Municipality/Organization: **FOXBOROUGH, MA**

EPA NPDES Permit Number: **MAR041115**

MassDEP Transmittal Number: **W-040607**

Annual Report Number & Reporting Period: **Year 10** **April 1, 2012 – March 31, 2013**

NPDES PII Small MS4 General Permit Annual Report
(Due: May 1, 2013)

Part I. General Information

Contact Person: Kevin Paicos Title: Town Manager

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

Mailing Address:Town of Foxborough Town Hall 40 South St. Foxborough MA 02035

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: Kevin Paicos

Printed Name: Kevin Paicos

Title: Town Manager

Date: April 28, 2013

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 our 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 the Part D Storm Water Program Summary.

Part D.1 BMP ID #5 Educate Students & Adults. We have prepared a Household Hazardous Waste brochure that the School Department has handed out to all students in the Foxborough School system (preschool, K through 12) just prior to the April vacation. We also launched the Town wide web page this year and have the brochure shown on our page. We now also plan to post the HHW day event on the web site almost 365 days in advance, as we have the day scheduled for the first Saturday in May on an annual basis. We also advertise the event in the local newspapers, CATV, hang a large banner on our building, and post the event on our local message board. The brochure is available at Town Hall and the Library. At this time the brochure is not been mailed to all adults within the Town. We also hope to have the Neponset River Watershed Association continue their educational efforts in Town.

Part D.2 BMP ID#10 Stencil CB's. DPW staff to perform the stenciling. All new CB's have cast warning.

Part D.2 BMP#12 Train staff in outfall inspection. We are attempting to locate a seminar to provide expertise in this area for our employees to attend. I have trained our Highway Supervisor for proper inspection of outfalls. This training has resulted in significant improvements to our outfalls; many of which had suffered from growth of trees and green weeds in the outfall area. The Neponset River Watershed Association has performed sampling and testing in Foxborough and this BMP should be evaluated and possibly revised to include their testing for adherence to the permit. Also, waiting for new NPDES permit with new requirements.

Also, progressing with purchase of additional sewer capacity and formation of Sewer District with Mansfield and Norton. Special legislation adopted by Legislature to allow forming of District. Additional sewer capacity will be used for prevention and elimination of failing septic systems and potential for pollution entering storm water system.

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	Initial public awareness	S/W MGR. & Highway Super.	Newspaper article, CATV bulletin, stencil CB's.	Media articles completed. Launched Town Web Site. HHW Brochure & HHW Day Advertised on Web.	Continue with progress.
Revised					
2	Form S/W Committee	S/W MGR.	Committee formed.	Local Committee formed.	Continue with progress of local & 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.	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 5 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 6
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

L

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
11	Map outfalls and MS4	Highway Dept / Consultant	Map of MS4	Continued with Map. Engineering student updated. Full time person for FY 2014.	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. Trained in-house resulting in cleaned outfalls.	Get staff trained. Waiting for new NPDES permit to identify sampling and inspection requirements.
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 5 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 6
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 5 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 6
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 5 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 6
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 are 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 and recycle in-house	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. BMPs 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 5 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year65
31	Map MS4 outfalls	Highway Dept. & GPS Consultant	Updated map for MS4 outfalls	Continue to locate outfalls and map 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, use Neponset River Watershed Assoc..
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 will continue with program to install hoods on all new catch basins installed by the Highway Departrment. 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.

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

We will continue 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. All streets are swept once per year.

Attended public hearing on draft regulations of proposed NPDES permit. Submitted verbal and written comments to EPA.

Awaiting new NPDES permit for inclusion of any new requirements.

Part IV. Summary of Information Collected and Analyzed

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)	N
Annual program budget/expenditures **	($)	$0
Total program expenditures since beginning of permit coverage	($)	$0
Funding mechanism(s) (General Fund, Enterprise, Utility, etc)		Exist. Staff

Education, Involvement, and Training

Estimated number of property owners reached by education program(s)	(# or %)	100%
Stormwater management committee established	(y/n)	Y
Stream teams established or supported	(# or y/n)	N
Shoreline clean-up participation or quantity of shoreline miles cleaned **	(y/n or mi.)	N
Shoreline cleaned since beginning of permit coverage	(mi.)	0
Household Hazardous Waste Collection Days		
▪ days sponsored **	(#)	1
▪ community participation **	(# or %)	5-10%
▪ material collected **	(tons or gal)	By Vendor
School curricula implemented	(y/n)	Y

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					5/8/06
▪ Erosion & Sediment Control	X	X			
▪ Post-Development Stormwater Management	X	X			
Accompanying Regulation Status (indicate with "**X**")					
▪ Illicit Discharge Detection & Elimination					5/8/06
▪ Erosion & Sediment Control	X	X			
▪ Post-Development Stormwater Management	X	X			

Mapping and Illicit Discharges

	(Preferred Units)	Response
Outfall mapping complete	(%)	100%
Estimated or actual number of outfalls	(#)	62
System-Wide mapping complete (complete storm sewer infrastructure)	(%)	99+%
Mapping method(s)		
▪ Paper/Mylar	(%)	N/A
▪ CADD	(%)	100%
▪ GIS	(%)	N/A
Outfalls inspected/screened **	(# or %)	90%
Outfalls inspected/screened (Since beginning of permit coverage)	(# or %)	95%
Illicit discharges identified **	(#)	20
Illicit discharges identified (Since beginning of permit coverage)	(#)	20
Illicit connections removed **	(#); and (est. gpd)	0
Illicit connections removed (Since beginning of permit coverage)	(#); and (est. gpd)	0
% of population on sewer	(%)	18%
% of population on septic systems	(%)	82%

Construction

	(Preferred Units)	Response
Number of construction starts (>1-acre) **	(#)	1
Estimated percentage of construction starts adequately regulated for erosion and sediment control **	(%)	100%
Site inspections completed **	(# or %)	100%
Tickets/Stop work orders issued **	(# or %)	0
Fines collected **	(# and $)	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 (for proper BMP installation & operation) completed **	(# or %)	100%
BMP maintenance required through covenants, escrow, deed restrictions, etc.	(y/n)	Y
Low-impact development (LID) practices permitted and encouraged	(y/n)	Y

Operations and Maintenance

Average frequency of catch basin cleaning (non-commercial/non-arterial streets) **	(times/yr)	Once/Yr
Average frequency of catch basin cleaning (commercial/arterial or other critical streets) **	(times/yr)	Once/Yr
Qty of structures cleaned **	(#)	300
Qty. of storm drain cleaned **	(%, LF or mi.)	2000 L.F.
Qty. of screenings/debris removed from storm sewer infrastructure **	(lbs. or tons)	10 Tons
Disposal or use of screenings (landfill, POTW, compost, beneficial use, etc.) **	(location)	Landfill & Compost

Basin Cleaning Costs		
• Annual budget/expenditure (labor & equipment)**	($)	$12,000/Yr
• Hourly or per basin contract rate **	($/hr or $ per basin)	N.A.
• Disposal cost**	($)	$2,000
Cleaning Equipment		
• Clam shell truck(s) owned/leased	(#)	1 Owned
• Vacuum truck(s) owned/leased	(#)	1 Leased
• Vacuum trucks specified in contracts	(y/n)	N
• % Structures cleaned with clam shells **	(%)	100%
• % Structures cleaned with vactor **	(%)	0%

	(Preferred Units)	Response
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)	20 Tons
Disposal of sweepings (landfill, POTW, compost, beneficial use, etc.) **	(location)	Landfill & Compost
Annual Sweeping Costs		
• Annual budget/expenditure (labor & equipment)**	($)	$25,000
• Hourly or lane mile contract rate **	($/hr. or ln mi.)	$75/Hr
• Disposal cost**	($)	$2,000
Sweeping Equipment		
• Rotary brush street sweepers owned/leased	(#)	1 Own/1Lease
• Vacuum street sweepers owned/leased	(#)	0
• Vacuum street sweepers specified in contracts	(y/n)	N
• % Roads swept with rotary brush sweepers **	%	100%
• % Roads swept with vacuum sweepers **	%	0%

Reduction (since beginning of permit coverage) in application on public land of: ("N/A" = never used; "100%" = elimination)		
▪ Fertilizers	(lbs. or %)	0%
▪ Herbicides	(lbs. or %)	100%
▪ Pesticides	(lbs. or %)	0%
Integrated Pest Management (IPM) Practices Implemented	(y/n)	Y

	(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	48% 0% 2% 0% 0% 0% 50%
Pre-wetting techniques utilized **	(y/n or %)	Y
Manual control spreaders used **	(y/n or %)	Y
Zero-velocity spreaders used **	(y/n or %)	N
Estimated net reduction or increase in typical year salt/chemical application rate	(±lbs/ln mi. or %)	0%
Estimated net reduction or increase in typical year sand application rate **	(±lbs/ln mi. or %)	0%
% of salt/chemical pile(s) covered in storage shed(s)	(%)	100%
Storage shed(s) in design or under construction	(y/n or #)	N
100% of salt/chemical pile(s) covered in storage shed(s) by May 2010	(y/n)	Y

Water Supply Protection

Storm water outfalls to public water supplies eliminated or relocated	# or y/n	N
Installed or planned treatment BMPs for public drinking water supplies and their protection areas	# or y/n	N
• Treatment units induce infiltration within 500-feet of a wellhead protection area	# or y/n	N