Municipality/Organization: **Town of Uxbridge**

EPA NPDES Permit Number: **MAR-04-1166**

MaDEP Transmittal Number: **W- 050211**

Annual Report Number & Reporting Period: **No. 5: March 07-March 08**

P 4/15/08

NPDES PII Small MS4 General Permit Annual Report

Part I. General Information

Contact Person: Larry Bombara Title: Director of Public Works

Telephone #: (508) 278- 8616 Email: supt.dpw@uxbridge-ma.gov

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: Lawrence E. Bombara

Printed Name: Lawrence E. Bombara

Title: Supt DPW

Date: 4/14/08

Part II. Self-Assessment

The Town of Uxbridge has completed the required self-assessment and has determined that our municipality is in compliance with all permit conditions, except for the following provisions:

Part II.B.1-6 Any Provisions of Part II.B.1-6 that have not been met are detailed in Part III below.

Part II.B.8 The Town encourages BMPs that promote groundwater recharge and Standard 3 of the state Storm Water Management Policy. However, specific groundwater recharge/infiltration policies have not yet been developed.

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 and 7
1.1	Classroom Education on Stormwater	Department of Public Works	Three grade levels participate, three sets of educational materials, two workshops for teachers.	Materials from the EPA, BRWA and DEP distributed to the public schools. Teachers currently teaching environmental sciences to three plus grade levels.	Continue distribution of materials and teaching of environmental science classes.
Revised					
1.2	Flyer and Brochure Distribution	Department of Public Works	Develop and distribute one flyer and two fact sheets, distribute in utility bills and Town buildings (eg. DPW, library, town hall).	One flyer and two fact sheets developed and distributed.	Continued to distribute flyers to Uxbridge Residents in Urban Areas. Develop and distribute two fact sheets per year.
Revised					
1.3	Using the Media	Department of Public Works	One article published local cable service announcement and press release each year.	One article published and local cable service announcement.	One article published, local cable service announcement, and press release each year.
Revised					
1.4	Hazardous Waste Management	Department of Public Works	Track the amount of household hazardous waste collected during days.	Continued teaming with Town of Blackstone to hold joint monthly (formerly weekly) collection days in Blackstone. Additionally, metals recycling collections are conducted 2-3 days per week.	Continue to team with the Town of Blackstone to hold monthly collection days.
Revised			Team with neighboring town to hold monthly collection days.		

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 and 7
2.1	Storm Water Committee	Department of Public Works	Establish committee and meet quarterly.	Committee established and periodic meetings being held.	Continue meetings.
Revised					
2.2	Stream Cleanup and Monitoring	Department of Public Works	Create a document which outlines procedures for stream cleanup and monitoring.	Two cleanups performed along the Blackstone Canal by local groups.	Local groups will continue yearly cleanups.
Revised			Yearly cleanups by local groups		
2.3	Stencil Storm Drains	Department of Public Works	Prioritize areas to be stenciled. Stencil 30 storm drains per year starting in year three.	All town storm drains have been stenciled and are re-stenciled yearly.	Continue yearly re-stenciling of storm drains.
Revised					
2.4	Attitude Surveys	Department of Public Works	Two surveys completed, compiled and analyzed.	Committee In process of creating surveys.	Complete, compile and analyze first attitude survey.
Revised					
2.5	Community Hotline	Department of Public Works	Establish hotline, track number of calls and number of problems/incidents remedied.	Hotline established (508-278-8617) and advertised on local cable TV channel. Three calls received on hotline, no actual problems/incidents reported.	Continue to track number of calls and number of problems/incidents remedied.
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 and 7
3.1	Illicit Discharge Bylaw or Regulation	Department of Public Works	Develop bylaw and present it to the Town meeting or adopt a regulation.	Committee developed bylaw to be voted on May 13, 2008.	Implement bylaw.
Revised					
3.2	Drainage System Inspections and Mapping	Department of Public Works	Locate drainage structures with GPS unit, update the GIS databases and system map, and inspect each structure.	Completed previously.	None.
Revised					
3.3	Inspect and Sample Discharges in UAs	Department of Public Works	Inspect and sample discharges in Urban Areas if flow is present.	Teamed with the Blackstone River Coalition and identified approximately 25 outfalls, only 3 of which had dry weather flow. Collected samples from all three.	None.
Revised			Inspect discharges after mapping is complete and sample if flow is present.		

3.4	Illegal Dumping Education	Department of Public Works	Track the number of educational tools distributed, illegal dumps reported, penalties, rewards to citizens, and illegal dumps cleaned up.	Illegal dumping materials have been provided to schools in BMP's 1.1 and 1.2. Four calls received on hotline in year 4, one actual problem/incident resolved.	Track the number of educational tools distributed, illegal dumps reported, penalties, rewards to citizens, and illegal dumps cleaned up.
Revised			Coordinate with non-municipal partner to include illegal dumping materials in the classroom education, flyers and brochures in BMP's 1.1 and 1.2. Track the number of educational tools distributed, illegal dumps reported, penalties, rewards to citizens, and illegal dumps cleaned up.		
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 and 7
4.1	Soil and Erosion Control Bylaw or Regulation	Department of Public Works	Develop bylaw and present it to the Town meeting, or adopt a regulation.	Committee developed bylaw to be voted on May 13, 2008.	Implement bylaw.
Revised					
4.2	Construction Inspections	Department of Public Works	DPW to inspect construction activities on a weekly basis. Report number of complaints from residents.	Town has been inspecting construction activities on a weekly basis. None reported out of compliance. No construction-related complaints from residents have been reported.	DPW will continue to inspect construction activities on a weekly basis. Report number of complaints from residents.
Revised			Develop inspection form for documenting inspections.		
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 and 7
5.1	Bylaw or Regulation for Post Construction Runoff	Department of Public Works	Develop bylaw and present it to the Town meeting or adopt a regulation.	Committee developed bylaw to be voted on May 13, 2008.	Implement bylaw.
Revised					
5.2	BMP Inspection and Maintenance	Department of Public Works	Inspect all Town maintained structural BMPs bi-annually, document the number of problems identified and remedied, review changes in water quality of effluent.	Completed year 5 inspections of Town maintained structural BMPs.	Inspect all Town maintained structural BMPs, document the number of problems identified and remedied, and review changes in water quality of effluent.
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 and 7
6.1	Predictive Catch Basin Program	Department of Public Works	Develop a standardized catch basin and storm drain inspection program, collect data, refine based on trends.	The Town has completed the standardized catch basin and storm drain inspection program.	Continue the catch basin and storm drain inspection program, collect data, refine based on trends.
Revised					
6.2	Street Cleaning	Department of Public Works	Sweep all streets once in years 1-2, twice in years 3-5, sweep all parking lots annually, in year five sweep lots twice.	Town has swept all parking lots and the streets in the UAs twice in year 5.	The Town will sweep all streets in UAs twice in years 6 and 7. Sweep all parking lots annually.
Revised					
6.3	Investigate Town Owned BMPs for Retrofit Opportunities	Department of Public Works	Inspect all the BMPs annually.	Full inspection of all BMPs has been completed.	Inspect all the BMPs annually.
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 Year 6 and 7
N/A	No TMDLs have been established thus far.				
Revised					
Revised					
Revised					
Revised					
Revised					
Revised					

7a. Additions

7b. WLA Assessment

Part IV. Summary of Information Collected and Analyzed

Through the use of a Town-owned scoop truck and a small contract with an independent contractor, all catch basins in the entire Town drainage system were cleaned in 2007. The Town plans to continue a yearly cleaning schedule of all catch basins. This information will be used to help develop the catch basin and drainage inspection program.

The Town teamed with the Blackstone River Coalition to conduct dry weather sampling in year five. None of the three outfalls with dry weather flow contained unacceptable levels of E. coli.

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 % $CaCl_2$ % $MgCl_2$ % 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)	

Storage shed(s) in design or under construction	(y/n)	

BETA Group, Inc.
Engineers • Scientists • Planners

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April 7, 2008

Ann Herrick - CIP
U.S. Environmental Protection Agency – Region 1
1 Congress Street, Suite 1100
Boston, MA 02114-2023

RE: NPDES PII Small MS4 General Permit 2008 Annual Report
Town of Uxbridge, MA.

Dear Ms. Herrick,

Please find the attached NPDES PII Small MS4 General Permit Annual Report (with original signature) which has been prepared by BETA Group, Inc. for the Town of Uxbridge, Massachusetts. Please call me at (401) 333-2382 with any questions.

Very truly yours,
BETA Group, Inc.

Joseph R. McLoughlin II, LEP, LSP
Project Manager

Cc: Fred Civian, DEP
Larry Bombara, Town of Uxbridge