems. The brochure was mailed to all households within the watershed and is available at Town Hall.	Rockport will notify the public via local access, public meeting, and website of the stormwater items included in public meetings such as the status of the IDDE and stormwater bylaws.
4. Construction Site Runoff Control					
CS-1	Develop and Implement Construction Runoff Control Program.	Department of Public Works	Y1: Develop Construction Site Runoff Control Program as described in General Permit Part II.B.4. Y2-Y5: Implement plan.	Rockport Town officials are in the process of reviewing draft language for Construction Site Runoff Control Bylaw.	Rockport will review the draft Construction Site Runoff Control Bylaw. The Town will also seek to present the bylaw to the Town meeting.
CS-2	Development and Implement Erosion and Sediment Control Bylaw	Department of Public Works	Y1: Research bylaw requirements (General Permit Part II.B.4 and MA DEP Stormwater Management Standard 8) and compare to existing town regulations. Y2: Modify existing regulations and/or develop bylaw. Y3: Present bylaw at Town meeting and finalize. Y4-Y5: Implement bylaw.	Rockport Town officials are in the process of reviewing draft language for Erosion and Sediment Control Bylaw.	Rockport will review the draft Erosion and Sediment Control Bylaw. The Town will also seek to present the bylaw to the Town meeting .
5. Post Construction Runoff Control					
PC-1	Develop, Implement, and Enforce Post-Construction Runoff Control Program	Department of Public Works	Y1: Develop Post-Construction Site Runoff Control Program as described in General Permit Part II.B.5 and MA DEP Stormwater Management Standards 2, 3, 4, and 7. Y2-Y5: Implement plan.	Rockport Town officials are in the process of reviewing draft language for Post-Construction Site Runoff Control Bylaw (The bylaws for ID-3 include bylaws for Post-Construction Runoff Control Program).	Rockport will review the draft Post-Construction Site Runoff Control Bylaw. The Town will also seek to present the bylaw to the Town meeting.

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PC-2	Develop, Implement, and Enforce Post-Construction Runoff Control Bylaw	Department of Public Works	Y1: Research Post Construction Runoff bylaw requirements (General Permit Part II.B.5 and MA DEP Stormwater Management Standard 2, 3, 4, and 7) as part of the Post-Construction Runoff Control Program. Y2: Modify existing regulations and/or develop bylaw. Y3: Present bylaw at Town meeting and finalize. Y4: Implement bylaw. Y5: Review effectiveness of bylaw and enhance if necessary.	Rockport Town officials are in the process of reviewing draft language for Post-Construction Site Runoff Control Bylaw.	Rockport will review the draft Post-Construction Site Runoff Control Bylaw. The Town will also seek to present the bylaw to the Town meeting.
6. Pollution Prevention and Good Housekeeping in Municipal Operations					
GH-1	Employee Training Program	Department of Public Works	Y1-Y5: Hold one good housekeeping workshop per year at DPW.	DPW director and other Rockport officials previously attended University of New Hampshire workshop on stormwater BMPs and a Stormwater Management Financing Seminar. Town employees are regularly informed of good housekeeping practices.	Municipal employees continue education on good housekeeping practices.
GH-2	Storm Drain Stenciling	Department of Public Works	Y1: DPW will stencil storm drains in Town (excluding downtown area) while cleaning catch basins. Y3: Re-stencil drains Y5: Re-stencil drains.	Local teens previously installed metal plates at storm sewer catch basins and stenciling has been performed by DPW during catch basin cleaning program.	Catch basin stencils and/or markers will be inspected by DPW during catch basin cleaning program. Where necessary, stencils will be re-applied and markers repaired and/or replaced.
GH-3	Beach Clean-up	Department of Public Works	Y1-Y5: DPW will clean seaweed and trash from beaches weekly in the summer.	DPW cleans seaweed and trash from the beaches throughout the summer.	This program will continue.
GH-4	Catch Basin Cleaning	Department of Public Works	Y1-Y5: DPW will clean each catch basin in Town once per year.	DPW cleans catch basins once a year.	This program will continue.
GH-5	Street Sweeping	Department of Public Works	Y1-Y5: DPW will sweep every street in Town once per year. The downtown area will be swept daily in the summer.	DPW sweeps streets in the downtown area daily in the summer. All of the streets in Town are swept at least once per year.	This program will continue.

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GH-6	Recycling Program	Department of Public Works	Y1-Y5: Continue the Town's recycling and household hazardous waste collection programs.	The transfer station is available to Town residents. Signs are posted at the facility indicating where to leave recycling and hazardous waste products. The Transfer Station provides several services to help reduce the amount of waste produced by the community: The Town held one hazardous waste collection day. Four times per year, oil is collected at the Waste Water Treatment Plant to prevent it from being released into drains or the ocean. Hazardous items such as mercury thermometers and fluorescent light bulbs are collected at the Transfer Station and disposed of properly. Transfer station regulations and collection schedules are posted in the Town Hall and at www.town.rockport.ma.us	This program will continue.
GH-7	Operation and Maintenance	Department of Public Works	Y1: Inventory maintenance activities, identify potential pollution runoff. Y3: Identify means of reducing potential pollutant runoff, implement reductions as budget allows. Y5: Reduce pollutant runoff potential.	The DPW has inventoried Rockport's storm sewer infrastructure. Individual identifications have been assigned to system appurtenances. Recorded are catch basin inlets and outlets, depth of sumps, system condition, maintenance history, and evidence of potential illicit flows. The Town of Rockport received grant assistance to evaluate conditions of storm sewer catch basins and to install sumps and hoods.	Town will continue to maintain storm sewer inventory and identify opportunities to increase system performance.
GH-8	Reporting	Department of Public Works	Y1: Create a method to record stormwater management activities (e.g. catch basins cleaned, streets swept, yearly training workshops held, bylaws implemented, etc.) Y1-Y5: Begin recording all stormwater management activities. Provide MADEP and EPA with yearly report as described in the General Permit, Part II.E.	The DPW has inventoried Rockport's storm sewer infrastructure. Individual identifications have been assigned to system appurtenances. Recorded are catch basin inlets and outlets, depth of sumps, system condition, maintenance history, and evidence of potential illicit flows.	Town will continue to maintain storm sewer inventory and identify opportunities to increase system performance.
7. BMPs for Meeting Total Maximum Daily Load (TMDL) Waste Load Allocations (WLA)-					
TMDL-1	Check Current Impairment List	Department of Public Works	Y1: There are no completed TMDL studies for receiving waters in Rockport. Y2-Y5: Reference Part II of the current Massachusetts Integrated List of Waters for newly listed water bodies with completed TMDL studies in which Rockport SW outfalls directly or indirectly discharge.	There are no completed TMDLs for receiving waters in Rockport. Cape Pond has been identified in "The Proposed Massachusetts Year 2004 Integrated List of Waters" as needing a TMDL for turbidity.	Rockport will continue to monitor new TMDLs.

Part IV. Summary of Information Collected and Analyzed

Part V. Program Outputs & Accomplishments (OPTIONAL)

(Since beginning of permit coverage unless specified otherwise by a **, which indicates response is for period covering April 1, 2006 through March 31, 2007)

Programmatic

	(Preferred Units)	Response
Stormwater management position created/staffed	(y/n)	
Annual program budget/expenditures **	($)	
Total program expenditures since beginning of permit coverage	($)	
Funding mechanism(s) (General Fund, Enterprise, Utility, etc)		

Education, Involvement, and Training

Estimated number of property owners 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.)	
Shoreline cleaned since beginning of permit coverage	(mi.)	
Household Hazardous Waste Collection Days		
▪ days sponsored **	(#)	
▪ community participation **	(# or %)	
▪ material collected **	(tons or gal)	
School curricula implemented	(y/n)	

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

Construction

	(Preferred Units)	Response
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 (for proper BMP installation & operation) completed **	(# or %)	
BMP maintenance required through covenants, escrow, deed restrictions, etc.	(y/n)	
Low-impact development (LID) practices permitted and encouraged	(y/n)	

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)	
Qty of structures cleaned **	(#)	
Qty. of storm drain cleaned **	(%, LF or mi.)	
Qty. of screenings/debris removed from storm sewer infrastructure **	(lbs. or tons)	
Disposal or use of screenings (landfill, POTW, compost, beneficial use, etc.) **	(location)	

Basin Cleaning Costs		
• Annual budget/expenditure (labor & equipment)**	($)	
• Hourly or per basin contract rate **	($/hr or $ per basin)	
• Disposal cost**	($)	
Cleaning Equipment		
• Clam shell truck(s) owned/leased	(#)	
• Vacuum truck(s) owned/leased	(#)	
• Vacuum trucks specified in contracts	(y/n)	
• % Structures cleaned with clam shells **	(%)	
• % Structures cleaned with vactor **	(%)	

	(Preferred Units)	Response
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)	
Annual Sweeping Costs		
• Annual budget/expenditure (labor & equipment)**	($)	
• Hourly or lane mile contract rate **	($/hr. or ln mi.)	
• Disposal cost**	($)	
Sweeping Equipment		
• Rotary brush street sweepers owned/leased	(#)	
• Vacuum street sweepers owned/leased	(#)	
• Vacuum street sweepers specified in contracts	(y/n)	
• % Roads swept with rotary brush sweepers **	%	
• % Roads swept with vacuum sweepers **	%	

Reduction (since beginning of permit coverage) in application on public land of: ("N/A" = never used; "100%" = elimination)		
▪ Fertilizers	(lbs. or %)	
▪ Herbicides	(lbs. or %)	
▪ Pesticides	(lbs. or %)	
Integrated Pest Management (IPM) Practices Implemented	(y/n)	

	(Preferred Units)	Response
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	
Pre-wetting techniques utilized **	(y/n or %)	
Manual control spreaders used **	(y/n or %)	
Zero-velocity spreaders used **	(y/n or %)	
Estimated net reduction or increase in typical year salt/chemical application rate	(±lbs/ln mi. or %)	
Estimated net reduction or increase in typical year sand application rate **	(±lbs/ln mi. or %)	
% of salt/chemical pile(s) covered in storage shed(s)	(%)	
Storage shed(s) in design or under construction	(y/n or #)	
100% of salt/chemical pile(s) covered in storage shed(s) by May 2008	(y/n)	

Water Supply Protection

Storm water outfalls to public water supplies eliminated or relocated	# or y/n	
Installed or planned treatment BMPs for public drinking water supplies and their protection areas	# or y/n	
• Treatment units induce infiltration within 500-feet of a wellhead protection area	# or y/n	

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