



City of Fall River
Massachusetts
Department of Community Utilities
WATER • SEWER

1/26/11
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WILLIAM A. FLANAGAN
Mayor

TERRANCE SULLIVAN
Administrator

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. 6

Reporting Period: April '08 – March '09

Part I. General Information

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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: 1/18/11

Part III. Summary of Minimum Control Measures

STORMWATER REPORT 2009
 Year 6 Best Management Practices (5/1/09)

BMP #	BMP Description	Measurable Goal(s)/Schedule	Progress on Goal(s) Year 6	Planned Activities Year 7
1. Public Education and Outreach				
1-1	SW article/brochure made available to public.	Develop/select article/brochure & make available @ Library & City Hall.	Brochure selected & made available @ Library & City Hall.	Continue to make available at City Hall & Library.
1-2	Update City website to include information on SW management.	City website updated to include SW management issues.	Website updated.	Continue to update website.
1-3	Continue to sponsor annual Shoreline Cleanup.	Hold City sponsored Cleanup Days.	Multiple City & private sponsored Cleanup Days held in April, May, and June; some on rivers, some on ponds.	Continue to hold City sponsored Cleanup Day(s) annually.
1-4	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.	Presentation on SW, CSO's, and WWTF tour given to the McMahon and Wilbur Middle Schools on May 8, 2008. Public meetings held w/City Council and Sewer Commission on a Stormwater Ordinance & Fee which was passed in August 2008.	Continue to give presentations annually.
1-5	Educate dog owners about picking up dog waste.	Pet waste fact sheets developed and distributed with dog registrations.	Fact sheet developed and distributed.	Continue to distribute fact sheet with dog registrations.
1-6	Install & maintain signs for pet waste cleanup and SW management at parks and schools.	Install signs at parks and schools; inspect/maintain signs.	Signs have been installed & maintained at 31 cemeteries, parks, playgrounds, & schools by the Park Dept. Additionally all parks, playgrounds, and ball fields have multiple dog bag dispensers and signage.	Park Dept. to continue to inspect & maintain signs.

1-7	Staff a table w/ SW info at annual Earth Day event if held.	Collect materials; staff table and distribute at Earth Day event; brochures distributed.	No Earth Day held this year.	Continue to staff table if event is held.
2. Public Participation and Involvement				
2-1	Comply with state public notification guidelines (MGL Ch 39 Sect. 23B).	Post notices of upcoming meetings as required by state law.	Notices posted in designated locations: <u>City Clerks Bulletin Board & Public Works Dept.</u>	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 with priority given to those discharging to sensitive areas (wetlands, ponds, rivers).	Verolia reported 15 CB's stenciled in year 0.	Continue stenciling annually.
3. Illicit Discharge Detection and Elimination				
3-1	Conduct dry weather outfall screening.	The 2 nd round of screening was done in yr 5. Number of outfalls screened.	Whenever we are working near any outfall we screen it for any dry weather discharge. We have acquired a 2 nd CCTV unit capable of inspecting larger drains to aid in this task.	Conduct the 3 rd round of dry weather outfall screening in Year 10 or sooner.
3-2	Continue to update the GIS map of the SW Collection System (CS).	Update the GIS SW Collection System mapping at least annually.	GIS mapping is continuously updated as new or revised information is received.	Continue to update SW mapping as data is received. A major effort to locate and map all drainage infrastructure is planned as soon as we are able to hire a <u>Stormwater Coordinator.</u>
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 any illicit connections within 2 yrs of screening.	No contamination has been detected at initial or second screening. This is probably due to the fact that <u>most of the City is a combined system.</u> Investigations continue at all CCTV inspections and complaints.	Continue to look for any signs of illicit connections when doing any work in the field and follow up on any complaints.

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.	Only 2 TI MH's found. Lowell St. and Quequechan St. were <u>connected to the CSO diversion structures</u> at those locations as part of our \$185 million CSO Project in year 6.	Be on lookout for any TI's when in field or reviewing plans, schedule for corrective action if found.
3-5	Develop bylaw prohibiting non-SW conns. to the MS4, allows access to search for illicit connections and requires removal of illicit conns.	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 & approved by EPA and City Council.	Completed.
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 & approved by EPA and City Council.	Completed.
4. Construction Site Runoff Control				
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.	Submit to City Council.
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.	No manpower to review and enforce.	Finish developing procedures and require submittals when staffing becomes available.
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.	All Site Plans are being reviewed without the formal protocol.	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.	This is only done for sites that come under the jurisdiction of the conservation commission.	Post phone # at each construction site for comments or complaints.
5. Post-construction SW Management in New Development and Redevelopment				

5-1	Develop a bylaw to apply Performance Standards 2, 3, 4, 7, & 9/3 of MSP to sites disturbing >1AC.	Develop bylaw & present to City Council.	No manpower to review and enforce.	Finish bylaw and present to Council when staffing becomes available.
5-2	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.	Completed.	Completed.
5-3	Ensure long-term maintenance of structural BMPs.	Include provisions in the bylaw requiring developers to submit thorough space for BMPs <u>provide maintenance</u> funding. Present to City Council and implement when/if approved.	Provision for contractors to provide maintenance funding is not politically feasible.	We have to eliminate the provision for developer funding due to political considerations.
6. Pollution Prevention/Good Housekeeping For Municipal Operations				
6-1	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).	A <u>Stormwater training video</u> was provided for all Departments to use.	Continue 2nd 5 Year training cycle.
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).	FR DPW provides the ongoing street cleanings. They reported annual sweepings (weighed at the landfill) of approximately <u>2,600 Tons</u> for year 6.	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>Veolia</u> reported <u>1,545 CB's</u> cleaned, and over <u>1,024 Tons of grit</u> removed from CB's & drain/sewer lines in year 6.	> 1,500 CBs cleaned.

6-4	Evaluate street sweeping & catch basin cleaning equipment.	Annual evaluation of street sweeping and collection system cleaning equipment for improvement or replacement.	Preventative and scheduled maintenance has kept the Collection System equipment in pretty good shape. Much of it was replaced just before Year 1. The oldest of the DPW's 3 street sweepers was replaced in Year 5 (see 6-2).	Continue ongoing equipment evaluations. DPW is seeking funds 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>8,000 Tons of salt</u> and <u>1,200 Cubic Yards of sand</u> were used in yr 6 by the FRDPW.	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).	Each Dept. maintains their respective inventories.	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, and regular maintenance restricted to inside of facilities.	Continue practices and procedures as outlined herein.
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.	<u>All maintenance facilities are located on combined sewer systems. No wash water goes to any separate drainage system.</u>	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.	Park Dept. reports that it has discontinued the use of any and all herbicides, pesticides, and fertilizers prior to year 6.	Minimize the use of and maintain records of any herbicide, pesticide, or fertilizer if it is ever used in the future.
6-11	Continue tree planting & maintenance program.	Continue practice of planting about 100 trees per yr. and replacing trees that have been cut down. Keep records of # of trees planted.	City Departments and other affiliated groups reported approximately 94 trees planted in year 6.	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.	The annual HHWCD was held May 10, 2008. It was Sponsored by Allied Waste who recently purchased the local BFI landfill facility.	Have Allied Waste 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 on the 1 st Fridays of the month from 7AM to 3PM and the 1 st Saturday of each month from 8AM to 12PM. 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. They will also enforce the pet waste ordinance.	Animal Control Division to continue to enforce ordinance. The Park Dept. will continue frequent trash pick-ups at parks and playgrounds. The DPW will pick up other public area trash receptacles.

Part II. Self-Assessment- Year 6

In Year 6 the FRSC completed the final 5 drop-shafts & connections to the \$185,000,000 CSO Tunnel Project. Additionally, trash, debris and contaminated sediments were removed from about 4,000 LF of drainage swales and channels leading into the Quequechan River. This forgoing work (along with the regular O & M of our drainage & sewer systems) has made a great contribution to improving the water quality & wildlife habitat in the Quequechan and Taunton Rivers.

Year 6 also saw the start of construction on the Screening & Disinfection Facility at the Cove Street CSO. This is the largest of the 4 CSO's that are not feasible to connect to the CSO Tunnel. It will be completed in Year 7 and will further contribute to improved conditions in the Taunton River. Some sewer separation will be done after studying the resulting conditions with the CSO Tunnel Project in full operation.

A new Stormwater Ordinance (including a Stormwater Fee based on impervious area) was approved and adopted by the City in August 2008 over great public opposition to the fee. This provides no new revenue for Stormwater, but attempts to provide a more equitable way of funding the stormwater related budget items rather than having them 100% funded by the sewer users thru the sewer use rates. The fee is currently not enough to cover all Stormwater/CSO expenses, but it does provide some relief to the sewer users.

The FRSC planned a contract position that would be 100% dedicated to storm water/drainage issues (including stormwater mapping) but this was eliminated because of severe budget cuts imposed on all City Departments. The budget cuts have been caused by cuts in state aid and reduced local revenues, which were in turn due to the overall economic downturn/recession nationally and on the local level.

The FRSC central staff is still only 3 persons, which is not adequate for our workload, especially as more regulations and reporting requirements are added. This lack of manpower, time, and money has caused the City to not meet all of its goals for year 6 of the SW Permit. The major area where we did not meet our goals was in the formulation or passage of new/updated regulations and having the staff to monitor/enforce the said regulations. We have made good progress on all physical aspects of the program.

We project that our budgetary situation is likely to get worse rather than improve.