

**Municipality/Organization:** Town of Framingham

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**EPA NPDES Permit Number:** MA R041116

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**MaDEP Transmittal Number:** W-041299

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**Annual Report Number  
& Reporting Period:** No. 11: March '13 – March '14

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## **NPDES PII Small MS4 General Permit Annual Report**

### **Part I. General Information**

**Contact Person:** Robert Halpin **Title:** Town Manager

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**Telephone #:** 508-532-5400 **Email:** rhalpin@Framinghamma.gov

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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:**

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**Printed Name:** Robert Halpin

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**Title:** Town Manager

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**Date:** 4/1/2014

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## Part II. Self-Assessment

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

Work was completed on the third phase of the Town's Stormwater Master Plan in February 2014. It addresses issues and requirements of four sub-basins with a level of difficulty of problems next after the five sub-basins studied in the first and second phases. The four sub-basins include the Hop Brook, Dunsdell Brook, 9/90, and Old Town Center Sub-Basins. The plan looked 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 continuing to implement the recommended projects from the first phase of the master plan, namely replacement or rehabilitation of structures at high risk with high consequence of failure. There are ten remaining sub-basins after the Phase III study: North Saxonville, South Saxonville, Baiting Brook, Birch Meadow Brook, Square Meadow Brook, Cherry Meadow Brook, Willow Brook, North Reservoir, South Reservoir, and Course Brook [Wayside Inn is outside the MS4 area].

The Town undertook several education and participation efforts, including:

- Neighborhood-wide notifications regarding illicit discharges as they occur, including SuAsCo materials in the notifications
- Provided educational materials at the Town's Earth Day (April 28, 2012) and Riverfest (June 24, 2012) celebrations.
- Gave a stormwater lecture at Framingham State University in April, 2013.
- Continued coordination with and encouraging local watershed groups, including: SuAsCo, OARS, Lake Cochituate Watershed Council, Framingham Sierra Club, and Framingham State University student field projects.

The Town performed water quality monitoring and sampling at outfalls identified as high risk in the sub-basins of Farm Pond and Beaver Dam Brook, and Wayside Inn.

## 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 11<br>(Reliance on non-municipal partners indicated, if any)                                                                                                                                                                          | Planned Activities – Permit Year 12 and beyond                                                                                                                                                                                    |
|----------|--------------------------------------------------------------------------------------------|-------------------------------|--------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NA       | Continue to find uses for SuAsCo postcards.<br><br>Participate in Earth Day and Riverfest. | SuAsCo/<br>Framingham<br>DPW  | NA (none created for the 11 <sup>th</sup> permit year) | SuAsCo Postcards continue to be included in notifications that were mailed to neighborhoods where illicit discharges were observed by Town staff.<br><br>Stormwater Booth at Earth Day Celebration and at Riverfest.<br><br>Give lecture at Framingham State University | Continue public education as part of IDDE management program.<br>Continue participation in environmentally related events<br><br>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 11<br>(Reliance on non-municipal partners indicated, if any) | Planned Activities – Permit Year 12 and beyond                                         |
|----------|------------------------------------------------------------------------|-------------------------------|--------------------------------------------------------|------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
| NA       | Continue Drain Marking Program<br><br>Provide support to local groups. | SuAsCo/<br>Framingham,<br>DPW | NA (none created for the 11 <sup>th</sup> permit year) | Provided assistance to local groups                                                            | 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 11<br>(Reliance on non-municipal partners indicated, if any)                                                                                                                                                                                                                                                                                                                                                                                                                                           | Planned Activities – Permit Year 12 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> | <p>Monitoring and sampling performed at major outfalls in the Farm Pond, Beaver Dam Brook, and Wayside Inn sub basins. Samples were taken, based on visual inspection, for:</p> <ul style="list-style-type: none"> <li>- temperature</li> <li>- pH</li> <li>- phosphorus (total)</li> <li>- nitrogen (as ammonia)</li> <li>- detergents</li> <li>- chlorine</li> <li>- bacteria (coliform)</li> <li>- conductivity</li> <li>- dissolved oxygen</li> </ul> <p>A more robust set of criteria was developed to determine problem areas.</p> | <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 for the parameters listed in the previous column.</p> <p>Follow-up sampling will be performed at 7 locations from Year 11 monitoring program to determine whether the problems are persisting.</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 11                                                                                                                                                                                                                                                                                                                                         | Planned Activities – Permit Year 12 and beyond                                                          |
|----------|-----------------------------------|-------------------------------|---------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|
| NA       | Construction site runoff controls | Framingham DPW/Con Comm       | Review, implement, inspect and enforce construction site runoff controls. | Plans that come before the Planning Board were reviewed using the Massachusetts DEP Stormwater Management Standards. These plans include all construction that fell under the requirements for the NPDES Phase II permit, whether it was near a wetland (as regulated by Massachusetts DEP) or not. Detailed stormwater impact analysis was 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 11<br>(Reliance on non-municipal partners indicated, if any)                                                            | Planned Activities – Permit Year 12 and beyond                                                          |
|----------|---------------------------------|-------------------------------|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|
| NA       | Implement Drainage Master Plan. | Framingham DPW/Comm           | Continue implementation. | The third phase of the Stormwater Master Plan was completed February 2014, looking at 4 sub-basins (Hop Brook, Dunsell Brook, Old Town Center, and 9/90). | 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 11<br>(Reliance on non-municipal partners indicated, if any)                                                                                                      | Planned Activities – Permit Year 12 and beyond                                                                                                                              |
|----------|----------------------|-------------------------------|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NA       | Evaluate CB Cleaning | Framingham DPW                | Implement the Plan. | More than half the catch basins (CBs) in Town were cleaned this year.<br><br>Jettied, cleaning and TV survey of lines especially identified as High Risk from the Phase III Stormwater Master Plan. | Return to normal operations (clean one-half of CBs per year)<br><br>Other activities to be determined for the next 5-year permit based on EPA requirements to be published. |

### 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 11<br>(Reliance on non-municipal partners indicated, if any) | Planned Activities – Permit Year 12 and beyond                       |
|----------|-----------------|-------------------------------|--------------------|------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|
|          |                 |                               |                    | DEP has not released the TMDL report and targets for the Sudbury River.                        | Once the TMDL report is released, develop plans to obtain the goals. |

### 7b. WLA Assessment - Not applicable

### Part IV. Summary of Information Collected and Analyzed

Results of Water Quality monitoring and sampling at the Farm Pond, Beaver Dam Brook, and Wayside Inn Sub Basins are provided in the attached report. We will further assess the data and target the problem areas for water quality improvement in 2014.

A log of IDDE problems and resolutions is attached. Several illicit discharges were investigated.

**Town of Framingham  
Illicit Discharges or Connections**

Last update: March 21, 2013

| Str. No.                           | Street               | Applicable Authority | Status     | Open Date | Problem and Resolution                                                                                                                                                                                   | Close Date | Notes                                                                                                                      |
|------------------------------------|----------------------|----------------------|------------|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|----------------------------------------------------------------------------------------------------------------------------|
| <b>Permit Year 4 (2006 - 2007)</b> |                      |                      |            |           |                                                                                                                                                                                                          |            |                                                                                                                            |
| 1                                  | 51 Mellen St         | Con Com / DEP        | Resolved   | 2/2/07    | Illicit discharge to Town drain, discharging to wetland. Photo processing silver compounds                                                                                                               | 6/11/07    | Reported to DEP, cleaned up under MCP, RTN 3-26580                                                                         |
| <b>Permit Year 5 (2007 - 2008)</b> |                      |                      |            |           |                                                                                                                                                                                                          |            |                                                                                                                            |
| 2                                  | 115 Howe Street      | DPW                  | In Process | 5/18/07   | Illicit connection from residence to catch basin. Catch basin is eroding. Area around CB eroded with private property drainage.                                                                          |            | Fixed 2007, re-reported January 2008. Hwy investigating                                                                    |
| 3                                  | Centennial Place     | DPW                  | Resolved   | 10/3/07   | Outlet to wall southwest of dam - 15" clay pipe in stone wall (upstream of Colonna Bridge)                                                                                                               | 10/4/07    | Sewer Overflow. Sealed by DPW, sewer backup in main trunkline repaired.                                                    |
| 4                                  | 10 Snow Street       | DPW                  | In Process | 10/18/07  | Parking lot catch basin was connected to drainage line in the fall of 2007, outfall to Beaver Dam Brook (American Rooters Suburban Athletic Club)                                                        |            | See hand-drawn sketch by B. McCarty. Engineering to follow up following IDDE regulations implementation                    |
| 5                                  | 39 Grant             | DPW                  | Resolved   | 1/4/08    | GW pumping disconnected byowner from sewer at Sewer Dept's order. Potential illicit connection to drainage system                                                                                        | 2/20/09    | No drain line seen. Likely intermitently used after storm events.                                                          |
| 6                                  | 683 Water Street     | DPW-DEP              | Resolved   | 1/28/08   | Fuel tank leak from Frito-Lay panel truck - diesel fuel > 10 gallons                                                                                                                                     | 1/28/08    | Adequately regulated under DEP RTN3-27465                                                                                  |
| 7                                  | 31 Pershing Ave.     | DPW                  | Closed     | 2/12/08   | GW pump disconnected from sewer at Sewer Dept's order, led to discharge to street. DPW approved temporary discharge to CB on Vose. Connection not seen in subsequent visits. Assume handling on property | 2/20/09    | Needs to request permanent attachment to Town system.                                                                      |
| 8                                  | 30 Vose              | DPW                  | Closed     | 2/21/08   | GW pumping dumping into street                                                                                                                                                                           | 4/15/08    | Stopped after DPW went out to investigate (source still unknown)                                                           |
| 9                                  | 15 Flanagan Rd       | DPW                  | In Process | 2/20/08   | GW pumping dumping into CB creating sinkhole                                                                                                                                                             |            | Highway Ops investigating. Engineering to follow up following IDDE regulations implementation                              |
| <b>Permit Year 6 (2008 - 2009)</b> |                      |                      |            |           |                                                                                                                                                                                                          |            |                                                                                                                            |
| 10                                 | 329 Singletary Rd    | DPW                  | Resolved   | 3/7/08    | Addition to structure cut into hillside, creating permanent GW pumping requirement                                                                                                                       | 5/15/08    | Town approved tie-in to drainage system                                                                                    |
| 11                                 | 330 Concord St       | DPW                  | Resolved   | 4/18/08   | Illicit connection to sewer system. Sewer Dept. removed connection.                                                                                                                                      | 8/5/08     | Town approved tie-in to drainage system                                                                                    |
| 12                                 | 6 Woodward           | DPW                  | Resolved   | 4/25/08   | Drainage to Hastings from pool                                                                                                                                                                           | 7/31/08    | Highway Ops removed connection                                                                                             |
| 13                                 | 9 Aaron              | DPW                  | Closed     | 3/19/08   | Small black hose draining to street                                                                                                                                                                      | 2/15/09    | No drain line seen by Highway on subsequent investigations                                                                 |
| 14                                 | Burton Road          | DPW                  | Closed     | 6/4/08    | Small hose draining to street                                                                                                                                                                            | 2/15/09    | No drain line seen by Highway on subsequent investigations                                                                 |
| 15                                 | 263 Hollis Street    | DPW                  | Resolved   | 6/5/08    | Hose draining washing machine to CB, reported by John DeLuca                                                                                                                                             |            | Disconnected, sent to sewer                                                                                                |
| 16                                 | 12 Charles           | BoH                  | Resolved   | 6/26/08   | Illegal dumping to catch basin in yard at illegal auto body shop                                                                                                                                         | 6/28/09    | Citations from the BoH                                                                                                     |
| 17                                 | 3 Foley Dr           | DPW                  | Resolved   | 7/3/08    | Lines filled, probably roadway sediment. However, significant grass clippings and other items in catch basin at cul-de-sca                                                                               | 7/15/08    | DPW Ops cleaned out, Notice sent to residents.                                                                             |
| 18                                 | 355 Singletary Rd    | DPW                  | Resolved   | 7/30/08   | Pipe discharging to roadway                                                                                                                                                                              | 1/5/09     | Engineering sent notice to resident 1/5/09, Highway Ops will remove connection                                             |
| 19                                 | Many Bantry/Pitt Rds | DPW                  | Resolved   | 11/7/08   | CBs filled with bagged pet waste during CB cleaning                                                                                                                                                      | 11/15/08   | Engineering sent notice to residents                                                                                       |
| 20                                 | 26 Whittier          | BoH                  | Resolved   | 11/12/08  | Sanitary Sewer backing up, overflowing into Drainage system                                                                                                                                              | 11/13/08   | From BJ's. BoH had them call in cleaning and jetting company to clean drain lines. Lines cleaned before getting to street. |
| 21                                 | 7-11 Oakvale Rd      | DPW/ Con Com         | Resolved   | 11/14/08  | Dumping leaves and debris into wetland                                                                                                                                                                   | 11/16/08   | Notice sent to residents from DPW and Con Com                                                                              |
| 22                                 | 38 Fay Rd            | DPW                  | Resolved   | 12/10/08  | Sewer backup uncovered illicit connection to sewer system. Sewer Dept. removed connection.                                                                                                               | 12/12/08   | Engineering sent notice to residents, visited site, made recommendations for dry well                                      |
| 23                                 | 73 Indian Head Hgts  | DPW                  | Closed     | 1/7/09    | Pipe discharging to roadway. Although this is an ongoing problem, it is only a safety issue as the discharge is groundwater. Therefore, it is not an illicit discharge issue.                            | 2/25/12    | This is an ongoing problem, which the DPW will resolve.                                                                    |
| 24                                 | Worcester Rd         | MHD                  | Closed     | 1/21/09   | Sewer overflow                                                                                                                                                                                           | 1/25/09    | Referred to DEP and Mass Highway Dept                                                                                      |

**Town of Framingham  
Illicit Discharges or Connections**

|                                     |                            |                  |          |          |                                                                                                                                                                                                                                                                                            |          |                                                                                                                                                                                                                           |
|-------------------------------------|----------------------------|------------------|----------|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 25                                  | 69 Londonderry Rd          | DPW              | Closed   | 12/1/08  | Pipe discharging to roadway.                                                                                                                                                                                                                                                               | 2/15/09  | Homeowner told to remove pipe. No drain line seen by Highway on subsequent investigations.                                                                                                                                |
| 26                                  | 9 Aaron St                 | DPW              | Resolved | 2/15/09  | Pipe discharging to roadway. Owner warned of discharge.                                                                                                                                                                                                                                    | 2/20/09  | No further discharge observed.                                                                                                                                                                                            |
| 27                                  | 99 - Beaver Street<br>111  | DPW              | Resolved | 2/25/09  | Dumping leaves and debris into drainage swale                                                                                                                                                                                                                                              | 2/26/09  | DPW notice sent to residents                                                                                                                                                                                              |
| <b>Permit Year 7 (2009 - 2010)</b>  |                            |                  |          |          |                                                                                                                                                                                                                                                                                            |          |                                                                                                                                                                                                                           |
| 28                                  | 115 Beaver Street          | BOH & Con<br>Com | Closed   | 4/3/09   | Debris and trash near Beaver Dam Brook                                                                                                                                                                                                                                                     | 4/3/09   | Con Com Notice of Violation                                                                                                                                                                                               |
| 29                                  | Waverley St                | DPW              | Closed   | 4/16/09  | Spill of transmission fluid                                                                                                                                                                                                                                                                | 4/16/09  | Discussed with owner of service station. Preventative measures were taken, education on methods for cleanup of spills.                                                                                                    |
| 30                                  | Woodmere Rd                | DPW              | Closed   | 4/26/09  | Pet Waste in CB near intersection with Belknap Rd                                                                                                                                                                                                                                          | 5/1/09   | DPW notice sent to residents. Drain marking performed. DEP reported that the followup test results showed improvement in water quality.                                                                                   |
| 31                                  | 32 Mary Agnes              | DPW              | Resolved | 9/25/09  | Sewer service broken, dumping sewage into drain lines                                                                                                                                                                                                                                      | 9/28/09  | Sewer notified DEP of SSO, Line to be repaired by Sewer, homeowner                                                                                                                                                        |
| 32                                  | Waushakum                  | DPW              | Closed   | 2/2/10   | PVC pipe dumps onto sidewalk. The discharge is groundwater, therefore not an illicit discharge issue.                                                                                                                                                                                      |          | Intermittent water from sump pump                                                                                                                                                                                         |
| 33                                  | 485 Franklin               | DPW              | Closed   | 2/10/10  | Kathleen Daniel Nursing Home - 508-872-8801 - PVC pipe travels under dumpster and then dumps into roadway                                                                                                                                                                                  | 2/12/10  | Notice sent to property owner from DPW                                                                                                                                                                                    |
| 34                                  | 655 Belknap                | DPW              | Closed   | 2/2/10   | Discharge from sump pump directly to street                                                                                                                                                                                                                                                | 2/8/10   | Notice sent to residents from DPW                                                                                                                                                                                         |
| <b>Permit Year 8 (2010 - 2011)</b>  |                            |                  |          |          |                                                                                                                                                                                                                                                                                            |          |                                                                                                                                                                                                                           |
| 35                                  | 15 Hillside                | DPW              | Closed   | 3/3/10   | Washout from gravel driveway to street                                                                                                                                                                                                                                                     | 3/3/10   | Notice sent to residents from DPW                                                                                                                                                                                         |
| <b>Permit Year 9 (2011 - 2012)</b>  |                            |                  |          |          |                                                                                                                                                                                                                                                                                            |          |                                                                                                                                                                                                                           |
| 36                                  | 138 Leland                 | BoH              | Closed   | 3/22/11  | BoH observed floor drain that may discharge to surface. Dye test performed that confirmed discharge to ground surface outside the building.                                                                                                                                                | 3/23/11  | Owner closed drain (no longer in use).                                                                                                                                                                                    |
| 37                                  | Speen                      | DPW              | Resolved | 6/16/11  | Septage flow into Cochituate Brook (reported by Brownlea Road resident). Sewer Department removed the blockage, and flow was restored.                                                                                                                                                     | 6/17/11  | Blockage in sewer pipe created backup out of manhole.                                                                                                                                                                     |
| 38                                  | 192 Irving Street          | BoH              | Ongoing  | 5/13/11  | Citizen complaint of sheen in discharge pipe behind autobody operations. DPW investigated in May and June 2011. DPW and BoH investigated November 2011. BoH will cite owner for various deficiencies, however, no illicit discharge observed in any of the 3 visits (two during rainfall). |          | Owner advised to ensure that no oil or other discharge enter the catch basin on the property that drains to the swale behind the garage (the location observed by the complainant).                                       |
| 39                                  | 14 Louis W Farley<br>Drive | DPW              | Resolved | 12/27/11 | Discharge from sump pump directly to street. This is only a safety issue as the discharge is groundwater. Therefore, it is not an illicit discharge issue.                                                                                                                                 | 6/17/11  | The homeowner installed additional dry wells on the property to reduce flow to the street.                                                                                                                                |
| 40                                  | 749 Worcester Rd           | DPW              | Resolved | 5/1/11   | Discharge of oil or hazardous material discovered while excavating for deep sewer construction. Excavation was dewatered and soil removed per the URAM plan submitted to DEP.                                                                                                              | 12/21/11 | Adequately regulated under DEP RTN3-26467                                                                                                                                                                                 |
| 41                                  | 846 Concord St             | DPW              | Resolved | 7/13/11  | Discharge of oil or hazardous material discovered while excavating for deep sewer construction. Excavation was dewatered and soil removed per the URAM plan submitted to DEP.                                                                                                              |          | Adequately regulated under DEP RTN3-2100                                                                                                                                                                                  |
| 42                                  | 350 Irving Street          | DPW              | Resolved | 1/19/12  | Citizen complaint of "spraying some blue liquid all over the parking lot" and not containing roadway salt properly. No action taken.                                                                                                                                                       | 2/28/12  | The business owner sprays a solution of calcium chloride for dust suppression. The salt is stored in large bins with protective walls and roof over 200 feet from the brook, with two earthen berms protecting the brook. |
| <b>Permit Year 10 (2012 - 2013)</b> |                            |                  |          |          |                                                                                                                                                                                                                                                                                            |          |                                                                                                                                                                                                                           |
| 43                                  | 213 Bishop St              | DPW              | Closed   | 6/7/12   | Citizen complaint of dumping a gallon of paint down a catch basin outside the residence at 213 Bishop Street                                                                                                                                                                               | 6/12/12  | Notification sent to the neighborhood describing the incident and educating the residents regarding proper disposal.                                                                                                      |
| 44                                  | Vaillencourt Dr.           | DPW              | Closed   | 6/18/12  | Bagged pet waste at outfall near Hickey Drive                                                                                                                                                                                                                                              | 6/20/12  | Notices sent to Vaillencourt, Hickey, and Ford Lane residents                                                                                                                                                             |
| 45                                  | 18-20 Old Wood Rd          | DPW              | Closed   | 6/18/12  | Debris in channel behind houses - tree limbs                                                                                                                                                                                                                                               | 6/20/12  | Notices sent to two residences                                                                                                                                                                                            |

**Town of Framingham  
Illicit Discharges or Connections**

|                                     |                  |             |            |         |                                                                                            |          |                                                                                      |
|-------------------------------------|------------------|-------------|------------|---------|--------------------------------------------------------------------------------------------|----------|--------------------------------------------------------------------------------------|
| <b>46</b>                           | 1372 Concord St  | DPW         | Closed     | 6/21/12 | BoH observed sump pump from unoccupied house that may discharge non-GW liquids to surface. | 6/26/12  | Observed flow - appears clear, only operates in rain.                                |
| <b>47</b>                           | 494 Franklin St  | Con Com     | Ongoing    | 6/28/12 | Multiple discharges directly to the Sudbury River                                          | 11/14/12 | NOI reviewed by Conservation Commission, addressing runoff from two major locations. |
| <b>48</b>                           | 22 Hollis Street | BoH         | Closed     | 7/3/12  | Discharge from washing machine to floor drain to sump to SW drain                          | 7/7/12   | BoH cited property owner.                                                            |
| <b>49</b>                           | East / South Sts | DPW         | Closed     | 9/10/12 | Dumping of waste into area surrounding open channel                                        | 10/18/12 | Notices sent to surrounding residences                                               |
| <b>50</b>                           | Cherry Street    | DPW         | Closed     | 10/9/12 | Dumping of waste into area surrounding open channel                                        | 11/8/12  | Notices sent to surrounding residences                                               |
| <b>Permit Year 11 (2013 - 2014)</b> |                  |             |            |         |                                                                                            |          |                                                                                      |
| <b>51</b>                           | 52 Nixon Rd      | Con Com     | In process | 3/1/13  | Sediment spilling into roadway from construction                                           |          | Cease and desist order sent to Contractor, Area cleaned.                             |
| <b>52</b>                           | 69 Lowther Road  | Bldg & Wire |            | 4/16/13 | Roof drain to street                                                                       |          | Drain relocated to back of lot.                                                      |
| <b>53</b>                           | 749 Edmands Rd   | Bldg & Wire |            | 6/12/13 | Sediment spilling into roadway from construction                                           |          | Cease and desist order sent to Contractor, Area cleaned.                             |
| <b>54</b>                           | 23 Kingsbury Rd  | DPW         |            | 1/2/14  | Roof drain to street                                                                       |          | Drain relocated to back of lot.                                                      |
| <b>55</b>                           | 884 Waverly St   | DPW         |            | 1/23/14 | Roof drain to street                                                                       |          | Drain relocated to side lot.                                                         |
| <b>56</b>                           | Learned Pond     | Con Com     |            | 2/7/14  | Fertilizer runoff into pond                                                                |          | Notification sent to properties abutting the pond                                    |



Town of Framingham - DPW/Engineering 2013 NPDES Outfall Sampling Results

|      |         |                                       | Day    | Time  | Water Temp. (°F) | Dissolved Oxygen (mg/L) | Conduc- tivity (mS/cm) | pH      | Total Chlorine (ppm) | Free Chlorine (ppm) | Total Hardness (ppm) | Total Alkalinity (ppm) | Ammonia (mg/L) | Nitrate (mg/L) | Detergents (ppm) | Toal Phosphorus (mg/L) | Coliform (MPN) | E. Coli (MPN) | Notes                                                                            | Headwall Info                       |
|------|---------|---------------------------------------|--------|-------|------------------|-------------------------|------------------------|---------|----------------------|---------------------|----------------------|------------------------|----------------|----------------|------------------|------------------------|----------------|---------------|----------------------------------------------------------------------------------|-------------------------------------|
| No.  | Size    | Location- approximate                 |        |       | YSI Probe        | YSI Probe               | YSI Probe              | strips  | (ppm) strips         | (ppm) strips        | (ppm) strips         | (ppm) strips           | strips         | DR890          | Chemets          | Hach DR890             | Colilert       | Colilert      |                                                                                  |                                     |
|      |         | EPA/Mass. Standard (warm water)       |        |       | >83°F            | <5.0 mg/L               | >2.0                   | 6.0-8.3 | 0.0                  | 0.0                 | >2,000               |                        |                |                | >2.5             | >0.4                   |                | see Note 8    |                                                                                  |                                     |
| 1    | 24      | Shawmut @ Learned Pond                | 6-Jun  | 11:30 | 70               | NA                      | NA                     | 7       | 0                    | 0                   | 25                   | 40                     | NA             | NA             | 0.1              | NA                     | NA             | NA            | See further sampling Sept. 4 2013                                                |                                     |
| 1    | 24      | Shawmut @ Learned Pond                | 4-Sep  | 8:50  | 73.5             | 7.8                     | 0.42                   | 7.2     | 0                    | 0                   | 25                   | 40                     | 0              | 0.3            | 0.1              | <0.5                   | >2420          | 435.2         | No flow. Sample taken from pond 10 ft off ditch                                  |                                     |
| 1a   | 18      | 61 Lincoln St @ Learned Pond          | 6-Jun  | 11:00 | 76               | NA                      | NA                     | 6.8     | 0                    | 0                   | 25                   | 60                     | 0.1            | NA             | 0.1              | NA                     | NA             | NA            | 7' long X 2'6" tall X 1' wide                                                    |                                     |
| 1a   | 18      | 61 Lincoln St @ Learned Pond          | 4-Sep  | 9:20  | 75.6             | 7.2                     | 0.44                   | 6.8     | 0                    | 0                   | 25                   | 40                     | 0              | 0.2            | 0.25             | 0.43                   | >2420          | 62.0          | No flow. Sample taken from pond.                                                 |                                     |
| 1b   | 18      | Beech St @ Learned Pond               | 4-Sep  | 9:35  | 75.2             | 7.5                     | 0.44                   | 6.8     | 0                    | 0                   | 25                   | 40                     | 0              | 0.2            | 0.1              | 0.24                   | >2420          | 198.9         | No flow. Sample taken from pond.                                                 |                                     |
| 1c   | 18      | Thurber St @ Learned Pond             | 4-Sep  | 9:45  | 75.2             | 7.3                     | 0.44                   | NS      | NS                   | NS                  | NS                   | NS                     | NS             | NS             | NS               | NS                     | NS             | NS            | Dry outfall, no flow in 10 ft ditch to pond. Temp/DO/Cond taken in pond          |                                     |
| 2    | 15      | Brewster @ Farm Pond                  | 24-Sep | 11:00 | NS               | NS                      | NS                     | NS      | NS                   | NS                  | NS                   | NS                     | NS             | NS             | NS               | NS                     | NS             | NS            | Could not find - 1330 ft N of AST cage                                           |                                     |
| 3    | 36      | Henry St @ Farm Pond                  | 4-Sep  | 10:40 | 72.1             | 7.0                     | 0.97                   | 7.2     | 0                    | 0                   | 120                  | 80                     | 0              | 0.1            | 0.1              | 0.39                   | >2420          | 113.0         | No flow. Sample taken from pond.                                                 | Loc: South of 2nd yellow switch     |
| 4    | 24      | Pearl/Proctor St @ Farm Pond          | 4-Sep  | 10:30 | NS               | NS                      | NS                     | NS      | NS                   | NS                  | NS                   | NS                     | NS             | NS             | NS               | NS                     | NS             | NS            | Dry outfall, no flow                                                             |                                     |
| 5    | 30      | Park St @ Farm Pond                   | 24-Sep | 11:15 | 62.1             | 3.7                     | 0.32                   | 6.7     | 0                    | 0                   | 180                  | 100                    | 0.1            | 0.7            | <0.1             | 0.7                    | >2420          | 435.2         | Water clear, stagnant, no odor. Sample from trench                               | Headwall & trench in fair condition |
| 6    | 30      | Dudley @ Farm Pond (opp. Park Rd)     | 12-Sep | 9:50  | 65.5             | 5.2                     | 0.82                   | 7.0     | 0                    | 0                   | 200                  | 80                     | 0              | 0.1            | 0.25             | 0.52                   | >2420          | 166.4         | Low flow, sample taken instream below outfall                                    | Headwall in good condition          |
| 7    | 18      | Fountain/Dudley @ Farm Pond           | 12-Sep | 10:20 | NS               | NS                      | NS                     | NS      | NS                   | NS                  | NS                   | NS                     | NS             | NS             | NS               | NS                     | NS             | NS            | Dry outfall, no flow in 200-ft dtich to pond.                                    | Headwall in fair condition          |
| 8    | 18      | 78 Bethany @ Waushakum                | 12-Sep | 10:45 | NS               | NS                      | NS                     | NS      | NS                   | NS                  | NS                   | NS                     | NS             | NS             | NS               | NS                     | NS             | NS            | Dry outfall, no flow in 60-ft dtich to pond.                                     | Headwall in fair condition          |
| 9    | 12      | Wood @ Waushakum                      | 5-Sep  | 10:45 | NS               | NS                      | NS                     | NS      | NS                   | NS                  | NS                   | NS                     | NS             | NS             | NS               | NS                     | NS             | NS            | Could not access (need key)                                                      |                                     |
| 10   | 15      | Lake Ave @ Waushakum                  | 5-Sep  | 10:50 | 75.0             | 7.5                     | 0.40                   | 6.8     | 0                    | 0                   | 120                  | 40                     | 0              | 0.2            | 0.1              | 0.20                   | 816.4          | 7.5           | No flow. Sample taken from end of dock (pond)                                    |                                     |
| 11   | 12      | 463 Hollis @ Waushakum                | 5-Sep  | 11:08 | 72.2             | 5.2                     | 0.39                   | 6.8     | 0                    | 0                   | 120                  | 40                     | 0              | 0.2            | 0.1              | 0.25                   | >2420          | 579.4         | No flow from outfall. Sample taken from pond                                     |                                     |
| 11a  | Channel | Outlet of Waushakum Pond              | 5-Sep  | 11:27 | 74.0             | 7.4                     | 0.40                   | 7.2     | 0                    | 0                   | 200                  | 60                     | 0              | 0.3            | 0.1              | 0.33                   | >2420          | 12.2          | Sample taken at entrance to outlet                                               |                                     |
| 12   | 54      | Tripp @ BDB ( Beaver Dam Brook)       | 12-Sep | 11:50 | NS               | NS                      | NS                     | NS      | NS                   | NS                  | NS                   | NS                     | NS             | NS             | NS               | NS                     | NS             | NS            | Dry outfall, no flow in 20-ft dtich to brook.                                    | Headwall in poor condition          |
| 12a  | Channel | Beaver Dam Brook @Herbert St bridge   | 12-Sep | 11:55 | 69.5             | 4.7                     | 0.54                   | 7.2     | 0                    | 0                   | 120                  | 80                     | 0              | 0.4            | <0.1             | 0.84                   | >2420          | 165.8         | Instream sample upstream of bridge, low flow.                                    |                                     |
| 13   | 24      | Herbert St @ BDB & Sud. Aqueduct      | 12-Sep | 11:25 | 69.9             | 5.4                     | 0.70                   | 7.2     | 0                    | 0                   | 200                  | 80                     | 0              | 0.2            | <0.1             | 0.41                   | >2420          | 164.4         | Low flow, sample taken instream below outfall                                    | Headwall in good condition          |
| 13a  | Channel | Herbert St @BDB & Sud. Aqueduct       | 12-Sep | 11:15 | 69.8             | 5.3                     | 0.55                   | NS      | NS                   | NS                  | NS                   | NS                     | NS             | NS             | NS               | NS                     | NS             | NS            | Instream measurements, no sample taken                                           |                                     |
| 14   | 24      | Irving/Loring @ BDB                   | 21-Aug | 9:40  | 66.1             | 5.7                     | NS*                    | NS      | NS                   | NS                  | NS                   | NS                     | NS             | NS             | NS               | NS                     | NS             | NS            | Could not reach Flow seen. Downstream measurements taken. Water cloudy           | In abutment. In good shape          |
| 15   | 24      | Roxanna @ BDB                         | 21-Aug | 9:50  | 67               | 5.1                     | NS*                    | 7.6     | 0                    | 0                   | 150                  | 80                     | 0              | 0.6            | 0.1              | 5.5                    | >2420          | 524.7         | Water Cloudy. Low flow                                                           | In good shape                       |
| 16 A | 12      | Beaver St @ BDB                       | 21-Aug | 10:00 | NS               | NS                      | NS                     | NS      | NS                   | NS                  | NS                   | NS                     | NS             | NS             | NS               | NS                     | NS             | NS            | Could access - in bridge abutments.                                              | Unknown                             |
| 16 B | 12      | Beaver St @ BDB                       | 21-Aug | 10:00 | NS               | NS                      | NS                     | NS      | NS                   | NS                  | NS                   | NS                     | NS             | NS             | NS               | NS                     | NS             | NS            | Could access - in bridge abutments.                                              | Unknown                             |
| 17   | 36      | Coolidge/ Morton @ BDB (Park)         | 21-Aug | 10:10 | 67               | 5.9                     | NS*                    | NS      | NS                   | NS                  | NS                   | NS                     | NS             | NS             | NS               | NS                     | NS             | NS            | No flow                                                                          | In good shape                       |
| 18   | 48      | Coolidge/ Morton @ BDB (Park)         | 21-Aug | 10:30 | 68               | 7.8                     | NS*                    | 7.6     | 0                    | 0                   | 200                  | 80                     | 0.1            | 0.8            | 0.15             | 0.25                   | >2420          | 69.1          | Water Cloudy. Low flow                                                           | In good shape                       |
| 19   | 24      | Taralli Terrace @ BDB                 | 21-Aug | 10:50 | 67               | 5.9                     | NS*                    | 7.6     | 0                    | 0                   | 200                  | 60                     | 0.1            | 0.3            | 0.15             | 0.41                   | >2420          | 248.1         | Could access - in bridge abutments.                                              | Unknown                             |
| 19A  | 12      | Willis @BDB                           | 21-Aug | 11:10 | NS               | NS                      | NS                     | NS      | NS                   | NS                  | NS                   | NS                     | NS             | NS             | NS               | NS                     | NS             | NS            | No flow from pipe.                                                               | None. CMP pipe outfall only.        |
| 20 A | 48      | Interfaith Terrace @ BDB              | 21-Aug | 11:30 | NS               | NS                      | NS                     | NS      | NS                   | NS                  | NS                   | NS                     | NS             | NS             | NS               | NS                     | NS             | NS            | Could not access due to closed gates                                             |                                     |
| 20 B | 48      | Interfaith Terrace @ BDB              | 21-Aug | 11:30 | NS               | NS                      | NS                     | NS      | NS                   | NS                  | NS                   | NS                     | NS             | NS             | NS               | NS                     | NS             | NS            | Could not access due to closed gates                                             |                                     |
| 22   | 20      | Mellen Street and Cypress Street      | 24-Sep | 10:45 | 58.1             | 6.3                     | 58.1                   | 6.8     | 0                    | 0                   | 250                  | 60                     | 0.1            | 1.7            | 0.1              | 1.7                    | 1119.9         | 8.5           | Low flow, sample outfall. Water clear no odor                                    | Outfall ~100 ft from end of drvwy   |
| 23   | 12      | End of Guild Rd                       | 24-Sep | 10:10 | 52.9             | 5.9                     | 0.4                    | 6.7     | 0                    | 0                   | 120                  | 40                     | 0              | 0.1            | 0.1              | 0.37                   | >2420          | 118.7         | Outfall dry, sample taken from instream (Beaver Dam Brook). Water clear no odor. |                                     |
| 24   | Channel | Near Mt. Wayte Ave & Dudley Rd        | 6-Jun  | 12:00 | NA               | NA                      | NA                     | 7       | 0                    | 0                   | 120                  | 100                    | 0.25           | NA             | 0.1              | NA                     | NA             | NA            | Instream sample from bridge. Couln't take temp.                                  |                                     |
| 25   | 12      | Edgell at Cemetery Brook (201 Edgell) | 5-Sep  | 8:50  | 62.6             | 7.2                     | 1.46                   | 7.2     | 0                    | 0                   | 250                  | 80                     | 0              | 0.7            | 0.15             | 0.53                   | >2420          | 435.2         | Could not reach outfall. Sample from stream                                      | Outfall inside culvert approx. 10ft |
| 26   | 12      | 14-16 Arnold Rd                       | 5-Sep  | 10:05 | NS               | NS                      | NS                     | NS      | NS                   | NS                  | NS                   | NS                     | NS             | NS             | NS               | NS                     | NS             | NS            | Outfall dry.                                                                     |                                     |
| 27   | 60      | Grove St at Turnpike (larger? x2)     | 5-Sep  | 10:20 | NS               | NS                      | NS                     | NS      | NS                   | NS                  | NS                   | NS                     | NS             | NS             | NS               | NS                     | NS             | NS            | Outfall dry. No access through fence                                             |                                     |
| 28   | Channel | East of 33 Parmenter Dr.              | 12-Sep | 9:30  | NS               | NS                      | NS                     | NS      | NS                   | NS                  | NS                   | NS                     | NS             | NS             | NS               | NS                     | NS             | NS            | Outfall dry.                                                                     |                                     |

- Notes
- 1 All samples are dry weather samples. Samples taken instream are for informational purposes only and do no reflect condition of water in the outfall itself.
- 2 Values highlighted and underlined in maroon do not meet the IDDE or water quality standard (above or below as appropriate to the test).
- 3 From 314 CMR 4.06: All Waters in Framingham are Class B & warm water fisheries except Reservoir #3 (Foss) = Class A
- 4 \*Conductivity probe not calibrated until 8/23/2013
- 5 Standards for temperature, dissolved oxygen, and pH are found in 314 CMR 4.00 "Massachusetts Surface Water Quality Standards".
- 6 From Table 45 in EPA's IDDE manual (October 2004):
- |                        |            |                                                      |                      |
|------------------------|------------|------------------------------------------------------|----------------------|
| Ammonia Benchmark      | >50 mg/L   | Ammonia Instream potential problem level (Table 51): | 0.3 mg/L             |
| Conductivity Benchmark | >2.0 mS/cm | Hardness Benchmark                                   | >2,000 mg/L as CaCO3 |
- 7 From Table 48 in EPA's IDDE manual for detergents: Indicator of sanitary or wash water: > 0.25 ppm
- 8 From Table 50 in EPA's IDDE Manual: E.Coli typical standards:
- |                                             |               |                                              |               |
|---------------------------------------------|---------------|----------------------------------------------|---------------|
| Designated beach areas                      | 235 MPN/100mL | Lightly used full body contact rec area      | 406 MPN/100mL |
| Moderately used full body contact rec. area | 298 MPN/100mL | Infrequently used full body contact rec area | 576 MPN/100mL |
- Standards from MassDEP standards - not from 310 CMR 4.00: Single sample limit 235 colonies/100 ml (freshwater only); geometric mean 126 colonies/100 ml (freshwater only)
- 9 From Table 51 in EPA's IDDE Manual: In-stream nutrient potential problem levels: Total Phosphorus 0.4 mg/L
- 10 NA = Not analyzed: Prior to 8/21/2013, samples not analyzed for DO, Conductivity, Nitrate, Total Phosphorus, or bacteria, due to lack of analytical equipment
- 11 NS = Not sampled