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Municipality/Organization: Plaistow

EPA NPDES Permit Number: NHR041026

2004 APR -9 A 5:53

MaDEP Transmittal Number: W-

Annual Report Number
& Reporting Period: **No. 1: March 03-March 04**

NPDES PII Small MS4 General Permit Annual Report

Part I. General Information

Contact Person: John Scruton Title: Town Manager

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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: Merilyn P. Senter

Printed Name: Merilyn P. Senter

Title: Chairman Board of Selectmen

Date: April 5, 2004

Part II. Self-Assessment Plaistow NH Permit # NHR041026

A spreadsheet detailing the Best Management Practices for this permit year is attached as a part of this submittal. In general we feel this was a year in which a good start was made making the public aware of the issue. We have also been able to implement an ordinance prohibiting illicit discharge and put into place several good housekeeping measures. Our report shows progress in all six areas and completion of projects scheduled for 2003-04. We believe these practices are appropriate for the community with the following changes.

- **The Board of Selectmen will hold two public hearings a year inviting public participation on the progress at storm water best management practices instead of Conservation Commission.**
- **We need to examine the effectiveness of the literature distribution that was a part of public information BMP 1.1.**
- **Some of the out-years have been done earlier than planned, for example Cable TV shows.**
- **Participation in the area storm water communities and NH Department of Transportation in regional discussions and sharing of ideas and information.**

The major tasks for 2004-5 will build upon the first year and include the following activities:

- **We plan an update of the Site Plan and Subdivision ordinances for construction and post construction erosion and runoff control and open drainage system recharge. We are hoping the state of New Hampshire will complete development of model ordinances to help in this progress. We also have a grant working with the Conservation Law Foundation that we hope will address this area. The model ordinances have been a topic of discussion at our area meetings on storm water with other MS4 communities and the NH Department of Transportation. Related to this would be inspection procedures for those ordinances.**
- **We may delay the public involvement in a stenciling program while we consider what is the best format. We are currently following what Nashua will do with tags that glue on the catch basins as an alternative to stenciling.**
- **As mentioned above we plan to evaluate the literature distribution for 04-05 for topics, format, and distribution channels. In particular it may make more sense to emphasize septic system maintenance given the possible cost savings and benefits to both the citizens and environment.**
- **We plan to develop a training program for our employees on storm water run-off this coming year.**
- **We plan to start working on a drainage map.**
- **We plan to have the Conservation Commission issue another press release**
- **We plan to run a Hazardous Household Waste Collection Day.**

We have been meeting with NH Department of Transportation to make progress with another entity in town which is active in meeting storm water quality goals.

Part III. Summary of Minimum Control Measures (see attachments)

Part IV. Summary of Information Collected and Analyzed Plaistow NH Permit # NHR041026

We collected data on the quality of the surface water and compared it to past years, noting a slight rise in bacteria, but no other overall trend. We established baselines to compare future years for sweeping streets and catch basin cleaning, since we had not retained those numbers in the past. We also made available information on best management practices downloaded from the Web and acquired at conferences to the public, including the web site.

Part V. Program Outputs & Accomplishments (OPTIONAL)

Programmatic

Stormwater management position created/staffed	(y/n)	No
Annual program budget/expenditures	($)	Absorbed in other budgets

Education, Involvement, and Training

Estimated number of residents reached by education program(s)	(# or %)	6,000
Stormwater management committee established	(y/n)	Conservation Commission covering responsiblity
Stream teams established or supported	(# or y/n)	No
Shoreline clean-up participation or quantity of shoreline miles cleaned	(y/n or mi.)	NA
Household Hazardous Waste Collection Days		
▪ days sponsored	(#)	1
▪ community participation	(%)	
▪ material collected	(tons or gal)	
School curricula implemented	(y/n)	Yes

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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				
▪ 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

Outfall mapping complete	(%)	
Estimated or actual number of outfalls	(#)	9
System-Wide mapping complete	(%)	
Mapping method(s)		
▪ Paper/Mylar	(%)	
▪ CADD	(%)	
▪ GIS	(%)	
Outfalls inspected/screened	(# or %)	
Illicit discharges identified	(#)	
Illicit connections removed	(#) (est. gpd)	
% of population on sewer	(%)	None
% of population on septic systems	(%)	100%

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Construction

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 completed	(# or %)	
Estimated volume of stormwater recharged	(gpy)	

Operations and Maintenance

Average frequency of catch basin cleaning (non-commercial/non-arterial streets)	(times/yr)	Once
Average frequency of catch basin cleaning (commercial/arterial or other critical streets)	(times/yr)	Once
Total number of structures cleaned	(#)	450
Storm drain cleaned	(LF or mi.)	
Qty. of screenings/debris removed from storm sewer infrastructure	(lbs. or tons)	102 yards
Disposal or use of sweepings (landfill, POTW, compost, recycle for sand, beneficial use, etc.)		
Cost of screenings disposal	($)	

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Average frequency of street sweeping (non-commercial/non-arterial streets)	(times/yr)	Once
Average frequency of street sweeping (commercial/arterial or other critical streets)	(times/yr)	Once
Qty. of sand/debris collected by sweeping	(lbs. or tons)	64 yards
Disposal of sweepings (landfill, POTW, compost, beneficial use, etc.)	(location)	Landfill
Cost of sweepings disposal	($)	
Vacuum street sweepers purchased/leased	(#)	
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 % $CaCl_2$ % $MgCl_2$ % CMA % Kac % KCl % Sand	75% 25%
Pre-wetting techniques utilized	(y/n)	No
Manual control spreaders used	(y/n)	Yes
Automatic or Zero-velocity spreaders used	(y/n)	no
Estimated net reduction in typical year salt application	(lbs. or %)	Weather driven
Salt pile(s) covered in storage shed(s)	(y/n)	Yes
Storage shed(s) in design or under construction	(y/n)	In place