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Municipality/Organization: Town of Framingham

EPA NPDES Permit Number: MA R041116

MaDEP Transmittal Number: W-041299

**Annual Report Number
& Reporting Period:** No. 7: March '09 – March '10

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: 

Printed Name: Julian Suso

Title: Town Manager

Date: 4/16/10

Part II. Self-Assessment

The Town of Framingham has completed the required self-assessment for Permit Year Seven and finds that our municipality is in compliance in general with the permit conditions.

The second phase of the Town's Stormwater Master Plan was approved with funding at the 2009 Annual Town Meeting. Work began on this phase in February 2010. It addresses issues and requirements of five sub-basins with a level of difficulty of problems next after the two sub-basins studied in the first phase. The five sub-basins include Angelica Brook, Jacobs Brook, Sucker Pond, Lokerville, and Cochituate Brook Sub-Basins. The plan will look at the hydrology of the watershed in these sub-basins, the infrastructure, and potential solutions for problems of flooding, capacity, water quality, and recharge. The Town is in the process implementing another of the recommended projects from the first phase of the study, namely replacement or rehabilitation of structures at high risk with high consequence of failure.

The Town undertook several education and participation efforts, including:

- Drain marking by the McAuliffe Regional Charter Public School, April 2009
- Neighborhoods-wide notifications regarding illicit discharges as they occur, including SuAsCo materials in the notifications
- Drain marking (third year) by the Framingham High School Environmental Club, May 2009
- Rain Barrel promotion and sales, May 2009

The Town performed IDDE monitoring and sampling for bacteria at outfalls identified as high risk in the five sub-basins. High levels of bacteria were found in several of the outfalls during wet weather sampling. The report is attached. We plan to target these areas again this coming year to determine specific locations plans for improvement of water quality.

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 7 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 8 and beyond
NA	Create uses for SuAsCo postcards	SuAsCo/ Framingham DPW	NA (none created for the 7 th permit year)	SuAsCo Postcards continue to be included in notifications that were mailed to neighborhoods where illicit discharges were observed by Town staff.	Continue public education as part of IDDE management program. Remainder to be determined for the next 5-year permit based on EPA requirements to be published.

2. Public Involvement and Participation

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 7 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 8 and beyond
NA	Continue Drain Marking Program	SuAsCo/ Framingham, DPW	NA (none created for the 6 th permit year)	The Town organized a 3 rd drain marking program with the local high school in May 2009. The McAuliffe Regional Charter Public School conducted a drain marking project as part of its Earth Day event in April 2009. The Town sponsored a 4th successful Rain Barrel distribution program in May 2009. Over 150 barrels were purchased by residents.	To be determined for the next 5-year permit based on EPA requirements to be published.

3. Illicit Discharge Detection and Elimination

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 7 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 8 and beyond
NA	Continue implementation of IDDE bylaw and program.	DPW, with participation by Con Comm, Board of Health, Dept of Inspectional Services	<i>Implement IDDE outfall monitoring program.</i>	Dry and wet weather bacteria monitoring and sampling was performed in the following sub-basins: Sucker Pond Lokerville Cochituate Brook, Jacobs Brook, Angelica Brook.	<p>Monitoring and sampling to be performed at major outfalls in the Lokerville, Jacobs Brook, Cochituate, Angelica Brook, and Sucker Pond Sub-Basins. Samples will be taken, based on visual inspection, for:</p> <ul style="list-style-type: none"> - temperature - pH - phosphorus - nitrogen (as ammonia) - detergents - chlorine <p>Problem areas from the 2009 round will be re-tested for e. coli. A management plan will be developed to address the problem areas.</p> <p>Other activities to be determined for the next 5-year permit based on EPA requirements to be published.</p>

4. Construction Site Stormwater Runoff Control

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 7	Planned Activities – Permit Year 8 and beyond
NA	Construction site runoff controls	Framingham DPW/Comm	Review, implement, inspect and enforce construction site runoff controls.	Plans that come before the Planning Board are reviewed using the Massachusetts DEP Stormwater Management Standards. These plans include all construction that falls under the requirements for the NPDES Phase II permit, whether it is near a wetland (as regulated by Massachusetts DEP) or not. Detailed stormwater impact analysis is required as part of this review.	Other activities to be determined for the next 5-year permit based on EPA requirements to be published.

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 7 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 8 and beyond
NA	Implement Drainage Master Plan.	Framingham DPW/Comm	Continue implementation.	The second phase of the Stormwater Master Plan is under way, looking at the next 5 most difficult subbasins (Sucker Pond Lokerville Cochituate Brook, Jacobs Brook, Angelica Brook).	Substantially complete the Phase II Stormwater Master Plan. Other activities to be determined for the next 5-year permit based on EPA requirements to be published.

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 7 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 8 and beyond

NA	Evaluate CB Cleaning	Framingham DPW	Implement the Plan.	Effectively all catch basins in Town were cleaned this year, due to unusual funding availability. Additional: Provided stormwater training to Sanitation, Highway, Sewer, and Engineering DPW staff.	Return to normal operations (cleaning of one-third to one-half of all catch basins in Town per year) Provide training to Water and Fleet DPW staff. To be determined for the next 5-year permit based on EPA requirements to be published.
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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 7 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 7 and beyond
				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.

7b. WLA Assessment
Not applicable

Part IV. Summary of Information Collected and Analyzed

As part of the SWMP described in Part II of this report, drainage systems, outfalls, and receive waters were identified and a plan was developed for monitoring and maintenance of these drainage systems under the DPW's SWPPP.

Results of IDDE monitoring and sampling at the Angelica, Jacobs Brook, Sucker Pond, Cochituate Brook, and Lokerville Sub-Basins are provided in the attached report. Sampling was performed under both wet and dry conditions during the summary of 2009. We will further assess the data and target the problem areas for water quality improvement in 2010.

A log of IDDE problems and resolutions is attached.