Municipality/Organization: **Town of Rockport, Massachusetts**

EPA NPDES Permit Number: MAR041217

MassDEP Transmittal Number: **W-036169**

Annual Report Number & Reporting Period: **April 1, 2007 – March 31, 2008**

NPDES PII Small MS4 General Permit Annual Report
(Due: May 1, 2008)

Part I. General Information

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

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Mailing Address: 34 Broadway, Rockport, MA 01966

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, P.E.

Title: DPW Director

Date:

Part II. Self-Assessment

The Town of Rockport has successfully implemented all the measurable goals, or modified measurable goals noted in the Notice of Intent

Part III. Summary of Minimum Control Measures

TOWN OF ROCKPORT, MASSACHUSETTS
NPDES Stormwater General Permit

BMP ID #	Best Management Practice	Responsible Person / Department	Measurable Goal	Progress on Goal(s) - 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 mailed to all residents and made available at public office and the website: www.town.rockport.ma.us
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	A new Stormwater brochure was made available at Town Hall and on Town website.
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 for publication in the Gloucester Daily Times in April 2008.
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.
1a - Addition	Public Beach Testing	Board of Health	Regularly test public beaches and post results online.	Rockport's public beaches are tested regularly for bacterial contamination. Beach testing results are posted on-line for all public beaches.
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.	DPW Director met with 5th and 6th graders in April 2008 to discuss how pollutants enter Mill Brook and make their way to Front Beach. The discussion included what types of pollutants may be present, where they come from, and their impact.

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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.
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)	Nearly all catchbasins within the Urbanized Area have been stenciled or marked.
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. Stormwater topics have been part of the discussions at quarterly meetings.
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.	No Activity. In April 2008, the DPW discussed a poster contest with Middle School principal.
2a - Addition	Earth Day Community Clean Up	Department of Public Works, Conservation Commission, Beautification Committee	Hold Voluntary Community Clean Up	The DPW, Beautification Committee and Conservation Commission hosted a community Earth Day Clean Up on April 19, 2008

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2b - Addition	Involve Conservation Commission and Citizens Advisory Committee on Water and Wastewater	Conservation Commission and Citizens Advisory Committee on Water and Wastewater	Involve local environmental groups in stormwater discussions; actively participate in local and regional stormwater activities.	The Conservation Commission helps organize Rockport's Annual Earth Day Clean-up, participates on Rockport's Watershed Protection Committee and Citizens' Advisory Committee on Water and Wastewater, participates on the regional Eight Towns and the Bay Committee, made up of representatives from eight communities dedicated to preserving the quality and integrity of Ipswich Bay, and helps in other efforts to enhance the local environment.
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. Consulted Fish and Wildlife Service, National Marine Fisheries Service, State Historic Preservation) to ensure discharges are compliant with the General Permit.
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 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 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 have approved and accepted an Illicit Discharge Detection and Elimination Bylaw.

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BMP ID #	Best Management Practice	Responsible Person / Department	Measurable Goal	Progress on Goal(s) - Permit Year Five
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. Public notification through public meeting announcements and publication of minutes of meetings via local access, public meeting, and website of the stormwater items and 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 have approved and accepted a Construction Site Runoff Control Bylaw.
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 have approved and accepted a Construction Site Runoff Control Bylaw which addresses erosion and sedimentation conctrol on construction sites of 20,000 square feet or more.

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BMP ID #	Best Management Practice	Responsible Person / Department	Measurable Goal	Progress on Goal(s) - Permit Year Five
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 have approved and accepted a Stormwater Management Control Bylaw which addresses post contstruction runoff control.
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 have approved and accepted a Stormwater Management Control Bylaw which addresses post contstruction runoff control.
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.
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.	Nearly all catch basins in the Urbanized Area have been stenciled or marked.
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.
GH-4	Catch Basin Cleaning	Department of Public Works	Y1-Y5: DPW will clean each catch basin in Town once per year.	All catch basins in the Urbanized Area were cleaned in September 2007.

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BMP ID #	Best Management Practice	Responsible Person / Department	Measurable Goal	Progress on Goal(s) - Permit Year Five
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 have been swept at least in the past year.
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 will hold a hazardous waste collection day in September.The DPW holds quarterly drop-off day for major appliances and automotive material to prevent it from being released into drains or the ocean. Hazardous items such as mercury thermometers and fluorescent light bulbs are collected and disposed of properly. Transfer station regulations and collection schedules are posted in the Town Hall and at www.town.rockport.ma.us.
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.

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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. Yearly reports have been provided to EPA in accordance with the General Permit.
6a - Addition	Public Beach Testing	Board of Health		Rockport's public beaches are tested regularly for bacterial contamination. Beach testing results are posted on-line for all public beaches. In recent years, all of Rockport's beaches have consistently tested safe for swimming.
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.

O:\Rockport MA\General\MS4 annual reports\[SWMP Summary - Year 5 annual report.xls]Sheet1

Part IV. Summary of Information Collected and Analyzed

Rockport's public beaches are tested regularly for bacterial contamination. Beach testing results are posted on-line for all public beaches. In recent years, all of Rockport's beaches have consistently tested safe for swimming.

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	