Municipality/Organization: Town of Framingham

EPA NPDES Permit Number: MA R041116

MaDEP Transmittal Number: **W-041299**

Annual Report Number & Reporting Period: **No. 4: March '06 – March '07**

NPDES PII Small MS4 General Permit Annual Report

Part I. General Information

Contact Person: Julian Suso 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: Julian M Suso

Printed Name: Julian Suso

Title: Town Manager

Date: 4/13/07

Part II. Self-Assessment

The Town of Framingham has completed the required self-assessment for Permit Year Four and finds that our municipality is in compliance in general with the permit conditions. A delay has occurred with the Illicit Discharge Detection and Elimination by-law. This by-law is planned to be presented at a Special Town Meeting in the Fall of 2007.

Based on the experience of other towns (see summary of Goal 4-2), we determined that localized efforts at public education and outreach would better serve our stormwater management needs. We therefore instituted multiple presentations and forums, and have already held four of these events. There are three more events planned for this summer, including an Earth Day event April 28, a rain barrel Sale event May 22, and an evening presentation in June to the general public.

In addition, we have experienced slower than expected progress in developing an acceptable Stormwater (or Drainage) Master Plan, due to the complexities of the town's drainage system, the local hydrogeology/hydrology, and evolving recommendations for Best Management Practices. We first completed a plan entitled *Framingham Stormwater Management Plan*, dated July 2003. Unfortunately the 2003 plan did not present comprehensive solutions for the town's stormwater issues, and therefore we determined that a revised version would be required. We then completed a preliminary plan, entitled *Supplemental Stormwater Services Summary Report* and dated November 2006, and are now in the process of developing a more comprehensive Stormwater Master Plan for each of 22 sub-basins identified in the preliminary plan. The first installment of this comprehensive plan will address the issues and requirements of the two sub-basins with the most difficult problems and therefore the highest priority for implementing improvements, namely the Beaver Dam Brook and Farm Pond Sub-Basins. This installment is expected to be completed by Winter 2008. Our plan is to then address the needs of the four remaining high-priority sub-basins of Angelica Brook, Jacobs Brook, Lokerville, and Cochituate Brook as a second installment to the Stormwater Master Plan. Once each installment is completed, we plan to begin implementing the changes recommended by the installment.

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
4-1	Year 4 BMP called for the SuAsCo Stormwater Media Campaign	SuAsCo/ Framingham DPW	4 press releases to be placed in local newspapers	One press release on Rain barrels has been distributed (July 2006). The remainder will be distributed in the Spring of 2007. A stormwater flyer has been prepared and will be distributed to 100% of businesses in the Spring of 2007.	Show stormwater video at one public meeting and once on cable station. Publish the 4 press releases from Year 4 original requirements.
Revised	*Distribute Stormwater flyer to selected businesses.*	*SuAsCo/ Framingham DPW*	*Stormwater flyer distributed to 25% of selected businesses*		

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
4-2	Local Stormwater Summit	SuAsCo/ Framingham, DPW	Summit held for the town.	Learning from the experience of surrounding towns (one town's summit drew only 25 people), Framingham held 4 mini-summits to targeted audiences. This was approved by the EPA in the Fall of 2006. Presentations were made to the Lions Club (10/11/06, 20 attendees); Rotary Club (11/13/06, 45 attendees); Ministers' Interfaith Alliance (11/16/06, 15 attendees); and the League of Women Voters (12/4/06, 15 attendees). SuAsCo provided the materials for the presentations. The Town also advertised for and held a rain barrel Sale in August 2006. About 70 residents bought rain barrels.	Send self-test to 25% of municipal households. Participate in a Super Summit. The Town received 3 stenciling kits from SuAsCo in March 2007, and will be recruiting citizens at Earth Day (April 28) and this year's Rain barrel Sale (May 22) as well as a Public Presentation (June 11 or 18) to start stenciling in the Town.
Revised	*Hold mini-summits to targeted audiences.*	*SuAsCo/ Framingham DPW*	*Hold at least 4 mini-summits to targeted audiences*		

2a. Additions

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
4-2	Flood Mitigation Grant Applications	Framingham, DPW	Public meetings to discuss and apply for hazard mitigation grants through FEMA (FMA and PDM grants)	The DPW coordinated, through the Town's Hazard Mitigation Planning Committee, applications for two grants through FEMA, the Flood Mitigation Grant and the Pre-Disaster Mitigation Grant. These applications involved public participation, especially targeting residents with repetitive loss structures.	If funded, these grants will provide the Town with an education and outreach tool in the form of flood prevention structures. These will help residents understand the nature of flooding and the contribution of stormwater on impervious surfaces to flood events in Town.

3. 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
4-3	Develop illicit discharge elimination program and by-law. .	Framingham DPW/ConComm	Implement plan to detect and eliminate illicit discharges.	A draft IDDE by-law (as well as attendant regulations) has been prepared, and is planned to be presented at the Fall 2007 Town Meeting. The detailed analysis of Beaver Dam Brook Sub-basin has begun. This was identified as the greatest priority relative to water quality and flooding in an area of major redevelopment in Framingham. The study includes evaluation of water quality and potential sources of pollution.	Continue to implement IDDE Plan.
Revised	*Add a task to prepare a detailed analysis of 2 sub-basins in town.*	*Framingham DPW*	*For the 2 sub basins: Updated GIS drainage layer showing outfalls, Evaluation of water quality and potential contaminant sources*		

4. Construction Site Stormwater Runoff Control

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 4	Planned Activities – Permit Year 5
4-4	Construction site run-off controls.	Framingham DPW/Con Comm	Review, implement, inspect and enforce construction site runoff controls.	Construction site runoff controls are regulated in the Town's Subdivision and Zoning by-laws and are implemented as part of the normal planning review process. DPW Inspectors routinely monitor the implementation of controls at construction sites.	Continue to implement regulations and standards in plan review and approval process. These will include incorporation of revised construction standards and details for stormwater structures and pavement (including LID methods) in the Town's Subdivision Rules and Regulations for reference by development proponents.
Revised					

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
4-5	Implement Drainage Master Plan.	Framingham DPW/Con Comm	Implement the plan over remaining years of permit.	The final report of the Supplemental Stormwater Services Summary Report was produced in November 2006. The Beaver Dam Brook/Farm Pond study is under way (see BMP #4-3) and is expected to be complete by January 2008.	Continue to develop the Master Drainage Plan.
Revised					

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
4-6	Log collections from street sweeping.	Framingham DPW	Create the plan.	A draft street sweeping and catch basin cleaning plan is currently being reviewed within DPW. A summary of the practice is as follows: Street sweepings are performed once per year for all roads; once every month for at least 10 months (sometimes not performed in January or February) for all arterial roads and collectors, and nightly for the downtown area. For the first time in many years, catch basin cleaning was performed for all catch basins at least once during the year, and more often in identified problem areas. The Town is currently logging the locations where catch basins are more frequently clogged to create a database of problem areas to clean more frequently. Cleanings totaled approximately 300 yards of material, which was disposed of as solid waste at the Wayland Sand Hill Landfill. The cleanings did not contain any contaminants above the level required by the landfill.	Continue to evaluate effectiveness of the sweeping and catch basin cleaning program.
Revised	*Log collections from CB cleaning*		*Collection, sampling, and disposal of CB cleaning*		

6a. Additions [none]

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 4 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 5
				DEP has not released the TMDL report and targets for the Sudbury River.	Once the TMDL report is released by DEP, develop plans to obtain the goals.
Revised					
Revised					

7a. Additions

7b. WLA Assessment

Not applicable

Part IV. Summary of Information Collected and Analyzed

In 2003, information on 490 outfalls was collected and analyzed by Rizzo Associates, Framingham, MA. In 2004, S E A Consultants continued those efforts to map and conditionally assess the Town's drainage system. Based on GPS location, as-built record drawings and field observations, 12,365 drainage structures and 12,254 conveyance systems have been identified and mapped. Drainage structures include: manholes, catch basins, outfalls, culvert inlets and outlets, and other such system features. Conveyance systems include: pipes, swales, culverts and infiltrators. Concurrent with the mapping efforts, S E A performed conditional assessment on the large conveyance systems (i.e. large diameter pipes and centralized drainage swales), and conducted water quality sampling at over twenty locations.

During the Spring of 2007, approximately 800 drainage structures (all 500 manholes and 300 of 1300 catch basins; and connecting pipes for all 800 structures) in the Beaver Dam Brook and Farm Pond Sub-Basins are being characterized as to their drainage capacity, including rim and invert elevations; drainage structure size; construction materials; and condition (good, fair and poor). This information will be entered into our computerized drainage system. See BMP #4-3 for other information on this project. In addition, the 92 outfalls in these sub-basins will be GPS-located and logged into the computerized drainage system