SP

Municipality/Organization: **Town of Foxborough, MA**

EPA NPDES Permit Number: **MAR041115**

MaDEP Transmittal Number: **W-040607**

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

NPDES PII Small MS4 General Permit
Annual Report
(Due May 1, 2007)

Part I. General Information

Contact Person: Andrew A. Gala, Jr. Title: Town Manager

Telephone #: 508-543-1200 Email: agala@mail.town.foxborough.ma.us

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: Andrew A. Gala, Jr.

Printed Name: Andrew A. Gala, Jr.

Title: Town Manager

Date: April 30, 2007

Part II. Self-Assessment

The Town of Foxborough, MA has completed the required self-assessment and has determined that our municipality is in compliance with all permit conditions, except for the provisions shown below. The exceptions shown below refer to our Form BRP WM 08A and the BMP ID #'s in Part D. Stormwater Management Program Summary.

Part D.1 BMP ID #5	Educate Students & Adults. The present members of the S/W Committee worked with the Town's Recycling Coordinator to design and print a Household Hazardous Waste brochure. School Department handed out this brochure to every student in the school system (preschool, K through 12). We also hope to have the Neponset River Watershed Association aid us for classroom presentations. Need to mail brochure to all residents.
Part D.2 BMP ID #10	Stencil CB's. We have been working with the Boy Scouts Organizers and are awaiting selection of an Eagle Scout Candidate to perform the stenciling.
Part D.2 BMP ID #12	Train staff in outfall inspection. Still looking for seminar to provide expertise in this area for our employees to attend. The Neponset River Watershed Association has performed testing in Foxborough and this BMP should be evaluated and possibly revised to include their testing for adherence to the permit.

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 4 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 5
1	Initial public awareness	S/W MGR. & Highway Super.	Newspaper article, CATV bulletin, stencil CB's.	Media articles completed.	Continue with progress.
Revised					
2	Form S/W Committee	S/W MGR.	Committee formed.	Local Committee formed.	Continue with progress of regional committee.
Revised	*Form Local S/W Committee & Form Regional Committee*				
3	Formulate education plan	S/W Committee	All school students handed HHW brochure.	Worked with Town's Recycling Coordinator to design Household Hazardous Waste Brochure for schools. Hold annual HHW Day.	Formulate education plan with S/W Committee and Neponset River Watershed Association.
Revised					
4	Design & distribute brochures	S/W Committee	Regional committee designed and mailed brochures to all residences, businesses, & P.O. mail boxes.	Hand out HHW brochure to all students. Mail brochure to all residences	Continue with progress. Mail to residents.
Revised					
5	Educate students & adults	S/W Committee	HHW brochures to all students. Brochure mailed to all residences, businesses, & P.O. boxes.	Education plan to include classroom presentations, media articles and presentations, brochure distribution.	Formulate education plan with S/W Committee and Neponset River Watershed Association.
Revised					
Revised					

1a. Additions

2. Public Involvement and Participation

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 4 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 5
6	S/W Comm. Reviews permit & sets goals	S/W Comm.	Goals set	Formulating goals.	Set Goals with S/W comm.
Revised					
7	S/W Comm. drafts S/W Bylaw	S/W Comm.	Bylaw for Illicit Discharge drafted.	Completed.	Review Bylaw, update as necessary.
Revised					
8	Selectmen, Planning Bd, & ConComm review draft Bylaw	S/W Comm, Selectmen, Planning Bd., ConComm.	S/W Bylaw finalized	Completed.	Review Bylaw, update as necessary.
Revised					
9	S/W Bylaw on Annual Town Meeting warrant	S/W Comm	Town Meeting approves S/W Bylaw	Accepted at 5/8/06 Annual Town Meeting. Completed	Review Bylaw, update as necessary.
Revised					
10	Residents assist w/ Bylaw enforcement, Stencil CB's	Residents	Discourage violations, scofflaws apprehended	Ongoing. Letter sent to violator.	Eagle Scout candidate to stencil CB's
Revised					
Revised					

2a. Additions

2. Illicit Discharge Detection and Elimination

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 4 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 5
11	Map outfalls and MS4	Highway Dept / Consultant	Map of MS4	Continued with Map. Engineering student updated.	Continue updating mapping as new sources are constructed.
Revised					
12	Train staff in outfall inspection	Highway Dept.	Develop detection plan	Plan to attend seminar on illicit discharges.	Get staff trained.
Revised					
13	S/W Comm. drafts Illicit Discharge Bylaw	S/W Comm.	Town Meeting adopts Bylaw	Completed. Accepted at 5/8/06 Annual Town Meeting.	Review Bylaw, update as necessary.
Revised					
14	Sump Pump & Downspout Connection Permit	S/W Comm.	Register & track potential pollution sources	Included in Illicit Discharge Bylaw.	Issue permits.
Revised					
15	Enforcement of Bylaw	Town Staff	Discourage violations & map sump pumps & downspouts	Letter sent out.	Continue w/ enforcement.
Revised					
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 4 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 5
16	S/W Comm., Planning Bd., ConComm. Set goals	S/W Comm., Planning Bd., ConComm. Set goals.	Goals set	Use existing bylaws. Completed	Review Bylaw, update as necessary.
Revised					
17	Formulate standards for erosion & sedimentation	S/W Comm., Planning Bd., ConComm.	Standards set	Use existing bylaws. Completed	Review Bylaw, update as necessary.
Revised					
18	Select BMP's	S/W Comm., Planning Bd., ConComm.	BMP's selected	Use existing bylaws. Completed	Review Bylaw, update as necessary.
Revised					
19	Draft regulations/revisions to Wetland & Subdiv. Regs.	S/W Comm., Planning Bd., ConComm.	Regulations/revisions adopted	Use existing bylaws. Completed	Review Bylaw, update as necessary.
Revised					
20	Enforcement of regulations/revisions	S/W Comm., Planning Bd., ConComm.	Discourage violations, rectify violations	Use existing bylaws. Completed. Violations issued.	Review Bylaw, update as necessary. Issue violation notices as necessary.
Revised					
Revised					

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 4 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 5
21	Final inspection @ end of construction	Town inspector	Ensure project built to plans & regulations	Use existing bylaws. Completed	Review Bylaw, update as necessary.
Revised					
22	Review BMP performance	Town Inspector	Long & short term maint. & performance identified	Use existing bylaws. Ongoing.	Ongoing.
Revised					
23	Propose improved BMP's to Planning Bd. & ConComm.	S/W Comm.	Improved BMP performance	Review performance, ongoing.	Ongoing.
Revised					
24	Propose revisions to regulations as appropriate	S/W Comm.	Revisions adopted	Review performance, ongoing.	Ongoing.
Revised					
25	Require deed restrictions	Planning Bd. & ConComm.	Require private long term maintenance	Review performance, ongoing.	Ongoing.
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 4 (Reliance on non-municipal partners indicated, if any	Planned Activities – Permit Year 5
26	Clean CB's regularly	Highway Dept.	Prevent debris from entering MS4	Clean all catch CB's annually.	Continue with cleaning CB's annually
Revised					
27	Sweep streets regularly	Highway Dept.	Prevent sand & debris from entering MS4	Sweep all streets annually, downtown area monthly	Continue with street sweeping program
Revised					
28	Use construction site BMP's for road repairs	Highway Dept.	Prevent erosion & sediment runoff	Evaluate existing control and BMP's installed by developers. Install hoods on new catch basins.	Employ BMP's if economically and environmentally feasible
Revised					
29	Store & dispose of excavation byproduct properly	Highway Dept.	Prevent erosion & sediment runoff	Dispose of byproducts at recycling plants	Continue with proper disposal
Revised					
30	Install BMP's to new and existing projects	Highway Dept.	Improve S/W quality	Install hoods on new catch basins	Continue with installing hoods
Revised					
Revised					

6a. Additions

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

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 4 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 5
31	Map MS4 outfalls	Highway Dept. & GPS Consultant	Updated map for MS4 outfalls	Continue to locate outfalls and existing drainage system	Continue to locate outfalls and existing drainage system
Revised					
32	Identify pollutants from MS4	Highway Dept. & Consultant	Test outfalls	Set up training seminar for testing	Attend seminar, use Neponset River Watershed Assoc.
Revised					
33	Identify source of pollutants into MS4	Highway Dept. & Consultant	Test MS4	Ongoing.	Training, use Neponset River Watershed Assoc.
Revised					
34	Eliminate source of pollutants in MS4	Highway Dept. & Consultant	Enforce Illicit Discharge Bylaw	Evaluate pollutant sources, determine method to eliminate.	Continue evaluation.
Revised					
35	Evaluate BMP's/Install BMP's	Highway Dept. & Consultant	Track performance of BMP's & install BMP's if required	Installing hoods in CB's, evaluate pollutant sources.	Evaluate BMP's installed by developers and hoods.
Revised					
Revised					

7a. Additions

7b. WLA Assessment

We have begun a procedure where all new catch basins installed by the Highway Dept. include hoods. The Fox. Highway Dept. also installs hoods in existing catch basins. This has been successful in improving stormwater quality. Our original Subdivision Control Regulations, enforcement of the state's Wetland Protection Act by the Conservation Commission, and our General Bylaws have been effective in improving the quality of stormwater runoff.

At the May 8, 2006 Annual Town Meeting an Illicit Discharge Bylaw was approved. The article has the full endorsement of the Selectmen and Advisory Committee (Finance Committee).

Water quality testing is being performed by the Neponset River Watershed Association and may be economically and technically advantageous to use this data.

We have also begun a program to subcontract private street sweeping services to supplement the Town's one street sweeper. This will significantly reduce the time to completely sweep the entire town. With the Town's streets being swept in a shorter period will result in less material entering the stormwater system.

Part IV. Summary of Information Collected and Analyzed

We are not at a point within the approved NOI to have performed any sampling and water quality testing with Town staff. However, the Neponset River Watershed Association is performing this testing.

Part V. Program Outputs & Accomplishments (OPTIONAL)

Programmatic

Stormwater management position created/staffed	N	
Annual program budget/expenditures	$0	

Education, Involvement, and Training

Estimated number of residents reached by education program(s)	100%	
Stormwater management committee established	Y	
Stream teams established or supported	N	
Shoreline clean-up participation or quantity of shoreline miles cleaned	N	
Household Hazardous Waste Collection Days		
▪ days sponsored	1 day/yr	
▪ community participation	5-10%	
▪ material collected	?	
School curricula implemented	Y	

Legal/Regulatory

	In Place Prior to Phase II	Under Review	Drafted	Adopted
Regulatory Mechanism Status (indicate with "**X**")				
▪ Illicit Discharge Detection & Elimination				5/8/06
▪ Erosion & Sediment Control	X			
▪ Post-Development Stormwater Management	X	X		
Accompanying Regulation Status (indicate with "**X**")				
▪ Illicit Discharge Detection & Elimination				5/8/06
▪ Erosion & Sediment Control	X			
▪ Post-Development Stormwater Management	X	X		

Mapping and Illicit Discharges

Outfall mapping complete	100%	
Estimated or actual number of outfalls	62	
System-Wide mapping complete	99% +	
Mapping method(s)		
▪ Paper/Mylar	N/A	
▪ CADD	100%	
▪ GIS	N/A	
Outfalls inspected/screened	10%	
Illicit discharges identified	20	
Illicit connections removed	0 (est. gpd)	
% of population on sewer	18%	
% of population on septic systems	82%	

Construction

Number of construction starts (>1-acre)	4	
Estimated percentage of construction starts adequately regulated for erosion and sediment control	100%	
Site inspections completed	100%	
Tickets/Stop work orders issued	0	
Fines collected	0	
Complaints/concerns received from public	0	

Post-Development Stormwater Management

Estimated percentage of development/redevelopment projects adequately regulated for post-construction stormwater control	100%	
Site inspections completed	100%	
Estimated volume of stormwater recharged	?	

Operations and Maintenance

Average frequency of catch basin cleaning (non-commercial/non-arterial streets)	Once/yr	
Average frequency of catch basin cleaning (commercial/arterial or other critical streets)	Once/yr	
Total number of structures cleaned	300	
Storm drain cleaned	600 L.F.	
Qty. of screenings/debris removed from storm sewer infrastructure	10 ton	
Disposal or use of sweepings (landfill, POTW, compost, recycle for sand, beneficial use, etc.)	Landfill & Compost	
Cost of screenings disposal	$500	

Average frequency of street sweeping (non-commercial/non-arterial streets)	Once/yr	
Average frequency of street sweeping (commercial/arterial or other critical streets)	Once/yr	
Qty. of sand/debris collected by sweeping	20 tons	
Disposal of sweepings (landfill, POTW, compost, beneficial use, etc.)	Landfill & Compost	
Cost of sweepings disposal	$40,000	
Vacuum street sweepers purchased/leased	$30,000	
Vacuum street sweepers specified in contracts	0	

Reduction in application on public land of: ("N/A" = never used; "100%" = elimination)		
▪ Fertilizers	0%	
▪ Herbicides	100%	
▪ Pesticides	0%	

Anti-/De-Icing products and ratios	48% NaCl 2% $CaCl_2$ 0% $MgCl_2$ 0% CMA 0% Kac 0% KCl 50% Sand	
Pre-wetting techniques utilized	Y	
Manual control spreaders used	Y	
Automatic or Zero-velocity spreaders used	N	
Estimated net reduction in typical year salt application	0%	
Salt pile(s) covered in storage shed(s)	Y	

Storage shed(s) in design or under construction	N	