

**Municipality/Organization:** Somersworth, NH  
**EPA NPDES Permit Number:** NH1034  
**MaDEP Transmittal Number:** W-  
**Annual Report Number & Reporting Period:** No. 3: March 2005-March 2006

6/16/06  
revised  
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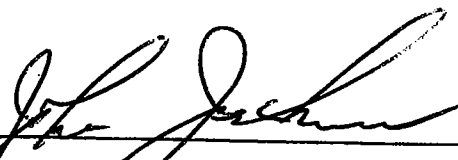
## NPDES PII Small MS4 General Permit Annual Report

### Part I. General Information

**Contact Person:** David Foster      **Title:** City Engineer  
**Telephone #:** 603-692-9524      **Email:** dfoster@somersworth.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:** JOHN JACKMAN  
**Title:** PUBLIC WORK DIRECTOR  
**Date:** JUN 8, 2006

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

**The City of Somersworth 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 3 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 4
1 Revised	Complete the movie "There is No Away" and "After the Storm: A Citizen's Video Guide to Understanding Stormwater" and schedule the SWPPP to show the movie.	Engineering/ David Foster	Number of showings	- "There is No Away" and "After the Storm: A Citizen's Video Guide to Understanding Stormwater" were both shown on our Cable TV station 144 times each in the spring of 2005. - Somersworth Middle School is also showing the movie "There is No Away".	- Continue showing on Cable TV station. - Continue outreach to schools to use the movie in their curriculum.
2 Revised	Develop educational materials (CD, SWPPP) and schedule for SWPPP to show the movie.	Engineering/ David Foster	Variety/number of handouts.	SWPPP Principal Contact has: attended & participated in a number of seminars, meetings, and trade shows; gathered a number of samples of educational literature.	Continue attending, participating, and gathering.
3 Revised	Write and publish quarterly newsletter for SWPPP and add it to the website.	Engineering/ David Foster	Number of articles.	Articles appeared in every quarter of our quarterly newsletter. Newsletter is also on our website. Full SWPPP has been added to our website.	- Continue articles in newsletter/website. - Add Annual Report to website.
4 Revised	Develop educational materials in Stormwater for the SWPPP and schedule for SWPPP to show the movie.	Engineering/ David Foster	Number of students.	This continues to be part of the Middle School curriculum.	Continue outreach to schools.
5 Revised	Develop educational materials for the SWPPP and schedule for SWPPP to show the movie.	Engineering/ David Foster	Number of dog licenses.	Educational flyer has been finalized for distribution to the Public through the City Clerk's office.	Distribute flyers through the City Clerk's office.

**1a. Additions**


## 2. Public Involvement and Participation

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 3 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 4
6 Revised	Community Cleanups	Engineering/ David Foster	Number of participants.	<ul style="list-style-type: none"> <li>- Our 2005 Downtown Enhancement Day picked up trash in the Downtown area.</li> <li>- The TRENDS (Teens Reaching Exciting New Dimensions) volunteers also performed cleanup on our trail system around Willand Pond and Stackpole Pond.</li> <li>- City Year volunteers picked up trash in the Union Street area and cleaned drainage ditch from Memorial St. to West High St.</li> <li>- Strafford County volunteers picked up trash in our parks and downtown.</li> <li>- TRENDS volunteers continued water quality monitoring.</li> </ul>	<ul style="list-style-type: none"> <li>- Downtown Enhancement Day is an annual event.</li> <li>- Continue the TRENDS Water Quality Monitoring program.</li> <li>- Continue using volunteer organizations for community cleanup.</li> </ul>
7 Revised	Stenciling Catch Basins	Engineering/ David Foster	Number of participants.	City Year volunteers stenciled catch basins in the Union Street area.	Seek volunteers to continue our stencil program.

### 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 3 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 4
8 Revised	Update City of Joplin GIS database to include the BMP locations for years 3, 4, 5.	Engineering/ David Foster	% Complete	Sewer System Map is done.	Update the map on a continuous basis as new infrastructure is added to the system.
9 Revised	Remove known illicit connections. City of Joplin stormwater BMP for years 3, 4, 5.	Engineering/ David Foster	Number removed	We removed two homes from the storm sewer system and connected them to the sanitary sewer system.	Secure grant funding to continue searching for and removing illicit discharges.
10 Revised	Implement an Asset Management System for years 3, 4, 5.	Public Works/ John Jackman	Number of outfalls screened	"VueWorks" Asset Management software has been installed and is operational. We've made progress with water, sewer, and drainage assets.	Begin staff training for work orders to manage drainage system.
11 Revised	Review City Ordinances for years 3, 4, 5.	Engineering/ David Foster	Number of changes/additions	- New persons hired into the City Planner and Fire Chief positions. Planner has good background in Stormwater. Fire Chief was the Stormwater Manager for another MS4 community. - Our Consultant – SEA – has also hired a new person with outstanding stormwater experience. He will review Drainage Reports on all new development.	- Continued observation of other municipality's efforts and obtaining sample ordinances. - I've spoken to the new personnel in the Planner and Fire Chief positions and they're willing to serve on our Stormwater team. - Formalize a Stormwater team. - Work with the Planning Department and new Stormwater team to begin review and revision of Ordinances.

**3a. Additions**

	Develop Guidelines and Standard Operating Procedures Manual	Engineering/ David Foster		Seacoast Stormwater Coalition has secured funding for and began development of a manual for use by New Hampshire MS4 communities.	<ul style="list-style-type: none"> <li>- Completion date is 12/31/06.</li> <li>- Next year we propose to follow up this initiative with development of materials and curriculum and begin staff training on Illicit Discharge Detection and Elimination.</li> </ul>

#### 4. Construction Site Stormwater Runoff Control

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 3 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 4
11 Revised	Employer reports Code Enforcement inspected the BMP for year 3	Engineering/ David Foster	Number of changes/additions	<ul style="list-style-type: none"> <li>- New persons hired into the City Planner and Fire Chief positions. Planner has good background in Stormwater. Fire Chief was the Stormwater Manager for another MS4 community.</li> <li>- Our Consultant – SEA – has also hired a new person with outstanding stormwater experience. He will review Drainage Reports on all new development.</li> </ul>	<ul style="list-style-type: none"> <li>- Continued observation of other municipality's efforts and obtaining sample ordinances.</li> <li>- I've spoken to the new personnel in the Planner and Fire Chief positions and they're willing to serve on our Stormwater team.</li> <li>- Formalize a Stormwater team.</li> </ul>
12 Revised	Employer reports Code Enforcement inspected the BMP for years 1-3	Public Works/John Jackman	Number trained	Two personnel attended training through the UNH Technology Transfer Center.	Send the new City Planner and the new Code Enforcement Officer to training through the UNH Technology Transfer Center.
13 Revised	Begin inspecting for violations	Public Works/John Jackman	Number of inspections	<ul style="list-style-type: none"> <li>- Continue inspecting our own work.</li> <li>- Our Consultant inspects all new projects that went through the Planning Board process.</li> <li>- One of the persons trained last year is in Code Enforcement. He will inspect smaller projects when he visits the site.</li> </ul>	Continue current procedures. When the second person in Code Enforcement receives training, we'll work towards complete monitoring.
14 Revised	Maximize compliance	Public Works/John Jackman	Number of inspections		With Consultant inspection and staff training we are moving closer to full compliance.



**4a. Additions**


### 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 3 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 4
16 Revised	Identification of BMP's.	Engineering/ David Foster	Number of BMP's	Observed the efforts of other municipalities through attendance at several stormwater seminars given in this region.	Continued observation of other municipality's efforts and obtaining sample ordinances.
17 Revised	Post Construction Maintenance	Engineering/ David Foster	Number of facilities	At the Planning Board stage we require a Stormwater Management, Maintenance, & Inspection Plan to be submitted and approved. For the year 2005-06 we received SMMIP's for all projects.	Continue with current practice. New format for the SMMIP is under review by City staff.
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 3 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 4
18	Vehicle washings	Public Works/John Jackman	Employees trained	Established new procedures for vehicle washings and trained Public Works staff on them.	Continue training as needed.
Revised					
19	Street cleaning	Public Works/John Jackman	Man-hours	- 827 hours spent sweeping streets.	Continue street sweeping
Revised					
20	Train employees	Public Works/John Jackman	Employees trained	Informal training provided as needed for various SWPPP activities, such as silt fence installation & vehicle washings. See Additions, below.	Move forward with other entities to develop more formal training program on Stormwater activities. See Additions, below.
Revised					
21	Storm drain system cleaning	Public Works/John Jackman	Man-hours	- 168 hours spent cleaning Storm drain system.	Continue storm drain system cleaning.
Revised					
22	Spill response & prevention	Public Works/John Jackman	Employees trained	(Our SWPPP schedules this BMP for years 3 & 4).	(Our SWPPP schedules this BMP for years 3 & 4). See Additions, below. This is one of the SOP's under development by the Seacoast Stormwater Coalition.
Revised					
Revised					

**6a. Additions**

	Develop Guidelines and Standard Operating Procedures Manual	Engineering/ David Foster		Seacoast Stormwater Coalition has secured funding for and began development of a manual for use by New Hampshire MS4 communities to address Illicit Discharge Detection & Elimination and Pollution Prevention/Good Housekeeping.	<ul style="list-style-type: none"> <li>- Completion date is 12/31/06.</li> <li>- Next year we propose to follow up this initiative with development of materials and curriculum and begin staff training on Illicit Discharge Detection and Elimination.</li> </ul>
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**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 3 (Reliance on non-municipal partners indicated, if any)</b>	<b>Planned Activities – Permit Year 4</b>
Revised					
Revised					
Revised					
Revised					
Revised					
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)	
Annual program budget/expenditures	(\$)	

**Education, Involvement, and Training**

Estimated number of residents 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.)	
Household Hazardous Waste Collection Days		
▪ days sponsored	(#)	
▪ community participation	(%)	
▪ material collected	(tons or gal)	
School curricula implemented	(y/n)	


**Legal/Regulatory**

In Place  
Prior to  
Phase II      Under  
Review      Drafted      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**

Outfall mapping complete	(%)	
Estimated or actual number of outfalls	(#)	
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	(%)	
% of population on septic systems	(%)	


**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)	
Average frequency of catch basin cleaning (commercial/arterial or other critical streets)	(times/yr)	
Total number of structures cleaned	(#)	
Storm drain cleaned	(LF or mi.)	
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.)		
Cost of screenings disposal	(\$)	

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)	
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 <sub>2</sub> % MgCl <sub>2</sub> % CMA % Kac % KCl % Sand	
Pre-wetting techniques utilized	(y/n)	
Manual control spreaders used	(y/n)	

<b>Automatic or Zero-velocity spreaders used</b>	<b>(y/n)</b>	
<b>Estimated net reduction in typical year salt application</b>	<b>(lbs. or %)</b>	
<b>Salt pile(s) covered in storage shed(s)</b>	<b>(y/n)</b>	
<b>Storage shed(s) in design or under construction</b>	<b>(y/n)</b>	