

**Municipality/Organization:** Town of Rochester

**EPA NPDES Permit Number:** MAR041153

**MaDEP Transmittal Number:** W-041369

**Annual Report Number  
& Reporting Period:** No. 4: March 07-March 08

## NPDES PII Small MS4 General Permit Annual Report

### Part I. General Information

**Contact Person:** Laurell J. Farinon **Title:** Conservation Agent

**Telephone #:** 508-763-5421 extension 206 **Email:** lfarinon@townofrochester.com

#### 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:** Rich LaCamera

**Title:** Town Administrator

**Date:** April 30, 2008

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## **Part II. Self-Assessment**

**The Town of Rochester has learned that the mapped urban areas have a total population of only 464 people, which is well below the minimum of 1000 people required for Phase II reporting. The Town of Rochester has requested that EPA review this issue with counsel.**

**The area of Phase II designated urbanized areas represents less than 12 percent of the total 39 square mile total area of the Town of Rochester. The Town of Rochester has completed the required self-assessment and has determined that our municipality is in compliance with all permit conditions.**

**Part III. Summary of Minimum Control Measures**

**1. Public Education and Outreach**

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 5 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 6
1-1 Revised	Stormwater Management Program Educational Flyer	Highway Surveyor	Flyer prepared and distributed according to timeline	Educational flyer developed in 2004 continues to be made available at the Rochester Highway Department, Town Hall and Plumb Library	Continue to make educational flyer available at the Rochester Highway Department, Town Hall and Plumb Library
1-2 Revised	Annual Public Hearing	Town Administrator/ Board of Selectmen	Meeting advertised and held per schedule	A meeting of the Stormwater Management Committee was held on April 14, 2008 at 7:00 p.m. in the Town Hall Conference Room	An annual public hearing by the Stormwater Management Committee will be held in the Spring of 2009
1-3 Revised	Posting of large format Stormwater Map	Highway Surveyor	Map displayed	The large format Stormwater Map continues to be displayed at the Highway Barn on Ryder Road in Rochester	Continue to display Stormwater Map. Revise map as necessary.

**1a. Additions**


## 2. Public Involvement and Participation

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 5 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 6
2-1	Public Participation and Citizen Actions	Board of Health and Highway Surveyor	Board of Health and Highway Surveyor maintain a complaint report file (2005)	Continued to display the educational flyer (BMP 1-1) A Complaint Log was implemented in April 2005	Complaint log will continue to be in place in 2009.
Revised					
2-2	Stormwater Management Committee	Board of Selectmen – appointing authority	Committee established. Reviewed SWMP at annual hearing.	The Committee was formally established in late 2003. The most recent meeting of the Committee was held on April 16, 2008, an annual meeting was held by the Board of Selectmen on April 14, 2008 at 7:00 p.m.	Host public hearing. Receive public comment on content and schedule for consideration by Stormwater Management Committee.
Revised					
2-3	Annual Board of Selectmen's Meeting Review	Board of Selectmen	Meetings advertised and held per schedule	A duly advertised public hearing was held on April 14, 2008	Host public hearing and receive public comment.
Revised					
2-4	Storm Drain Stenciling Program	Highway Surveyor	Town will stencil a minimum of 10 catch basins per year until all known basins are stenciled	Identified priority basins for stenciling. Stenciling will be done Summer – Fall 2008	Continue stenciling a minimum of 10 catch basins per year
Revised					
2-5	Hazardous Material Collection Day	Highway Surveyor	Host annual Hazardous Waste Collection event	An event was hosted on June 9, 2007 by the Rochester Highway Department in Rochester	Host annual event to be held at the Rochester Transfer Station as part of the Carver/Marion/Wareham Regional Refuse Disposal District
Revised					
Revised					

## 2a. Additions

### 3. Illicit Discharge Detection and Elimination

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 5 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 6
3-1	Discharge Identification	Highway Surveyor	Field identification of discharge pipes in the <u>urbanized area</u> . Map locations to be transferred to GIS database. Project to be completed by winter 2007	Continue GPS location of outfalls to produce a map. Map has been posted at the Highway Barn.	Continue GPS location of outfalls to produce a map. Map has been posted at the Highway Barn.
Revised					
3-2	Drainage Network Mapping	Highway Surveyor	Field identification of discharge pipes in the Doggett Brook and East Branch of the Sippican drainage areas. Map locations to be transferred to GIS database. Project to be completed by winter 2007	Continue GPS location of outfalls. Map has been posted at Highway Barn.	Continue GPS location of outfalls. Map has been posted at Highway Barn.
Revised					
3-3	Illicit Discharge Identification	Highway Surveyor/Board of Health Agent	During field identification, note presence of unusual odors, non-stormwater materials or unusual pipes. Report illicit connections. Project to be completed by winter 2007	Continue field identification of outfalls.	Continue field identification of outfalls.
Revised					

3-4	Illicit Discharge Enforcement	Board of Health	Quantify illicit discharges identified and corrected. Review of Existing Enforcement authority to determine its adequacy	Continued review of existing mechanisms to determine adequacy of authority to regulate illicit discharges.	Continue review of existing mechanisms to determine adequacy of authority to regulate illicit discharges.
Revised					
3-5	Board of Health training	Board of Health	Annual training meetings held, list of staff participating	The Regional Sanitarian, Karen Walega, attends annual training	Continue annual training.
Revised					
3-6	Public Information on Illicit Connection	Highway Surveyor and Board of Health	Board of Health and Highway Surveyor maintain a complaint report file	Continued to Maintain Complaint Log initiated in April 2005	Continue to maintain Complaint Log
Revised					

**3a. Additions**


**4. Construction Site Stormwater Runoff Control**

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 5 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 6
4-1	Conservation Commission Bylaw Review	Conservation Commission	Submission of Articles to Town Meeting if needed	Continued review of existing State and Local bylaws and regulations. Massachusetts Wetlands Protection Act Regulations revised January 1, 2008 to provide much more stringent stormwater management guidelines.	Continue review of existing State and Local bylaws and regulations. Submission of articles to Town Meeting if needed.
Revised					
4-2	Planning Board Subdivision Regulation Review	Planning Board	Necessary regulation changes made.	Comprehensive review of Stormwater Regulations. Stringent Regulations formally adopted in March 2008.	Continue review of existing State and Local bylaws and regulations. Revisions to Stormwater Regulations if needed.
Revised					
F4-3	Planning Board, Zoning and Non-zoning bylaw review change	Planning Board	Necessary regulation changes made.	Comprehensive review of Stormwater Regulations. Stringent Regulations formally adopted in March 2008.	Continue review of Site Plan Review process and subdivision regulations to determine if regulatory changes are needed.
Revised					

**4a. Additions**

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

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 5 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 6
5-1 Revised	Conservation Commission Bylaws	Conservation Commission	Submission of articles to Town Meeting if needed.	Continued review of existing State and Local bylaws and regulations. Massachusetts Wetlands Protection Act Regulations revised January 1, 2008 to provide much more stringent stormwater management guidelines.	Continue review of existing State and Local bylaws and regulations. Submission of articles to Town Meeting if needed.
5-2 Revised	Planning Board Subdivision Regulations Review and Change	Planning Board	Necessary regulation changes made.	Comprehensive review of Stormwater Regulations. Stringent Regulations formally adopted in March 2008.	Continue review of existing State and Local bylaws and regulations. Revisions to Stormwater Regulations if needed.
5-3 Revised	Planning Board Zoning and Non-Zoning Bylaws Review	Planning Board	Necessary regulation changes made.	Comprehensive review of Stormwater Regulations. Stringent Regulations formally adopted in March 2008.	Continue review of existing State and Local bylaws and regulations. Revisions to Stormwater Regulations if needed.
Revised					
Revised					
Revised					

**5a. Additions**


**6. Pollution Prevention and Good Housekeeping in Municipal Operations**

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 5 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 6
6-1 Revised	Highway Department Policy Guide	Highway Surveyor	Preparation of Policy Guide	Initiated development of a Stormwater Management Policy Guide	Complete preparation of Policy Guide
6-2 Revised	Highway Department Annual Training	Highway Surveyor	Completion of Annual Training sessions, documentation of participation	Attend annual training session	Attend training session
6-3 Revised	Highway Department Permit Filing	Highway Surveyor	Copies of permits on file	Continued to work with Conservation Commission to make filings as necessary for stormwater improvements.	Continue to work with Conservation Commission to make filings as necessary for stormwater improvements.
Revised					
Revised					
Revised					

**6a. Additions**


**7. BMPs for Meeting Total Maximum Daily Load (TMDL) Waste Load Allocations (WLA) <<if applicable>>**

<b>BMP ID #</b>	<b>BMP Description</b>	<b>Responsible Dept./Person Name</b>	<b>Measurable Goal(s)</b>	<b>Progress on Goal(s) – Permit Year 5 (Reliance on non-municipal partners indicated, if any)</b>	<b>Planned Activities – Permit Year 6</b>
Revised					

**7a. Additions**


**7b. WLA Assessment**

**Part IV. Summary of Information Collected and Analyzed**

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

**Programmatic**

Stormwater management position created/staffed	(y/n)	0
Annual program budget/expenditures	(\$)	0 budget

**Education, Involvement, and Training**

Estimated number of residents reached by education program(s)	(# or %)	unknown
Stormwater management committee established	(y/n)	yes
Stream teams established or supported	(# or y/n)	no
Shoreline clean-up participation or quantity of shoreline miles cleaned	(y/n or mi.)	No applicable
Household Hazardous Waste Collection Days		
▪ days sponsored	(#)	one
▪ community participation	(%)	Regional - unknown
▪ material collected	(tons or gal)	Regional list attached
School curricula implemented	(y/n)	no


**Legal/Regulatory**

	In Place Prior to Phase II	Under Review	Drafted	Adopted
<b>Regulatory Mechanism Status (indicate with "X")</b>				
▪ Illicit Discharge Detection & Elimination		X		
▪ Erosion & Sediment Control		X		
▪ Post-Development Stormwater Management		X		
<b>Accompanying Regulation Status (indicate with "X")</b>				
▪ Illicit Discharge Detection & Elimination		X		
▪ Erosion & Sediment Control		X		
▪ Post-Development Stormwater Management		X		

**Mapping and Illicit Discharges**

Outfall mapping complete	(%)	X
Estimated or actual number of outfalls	(#)	
System-Wide mapping complete	(%)	
<b>Mapping method(s)</b>		
▪ Paper/Mylar	(%)	
▪ CADD	(%)	
▪ GIS	(%)	X
Outfalls inspected/screened	(# or %)	
Illicit discharges identified	(#)	
Illicit connections removed	(#) (est. gpd)	0
% of population on sewer	(%)	0%
% of population on septic systems	(%)	100%


**Construction**

Number of construction starts (>1-acre)	(#)	0
Estimated percentage of construction starts adequately regulated for erosion and sediment control	(%)	0
Site inspections completed	(# or %)	0
Tickets/Stop work orders issued	(# or %)	0
Fines collected	(# and \$)	0
Complaints/concerns received from public	(#)	0
* Please note – The Rochester total area designated as Phase II is extremely small – no housing starts		

**Post-Development Stormwater Management**

Estimated percentage of development/redevelopment projects adequately regulated for post-construction stormwater control	(%)	N/A
Site inspections completed	(# or %)	0
Estimated volume of stormwater recharged	(gpy)	0

**Operations and Maintenance**

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


Average frequency of street sweeping (non-commercial/non-arterial streets)	(times/yr)	1
Average frequency of street sweeping (commercial/arterial or other critical streets)	(times/yr)	1
Qty. of sand/debris collected by sweeping	(lbs. or tons)	
Disposal of sweepings (landfill, POTW, compost, beneficial use, etc.)	(location)	Beneficial use
Cost of sweepings disposal	(\$)	
Vacuum street sweepers purchased/leased	(#)	1
Vacuum street sweepers specified in contracts	(y/n)	

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

Anti-/De-Icing products and ratios	% NaCl % CaCl <sub>2</sub> % MgCl <sub>2</sub> % CMA % Kac % KCl % Sand	
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)	




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**Bureau of Waste Prevention**  
**2007 Municipal Recycling & Diversion Data Sheet**  
 For the calendar year ending December 31, 2007

**5. Costs of Residential Solid Waste Services**

Please do not report other MSW costs associated with disposal, such as collection fees, hauling and transportation.

Disposal tip fee (Including change in law costs if applicable): \$2.93 Per Ton  No Per Ton Tip Fee

How does your municipality charge its residents for solid waste program costs? Please check all that apply.

Included In Tax Base  Separate Flat Fee: \$144,000 Per Year  Pay-As-You-Throw (PAYT)

PAYT pricing options: 1<sup>st</sup> Bag/Sticker Size Price \$ 2<sup>nd</sup> Bag/Sticker Size Price \$

If your community does not have PAYT, but you want to learn more about it, please provide us with the name and phone number of the person we should contact:

Contact Name and Phone \_\_\_\_\_

Does your municipality have an ordinance mandating that businesses recycle?  Yes  No

Does your municipality require haulers to provide recycling services through permit requirements?  Yes  No

**6. Municipal Waste Diversion: General Recyclables**

Please provide the amount of recyclables diverted from residential sources in your town or city through municipal and private subscription hauler recycling, composting, and hazardous household product collection programs. Wherever possible, please estimate the percentage from commercial sources. When details are not provided for items marked with an asterisk (\*), the reported tonnage will not count toward your municipality's recycling rate.

Material	2007 Tons	% From Commercial Sources	Comments
Single Stream Recycling			Date when your municipality began single stream collection (MM/DD/YYYY) _____
Newspaper		176 ton	
Cardboard		14 ton	
Mixed Paper			If separate amounts not known, include ONP, OCC, magazines, office paper, junk mail, etc.
Commingled Containers		85 ton	Use this if containers are collected together and separate material tonnage amounts are not known.
Steel/Tin Cans			Steel containers and tin cans. Scrap steel should be reported below in Scrap Metal/White Goods.
Aluminum			Collected for recycling only; do not include redemption center tonnage.
Glass (all colors)			Collected for recycling only; do not include redemption center tonnage.
ALL Plastics			Collected for recycling only. Include food, beverage & home product containers, shopping bags & wrap.
Scrap Metal/White Goods	11 ton		Includes appliances and other residential scrap metal.
Textiles/Used Clothing	12 ton	Please indicate who collects these materials:	Red Cross Organization(s) Collecting _____

Material(s) Being		these materials:	Organization(s) Collecting
C&D Material	33 ton	To Casella	Collected for recycling only.
Swap Shop		Estimate tonnage of materials exchanged for reuse in designated swap shop.	

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**2007 Municipal Recycling & Diversion Data Sheet**  
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**6. Municipal Waste Diversion: General Recyclables (continued)**

Material	2007 Tons	Comments
Other Residential Material*	15 ton	Mattresses, Box springs, couches and Recliners Please Describe

Check if your municipality regularly collects materials such as electronics, white goods, scrap metal, clothing or other household items for recycling at a non-site assigned location. If you have checked this box, please indicate the location below. Note: Indicating the collection information below fulfills the requirement to notify and report to MassDEP under 310 CMR 16.05(3)(d).

200 Ryder Rd DPW Yard  
 Collection Location

**7. Municipal Waste Diversion Program Results: Composting/Organics**

Do not include leaves/yard waste collected from landscapers or adjoining towns, or organic materials collected by a municipal recreation department that maintains athletic fields.

Leaves/Yard Waste	150 Tons	Tons of grass, leaves, branches from single family or multi-family collections (curbside or drop-off).
Christmas Trees	322 Ton, 1288 yds	Number of trees or tons chipped, ground, shredded or composted (if not included in Leaves/Yard Waste).

TOTAL number of compost bins EVER distributed by your city or town as of December 31, 2006 40 Number of compost bins distributed in calendar year 2007 \_\_\_\_\_

If you DID NOT report diverting Leaves/Yard Waste & Christmas Trees, or distributing compost bins, MassDEP will estimate your default composting tonnage based on your answers to the questions below. If you have reported any of the above materials, please skip the rest of section 7 and go straight to section 8.

Does your community educate residents about and enforce a policy, bylaw, or ordinance excluding leaves and yard waste from collection for disposal?  Yes  No

Does your community have a combination of weekly drop-off and/or curbside collection for leaves and yard waste available to residents from March through November?  Yes  No

**8. Residential Hazardous Household Products & Difficult-to-Manage-Wastes**

**A.** Reporting in Part A and Part B is mutually exclusive. Please report the number of comprehensive one-day events your municipality sponsored or participated in during 2007. To avoid double counting, please do **not** report tonnage collected during one-day events in Part B. MassDEP will estimate tonnage based on the approximate numbers of full and half cars you report having served at these events.

Total number of comprehensive HHP events in 2007 1 Approximate number of full cars served at these events 67 Approximate number of half cars served at these events 49

These collection events were  Reciprocal  Regional  Open  Other

**B.** If your municipality has ongoing material-specific collections in addition to the events reported in Part A, please report the amount collected in the units of measure requested. **Important Note:** Providing the amount(s) for these materials is OPTIONAL. However, if you do not have these figures to report, they will not count toward your municipal recycling rate. Report the number of days you collected these items, or the number of days your site was open to residents.

Material	Amount	Units	# of Collection Days	Collection Fee, if any
Auto Batteries	35	Number	365	\$0
Auto Tires	122 units	Tons	365	\$2.0 Ea, \$8 ea truck
CRTs/Electronics	9685 lbs	Pounds	365	\$15.00 ea



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**B. (continued)**

Material	Amount	Units	# of Collection Days	Collection Fee, If any
Waste/Used Engine Oil	3955 gal	Gallons	365	\$
Household Batteries (Alkaline)	1	5-Gallon Pails	365	\$43.55
Propane Tanks	177	Number	365	\$
Anti-freeze	1	55-Gallon Drums	DPW only	\$27.50
Used Oil Filters	1	55-Gallon Drums	DPW only	\$56.90
Latex/Oil Based Paint	1	Cubic Yard Boxes	1	\$525.00

**C. Mercury Containing Products**

Fluorescent Lamps/Bulbs	4764	Linear Feet	365	\$339.59
Household Batteries (Button)	1	5-Gallon Pails		\$7.60
Thermostats		Number		\$
Thermometers	1 5 gal pail	Number	365	\$58.80
Flow Meters		Number		\$
Mercury Switches		Number		\$
Elemental Mercury		Pounds		\$

Where are Mercury Containing Products collected in your municipality?

200 Ryder Rd DPW  
Location

What are the hours of operation for the collection facility?

730-4 M-F  
Hours

Are businesses allowed to use the collection facility?

Yes  No

**9. Signature of Municipal Official**

I have reviewed the information provided on this municipal recycling data sheet and believe it to be accurate and complete. I understand that MassDEP may contact me if it has questions or needs additional information.

Signature

Jeffrey Eldridge

Name

Highway Surveyor

Title

508-763-1991

Telephone Number

02/01/08

Date

