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10/30/08

## NPDES Phase II Small MS4 General Permit: Annual Report

Municipality: Fall River Sewer Commission, 1 Govt. Ctr., Fall River, MA, 02722

EPA NPDES Permit #: MA0100382

MA DEP Transmittal #: W-040761

Annual Report #: No. 5

Reporting Period: April '07 – March '08

### Part I. General Information

Contact Person: Charles Boulay

Title: IPP Coordinator

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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: Charles Boulay

Title: IPP Coordinator

Date: 5/31/08

**Part III. Summary of Minimum Control Measures**

**STORMWATER REPORT 2008**  
**Year 4 Best Management Practices (5/31/08)**

| <b>BMP #</b>     | <b>BMP Description</b>                                                                    | <b>Measurable Goal(s)/Schedule</b>                                                         | <b>Progress on Goal(s) Year 5</b>                                                                                               |             |
|------------------|-------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|-------------|
| <b><u>1.</u></b> | <b>Public Education and Outreach</b>                                                      |                                                                                            |                                                                                                                                 |             |
| <b>1-1</b>       | SW article/brochure made available to public and mailed.                                  | Develop article/brochure in yr 2; make available @ Library/City Hall & mail yrs 3-5.       | Brochure selected & made available @ Library/City Hall, mailed with taxes.                                                      | Com<br>with |
| <b>1-2</b>       | Update City website to include information on SW management.                              | City website updated to include SW management issues in years 1-5.                         | Website updated.                                                                                                                | Com         |
| <b>1-3</b>       | Continue to sponsor annual Coastal Cleanup.                                               | Hold City sponsored Cleanup Days annually in yrs 1-5.                                      | Multiple City & private sponsored Cleanup Days held in April, May, and June.                                                    | Com<br>Cle  |
| <b>1-4</b>       | Presentation on SW management issues to be given to schools or organizations in the City. | Presentation to be given to at least one group or school annually in yrs 2-5.              | We could not find documentation of any presentations given this year on SW & CSO's so we will try to give at least 2 next year. | Com<br>and  |
| <b>1-5</b>       | Educate dog owners about picking up dog waste.                                            | Pet waste fact sheets developed in yr 2 and distributed with dog registrations in yrs 3-5. | Fact sheet developed and distributed.                                                                                           | Com<br>dog  |
| <b>1-6</b>       | Install & maintain signs for pet waste cleanup and SW management at parks and schools.    | Install signs at parks and schools in yr 2, and inspect/maintain signs in yrs 3-5.         | Signs installed/maintained at 31 playgrounds, parks, schools, & cemeteries.                                                     | Ins         |
|                  |                                                                                           |                                                                                            |                                                                                                                                 |             |

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| 1-7              | Staff a table w/ SW info at annual Earth Day event.                             | Collect materials in yr 1; staff table and distribute at Earth Day event yr 2-5; brochures distributed.                                                         | No Earth Day held this year.                                                                                          | Continue to staff table if event is held.                                                                                                      |
| <b><u>2.</u></b> | <b>Public Participation and Involvement</b>                                     |                                                                                                                                                                 |                                                                                                                       |                                                                                                                                                |
| 2-1              | Comply with state public notification guidelines (MGL Ch 39 Sect. 23B).         | Post notices of upcoming meetings as required by state law yr 1-5.                                                                                              | Notices posted in designated locations: City Clerks Bulletin Board & Public Works Dept.                               | Continue posting notices for all public meetings per MGL.                                                                                      |
| 2-2              | Stencil catch basins with don't dump message.                                   | Stencil a minimum of 25 CB's per year in yr 2-5 with a priority given to those discharging to sensitive areas (wetlands, ponds, rivers).                        | <u>115 CB's</u> stenciled.                                                                                            | Continue stenciling annually.                                                                                                                  |
| <b><u>3.</u></b> | <b>Illicit Discharge Detection and Elimination</b>                              |                                                                                                                                                                 |                                                                                                                       |                                                                                                                                                |
| 3-1              | Conduct dry weather outfall screening.                                          | The 1 <sup>st</sup> round of screening was already done and will be redone in yr 5. Number of outfalls screened.                                                | 2 <sup>nd</sup> round of dry weather screening was conducted, no illicit discharges detected.                         | Conduct 3rd round of dry weather outfall screening in year 10 or sooner if required.                                                           |
| 3-2              | Continue to update the GIS map of the SW collection system (CS).                | Annual update of GIS SW CS mapping w/ new or revised information.                                                                                               | GIS mapping is continuously updated as information is received.                                                       | Continue to update SW mapping as data is received. City is considering hiring a person to be dedicated to SW issues and Sewer & Drain Mapping. |
| 3-3              | Develop & implement a plan to identify & remove non-SW discharges from the MS4. | Number of illicit connections investigated, found, & removed. Prioritize outfalls for investigation. Locate and remove illicit conn. within 2 yrs of screening. | No contamination was detected at secondary screening. Investigations continue at all CCTV inspections and complaints. | Continue investigations and complaint follow-ups.                                                                                              |
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| 3-4       | Investigate if any twin invert (TI) manholes are in the separate SW system.                                                            | Review all SW plans for TI's in yr 2. Evaluate TI's in yr 3. Corrective plan in yr 4. Implement in yr 5.               | Plans reviewed. 2 TI's found (Lowell St.; Quequechan St.). They're near CSO diversion structures and are being connected to the CSO tunnel ( <b>Project = \$185 million</b> ) under contracts started in year 5. | This phase of CSO project is on going and will be completed in yr 6. |
| 3-5       | Develop bylaw prohibiting non-SW conns. to the MS4, allows access to search for illicit conns., and requires removal of illicit conns. | Draft bylaw in yr 2; submit to City Council in yr 3 and thereafter until passed.                                       | Draft of totally revised SUO completed and approved by EPA. Not submitted yet.                                                                                                                                   | Submitting to City Council mid '08.                                  |
| 3-6       | Develop bylaw to require inspection of new construction for proper conn. to SS.                                                        | Draft bylaw in yr 2; submit to City Council in yr 3 and thereafter until passed.                                       | Existing bylaw covers inspections, but totally updated/revised SUO completed and approved by EPA. Not submitted yet.                                                                                             | Submitting to City Council mid '08.                                  |
| <b>4.</b> | <b>Construction Site Runoff Control</b>                                                                                                |                                                                                                                        |                                                                                                                                                                                                                  |                                                                      |
| 4-1       | Develop Construction Site Erosion & Sediment Control bylaw for sites > 1 acre.                                                         | Draft bylaw in yr 2; submit to City Council in yr 3 and thereafter until passed.                                       | Modifying similar bylaws from other jurisdictions for draft. Not submitted yet.                                                                                                                                  | Submit to City Council asap.                                         |
| 4-2       | Require developers/contractors to submit monthly erosion & sediment control inspection reports to City for sites > 1 acre.             | Develop procedure for receiving & reviewing monthly reports in yr 3; require report submittals in yr 4 and thereafter. | Not completed yet.                                                                                                                                                                                               | Finish developing procedures and require submittals.                 |
| 4-3       | Review site plans (> 1 AC) for SW impacts, including adequate erosion/sediment controls.                                               | Develop protocol for reviewing plans (including training) in yr 2; begin reviews in yr 3.                              | Plans being reviewed but formal protocol still being developed.                                                                                                                                                  | Continue reviewing plans.                                            |
| 4-4       | Consideration of public input for sites disturbing > 1 AC.                                                                             | Allow public review & comment period and have signs w/ phone # posted at construction sites in yr 3 and thereafter.    | Public comment period not set up yet.                                                                                                                                                                            | Post phone # at each construction site for comments or complaints.   |

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| <b><u>5.</u></b> | <b>Post-construction SW Management in New Development and Redevelopment</b>                       |                                                                                                                                                                                         |                                                                                    |                                                                                                                  |
| <b>5-1</b>       | Develop a bylaw to apply Performance Standards 2, 3, 4, 7, & 9/3 of MSP to sites disturbing >1AC. | Develop bylaw in yr 2, present to City Council in yr 3 and thereafter.                                                                                                                  | Bylaw in development.                                                              | Finish bylaw and present to Council.                                                                             |
| <b>5-2</b>       | Specify a SW BMP manual in the bylaw to be used for consistent design & performance standards.    | Specify a SW BMP manual to be included in the bylaw. MA DEP/CZM "Stormwater Management Volume 2: Stormwater Technical Handbook, March '97" was selected in yr 1.                        | NA                                                                                 | NA                                                                                                               |
| <b>5-3</b>       | Ensure long-term maintenance of structural BMPs.                                                  | Include provisions in the bylaw requiring developers to submit thorough specs for BMPs & provide maintenance funding in yr 2; present to City Council in yr 3 and implement w/approval. | These provisions are in development.                                               | Finish provisions. We may have to eliminate the provision for developer funding due to political considerations. |
| <b><u>6.</u></b> | <b>Pollution Prevention/Good Housekeeping For Municipal Operations</b>                            |                                                                                                                                                                                         |                                                                                    |                                                                                                                  |
| <b>6-1</b>       | Employee training program.                                                                        | Sewer, Water, DPW, & Parks field & maintenance staff shall receive at minimum one SW related training course per 5 yr permit term (# or % trained /yr).                                 | Parks & DPW received training. 1 <sup>st</sup> 5 year training cycle is completed. | Start 2nd 5 Year training cycle.                                                                                 |
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| 6-2 | Continue street & parking lot sweeping.                                | All municipal parking lots & streets swept in spring, daily sweeping of commercial areas thru out year (tons removed).                                                                                                                                             | Required cleanings are ongoing with sweepings weighed at the landfill. A new Tymco Regenerative Air Sweeper (CWA compliant, \$183K) and addition of a 2 <sup>nd</sup> shift of sweeping increased annual sweepings to <u>≈ 5,300 Tons</u> (4X year 4). | Continue required sweeping and have DPW compile tonnage.                              |
| 6-3 | Storm drain maintenance.                                               | Goal to clean all basins (≈5,000) at least once every 3-4 years (# cleaned).                                                                                                                                                                                       | ≈ <u>1,500 CB's</u> cleaned, and over <u>1090 Tons</u> of grit removed from CB's & drain/sewer lines.                                                                                                                                                  | > 1,600 CBs cleaned.                                                                  |
| 6-4 | Evaluate street sweeping & catch basin cleaning equipment.             | Ongoing evaluation of street sweeping and collection system cleaning equipment for improvement or replacement.                                                                                                                                                     | Collection system equipment is in good shape having been replaced and added to over the past 5 or 6 yrs. Replaced the oldest of the 3 street sweepers this year, see 6-2.                                                                              | Continue ongoing equipment evaluations. Seek funding to replace the 2 older sweepers. |
| 6-5 | Continue roadway-deicing procedures.                                   | Calibrate equipment as needed, but at least once per yr. Keep salt in a covered facility. Maintain records of amount & type of deicers used annually.                                                                                                              | Equipment calibrated annually. Salt stored in dome/shed. <u>8,400 Tons of salt</u> and <u>500 Cubic Yards of sand</u> were used in yr 5.                                                                                                               | Continue practices and procedures as outlined herein.                                 |
| 6-6 | Continue spill prevention & response measures at municipal facilities. | Continue training Sewer, Water, DPW, & Parks workers on spill prevention & response annually. Update Spill prevention & response plan annually.                                                                                                                    | Training continued but plan not officially updated.                                                                                                                                                                                                    | Continue training and update spill prevention & response plan.                        |
| 6-7 | Maintain hazardous materials inventory.                                | Continue to maintain an inventory of hazardous waste & materials that could contaminate SW to aid in the management of their use (Sewer, Water, DPW, Parks).                                                                                                       | Inventories maintained.                                                                                                                                                                                                                                | Continue to maintain inventories.                                                     |
| 6-8 | Minimize impacts from vehicle maintenance.                             | Continue minimizing impacts from vehicle maintenance thru training and proper hazardous materials management & use reduction. Continue to limit maintenance of vehicles to the inside of the respective maintenance facilities or other similarly contained areas. | Training ongoing, hazardous materials tracked, & regular maintenance restricted to inside of facilities.                                                                                                                                               | Continue practices and procedures as outlined herein.                                 |

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| 6-9  | Minimize impacts from vehicle washing.                                                                             | Continue to minimize impacts from vehicle washing by washing inside maint. facilities or where water drains to sanitary/combined sewer systems. Use biodegradable phosphate-free soap by end of yr 2. | Switch to phosphate-free biodegradable soap will occur after inventories are depleted. <b>All maintenance facilities are located on combined sewer systems.</b>                                                                                                         | Continue practices and procedures as outlined herein.                                       |
| 6-10 | Park & landscape maintenance.                                                                                      | Train staff to minimize application of herbicides, pesticides, & fertilizers by end of yr 2. Keep records of amounts used thereafter.                                                                 | Training conducted and will be ongoing. Records of use kept.                                                                                                                                                                                                            | Maintain records of herbicide/pesticide/fertilizer use.                                     |
| 6-11 | Continue tree planting & maintenance program.                                                                      | Continue practice of planting about <b>100 trees per yr.</b> and replacing trees that have been cut down. Keep records of # of trees planted.                                                         | Approximately <b>125 trees planted</b> by City and affiliated groups.                                                                                                                                                                                                   | Continue City and affiliated groups tree planting programs.                                 |
| 6-12 | Hold an annual Household Hazardous Waste Collection Day.                                                           | Hold an annual Household Hazardous Waste Collection Day once per yr.                                                                                                                                  | BFI had stopped sponsoring the event, so it was not held this year. <b>Allied Waste</b> bought BFI and <b>held HHWCD May 10, 2008.</b>                                                                                                                                  | Have <b>Allied Waste</b> or another funding source sponsor HHWCD in upcoming years.         |
| 6-13 | Continue to accept waste motor oil, batteries, & other items through regular drop off hours at the DPW garage.     | Maintain regular drop off hours for waste motor oil, batteries, and other items at the DPW garage throughout the permit term for Fall River residents.                                                | Fall River & Somerset residents may drop off waste oil <b>Fridays from 8AM to 2PM and the 1<sup>st</sup> Saturday of each month from 8AM to 12PM.</b> Other waste items may be dropped off from 8-2, Monday to Friday.                                                  | Continue program as delineated herein.                                                      |
| 6-14 | Continue enforcement of pet waste pick-up ordinance & frequent trash barrel emptying to encourage proper disposal. | Reduce complaints (if any) of pet waste in public areas by continuing to enforce the pet waste pick-up ordinance and empty trash barrels in public areas frequently.                                  | Enforcement & trash pickup was continued. The Animal Control Division was started up on 7/1/06 under the Police Dept. (AC was previously contracted out). It is staffed with 3 full time ACO's, open 7 days 8-4. <b>They will also enforce the pet waste ordinance.</b> | Animal Control Division to continue to enforce ordinance. Continue frequent trash pick-ups. |

## **Part II. Self-Assessment- Year 5**

Although a full time Administrator of Public Utilities/Director of Water Pollution Control came on board July 1, 2006, the FRSC central staff is still down to 3 persons from 4 **(but is up from 2)**.

This lack of manpower and time has caused the City to not meet all of its goals for year 5 of the SW Permit. The major area where we did not meet our goals was in the formulation or passage of new/updated regulations. **We have made good progress on the physical aspects of the program.**

The FRSC is considering creating a position that would be **dedicated to storm water/drainage issues** including drainage/sewer mapping in FY '09.

In addition to our regular O & M of the drainage & sewer systems in year 6, the FRSC is removing trash, debris and contaminated sediments from around **4,000 LF of drainage swales and channels to improve water quality & wildlife habitat.** Also the last 5 drop shafts/connections to the **\$185,000,000 CSO Project** will come online **greatly improving the water quality in the Quequechan and Taunton Rivers.**