



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

WILLIAM A. FLANAGAN
Mayor

TERRANCE SULLIVAN
Administrator

Municipality/Organization: City of Fall River

EPA NPDES Permit Number: MA0100382

MassDEP Transmittal Number: W-040761

Annual Report Number & Reporting Period: **Year 11**
April 1, 2013 – March 31, 2014

NPDES PII Small MS4 General Permit
Annual Report
(Due: May 1, 2014)

Part I. General Information

1.

Contact Person: Valarie Francis **Title:** Stormwater Associate

Telephone #: 508-858-9808 **Email:** valarie.francis@veolia.com

Mailing Address: 1979 Bay St Fall River, MA 02724

2.

Contact Person: Terry Sullivan **Title:** Administrator of Community Utilities

Telephone #: 508-324-2320 **Email:** tsullivan@fallriverma.org

Mailing Address: 1 Govt. Ctr. Fall River, MA 02722

Certification:

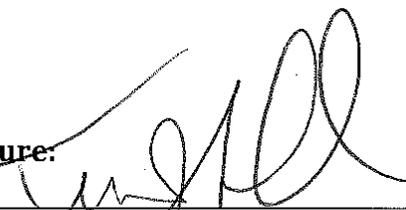
I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage 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: Valarie Francis

Printed Name: Valarie Francis

Title: Stormwater Associate

Date: 4-24-14

Signature: 

Printed Name: TERRANCE SULLIVAN

Title: ADMINISTRATOR OF COMMUNITY UTILITIES

Date: 4/24/14

Part II. Self-Assessment – Year 11

The City of Fall River has completed the required self-assessment and has determined that our municipality is in compliance with all permit conditions.

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 (Reliance on non-municipal partners indicated, if any)	Planned Activities
1-1	SW article/brochure made available to public.	Conservation Commission	Develop/select article/brochure & make available at Library & City Hall.	Stormwater brochures and bookmarks were made available at Library and City Hall. New educational water quality and stormwater handouts were also made available at City Hall.	Continue to maintain availability of an updated brochure and educational materials at the Library and City Hall.
1-2	Update City Website to include information on SW management.	Conservation Commission	City Website updated to include SW management issues	Combined Sewer Overflow Abatement Program page is available on the City Website. Includes program update Feb 13, 2012	Completed. Continue to maintain the website with current information regarding stormwater.
1-3	Continue to sponsor annual Shoreline Cleanup.	Conservation Commission	Hold City sponsored Cleanup Days.	The City held a Citywide park cleanup day on April 27, 2013. Neighborhood Associations also held 5 Cleanup Days scheduled during May and June 2013.	A Citywide park cleanup day will be scheduled for April 26, 2014. Neighborhood Associations also have 5 Cleanup Days scheduled during May and June 2014
1-4	Presentations/Meetings on SW management related issues to be given to schools or organizations in the City.	Conservation Commission/ Sewer Commission	Presentation to be given to at least one group or school annually.	Tours of the Wastewater treatment facility for Diman VTHS were held Nov 6 th and Nov 15 th 2013 and presentations about stormwater management and CSO project given. The Stormwater manager resigned Oct 2013, position vacant until Feb 2014. Stormwater Associate position filled Feb 2014. A meeting with the City's Sewer Commission and the new stormwater associate held March 2013, year 12 goals discussed.	Tours of the Wastewater treatment facility for youth from the FRHA are scheduled for July 14 and Aug 6, 2014 and presentations about stormwater management and CSO project will be given. Continue to give at least one presentation on SW management to schools and organizations annually.

1-5	Educate dog owners about picking up dog waste	Sewer Commission	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 and maintain signs for pet waste cleanup and SW management at parks and schools	Parks Dept/School Dept	Install signs at parks and schools; inspect/maintain signs.	Signs have been installed & maintained at 31 cemeteries, parks, playgrounds, & schools by the Park Department. Additionally all parks, playgrounds, and ball fields have multiple dog bag dispensers and signage. Cemeteries have no dogs allowed. A dog park opened during the summer of Year 9.	Parks Department to continue to inspect and maintain signs.
1-7	Staff a table w/SW info at annual Earth Day event, if held.	Conservation Commission/Sewer Commission	Collect materials; staff table and distribute at Earth Day event; brochures distributed.	No Earth Day event held this year.	Continue to staff table if event is held. Also update City website with stormwater information for residents during the week of Earth Day.

2. Public Involvement and Participation

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 11 (Reliance on non-municipal partners indicated, if any)	Planned Activities
2-1	Comply with state public notification guidelines (MGL Ch 39 Sect. 23B).	City Clerk	Post notices of upcoming meetings as required by state law.	Notices and agendas are 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.	Department of Public Works	Stencil a minimum of 25 CB's per year in year with priority given to those discharging to sensitive areas (wetlands, ponds, rivers.)	Veolia Water stenciled 129 catch basins in Year 11.	Continue stenciling annually.

3. Illicit Discharge Detection and Elimination

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 11 (Reliance on non-municipal partners indicated, if any)	Planned Activities
3-1	Conduct dry weather outfall screening	Sewer Commission	The 5th round of screening was done in Yr 11. Number of outfalls screened.	Whenever working near any outfall it is screened for dry weather discharge. Illicit connections removed and properly connected to sewer.	Continue to monitor and screen outfalls during dry weather.
3-2	Continue to update the GIS map of the SW Collection System (CS).	Sewer Commission/ Planning Dept.	Update the GIS SW Collection System mapping at least annually.	The stormwater collection system GIS is continuously being updated from historical record plans and field surveys.	Continue to update the Stormwater GIS map.
3-3	Develop & implement a plan to identify & remove non-SW discharges from the MS4.	Sewer Commission	Number of illicit Connections investigated, found, & removed. Prioritize outfalls for investigation. Locate and remove any illicit connections within 2 yrs of screening.	Routine system inspections for illicit connections are conducted during catch basin cleanings and GPS field surveys. Any suspect connections are investigated, and all complaints are investigated to determine cause and confirm that no illicit connection is present. CCTV inspections, dye testing and water quality testing are conducted as needed in order to identify illicit connections.	Dry weather outfall screening and sampling will be conducted to help identify any non-SW connections. Continue to look for any signs of illicit connections when doing field work and follow up on any complaints.
3-4	Investigate if any twin invert (TI) manholes are in the separate SW system.	Sewer Commission	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 connected to the CSO diversion structures at those locations as part of our \$185 million CSO Project in Year 6. No new TI MH's located as of yr 11	Field crews will continue to be on the lookout for any TI's when in the field and when reviewing plans. Corrective actions will be scheduled for any TI's that are found
3-5	Investigate if any twin invert (TI) manholes are in the separate SW system.	Law Department/ Sewer Commission	Draft bylaw in yr 2; submit to City Council in yr 3 and thereafter until passed.	New stormwater ordinance and regulations approved and adopted by City Council in December 2009	Completed.
3-6	Develop ordinance to require inspection of new construction for proper conn. to SS.	Law Department/ Sewer Commission	Draft ordinance in yr 2; submit to City council in yr 3 and thereafter until passed.	Existing ordinance requires inspection of new construction for proper connection to sanitary or combined sewer.	Completed.

4. Construction Site Stormwater Runoff Control

BMP ID #	BMP Description	Responsible Dept./ Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 11 (Reliance on non-municipal partners indicated, if any)	Planned Activities
4-1	Develop Construction Site Erosion & Sediment Control ordinance for sites > 1 acre	Law Department/ Sewer Commission/ Planning Department	Draft ordinance in yr 2; submit to City Council in yr 3 and thereafter until passed.	A comprehensive review current ordinance permit requirements was completed and a set of city ordinances with more detailed requirements was drafted and finalized.	The finalized draft of city ordinances regarding Construction Site Erosion & Sediment Control will be submitted to City Council in year 12
4-2	Require developers/contractors to submit monthly erosion & sediment control inspection reports to City for sites > 1 acre.	Building Inspector/ Planning Department	Develop procedure for receiving & reviewing monthly reports in yr 3; require report submittals in yr 4 and thereafter.	Procedures for inspection and enforcement of control measures at construction sites and procedures to ensure long term operation and maintenance of best management practices (post construction) are contained within current permit for Construction Site Stormwater Runoff Control and Post Construction Stormwater Management ordinance	Regulations included in 4-1
4-3A	Review site plans (>1 AC) for SW impacts, including adequate erosion/sediment controls.	Building Inspector/ Planning Department	Develop protocol for reviewing plans (including training) in yr 2; begin reviews in yr 3.	Procedures for site plan reviews contained within current permit for Construction Site Stormwater Runoff Control and Post Construction Stormwater Management ordinance	Completed
4-3B	Ordinances and Revisions to building permit application structure to address drainage and storm water management issues	Building Inspector/ Planning Department/ Sewer Commission	Revise Building Permit applications requiring drainage plans. Pass ordinances regarding curbs and sidewalks, and regarding structure and driveway elevation relative to roadway.	Working on Revisions to Building Permit applications to requiring drainage plans is in process, and an ordinance regarding curbs and sidewalks, and regarding structure and driveway elevation relative to roadway are also being developed.	Continue with revisions and ordinances to make changes to stormwater management issues
4-4	Consideration of public input for sites disturbing 1 > AC.	Building Inspector/ Planning Department	Allow public review & comment period and have signs w/phone # posted at construction site in yr 3 and thereafter.	This is only done for sites that come under the jurisdiction of the Conservation Commission	Post phone number at each construction site for comments or complaints.

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 (Reliance on non-municipal partners indicated, if any)	Planned Activities
5-1	Develop a bylaw to apply Performance Standards 2, 3, 4, 7, & 9/3 of MSP to sites disturbing >1AC.	Law Department/ Planning/ Building Inspector	Develop ordinance & present to City Council.	Draft ordinance has been developed and is currently under review	Ordinance to be submitted in year 12
5-2	Specify a SW BMP manual in ordinance to be used for consistent design & performance standards.	Planning/ Engineering/ Conservation Commission	Specify a SW BMP manual to be included in the ordinance. MA DEP/CZM "Stormwater Management Volume 2: Stormwater Technical Handbook," March 1997 was selected in yr 1.	Regulations included in 4-1	Regulations included in 4-1
5-3	Ensure long-term maintenance of structural BMPs.	Law Department/ Sewer Commission	Include provisions in the ordinance requiring developers to submit thorough specs for BMPs & provide maintenance funding. Present to City Council and implement when/if approved.	Completed.	Completed.
Revised		Law Department/ Planning/ Building Inspector	Provision for contractors to provide maintenance funding eliminated from bylaw due to not being politically feasible		

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 (Reliance on non-municipal partners indicated, if any)	Planned Activities
6-1	Employee Training program.	Department of Public Works/ Sewer Commission/ Parks Dept/ Water Dept	Sewer, Water, DPW, & Parks field & maintenance staff shall receive at minimum one SW related training course per 5 yr permit (# or % trained/yr).	Training with the stormwater training video continued. Water Dept, and Water treatment facility employees received training in 2011 and 2012. Wastewater collection systems are currently viewing the training video. DPW and Parks employees are next on the schedule.	Continue with second 5 year training cycle
6-2	Continue street & parking lot sweeping	Department of Public Works	All municipal parking lots & streets swept in spring, daily sweeping of commercial areas thru out year (tons removed).	The DPW conducts street sweeping. They reported annual sweepings (weighed at the landfill) of approximately 6400 tons for year 11.	Continue required street sweeping and have DPW compile tonnage.
6-3	Storm drain maintenance.	Sewer Commission	Goal to clean all basins (≈ 5,000) at least once every 3-4 years(# cleaned).	Veolia Water reported that 2043 catch basins were cleaned and over 56.1 tons of grit was removed from catch basins and drain/sewer lines. In addition 69 catch basins were repaired.	> 1,500 catch basins cleaned per yr
6-4	Evaluate street sweeping & catch basin cleaning equipment.	Department of Public Works/ Sewer Commission	Annual evaluation of street sweeping and collection system cleaning equipment for improvement or replacement.	Preventative and scheduled maintenance took place for the Collection System catch basin cleaning equipment which resulted in approximately \$43,000 in repairs/maintenance. The DPW reported a total cost for repairs and maintenance the street sweepers of \$280,000 including the purchase cost of two new street sweepers, a 2013 Tennant 636 Sidewalk Sweeper (\$94,189.00) and a 2013 Elgin Pelican (\$169,995.00)	Continue ongoing equipment evaluations

6-5	Continue roadway-deicing procedures.	Department of Public Works	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. In Year 11 approximately 7500 tons of salt and 143.22 yds of sand were used by the FRDPW.	Continue practices and procedures as outlined herein.
6-6 Revised	Continue spill prevention & response measures at municipal facilities.	Department of Public Works/ Sewer Commission/ Water Dept	Continue training Sewer, Water, DPW & Parks workers on spill prevention & response annually. Update Spill prevention & response plan annually.	Spill prevention and response training continued in Year 11. Facilities reported that plans were updated.	Continue training and update spill prevention and response plan.
6-7	Maintain hazardous materials inventory.	Department of Public Works/ Sewer Commission/ Water Dept.	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 Department maintains their respective inventories	Continue to maintain inventories.
6-8	Minimize impacts from vehicle maintenance	Department of Public Works/ Sewer Commission/ Water Dept.	Continue to minimizing impacts from vehicle maintenance through 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.	Department of Public Works/ Sewer Commission/ Water Dept	Continue to minimize impacts from vehicle washing by washing inside maintenance facilities or where water drains to sanitary or combined sewer systems	All maintenance facilities are located on combined sewer systems. No wash water goes to any separate drainage system.	Continue practices and procedures as outlined herein
6-10	Park & landscape maintenance.	Parks Dept	Train staff to minimize application of herbicides, pesticides, & fertilizers by end of yr 2. Keep records of amounts used thereafter.	Park Department reports that it has discontinued 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 is ever used in the future.
6-11	Continue tree planting & maintenance program.	Parks Dept	Continue practice of planting about 100 trees per yr. and replacing trees that have been cut down. Keep records of # of trees planted.	The Fall River Street Tree Planting Program planted 146 trees during Year 11. The Trustees of Reservations planted approximately 200 Atlantic White Cedars in the Copicut Woods and has protected the new trees within the 1.5 acre area with an electrical fence to prevent deer browse. The City has developed the first of 3 planned urban tree farms. The 1 st tree farm is on Bay St and is about $\frac{3}{4}$ acre. It has planted approx. 240 trees, of 40 species, various stages of growth, with a total planned harvest of 315 trees over 3 yr cycle (approx. 100/yr) to be used around the city. A private donation of 6 acres was added to the watershed protection.	Additional Atlantic White Cedar trees will be planted as part of the cedar swamp restoration project. The Fall River Street Tree Planting Program will continue to plant trees around the city annually. The City will proceed with the urban tree farm project in Year 12, plans for a second and third site have been made.
6-12	Hold an annual Household Hazardous Waste Collection Day.	Department of Public Works	Hold an annual Household Hazardous Waste Collection Day once per yr.	The City in conjunction with Allied Waste held the annual Household Hazardous Waste Collection Day on June 8 th , 2013	The City in conjunction with Allied Waste will continue to hold the annual Household Hazardous Waste Collection Day at the landfill (date for 2014 not yet set).

6-13	Continue to accept waste motor oil, batteries, & other items through regular drop off hours at the DPW garage.	Department of Public Works	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.	City residents can drop off paint (paint, paint thinner, varnishes and stains) from May – October on the first Friday and Saturday of the month. Oil can be dropped off the first Friday and Saturday of the month free of charge year round. Other waste items may be dropped from 7-3, Monday – Friday, and from 8-12 on Sat.	Continue program as delineated herein. Yard waste is now collected weekly rather than biweekly in bins that were distributed to residents in May 2013.
6-14	Continue enforcement of pet waste pick-up ordinance & frequent trash barrel emptying to encourage proper disposal.	Health Department/ Parks Department	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 enforces the ordinance and cites for failure to remove animal waste. It is staffed with 3 full-time Animal Control Officers, open 8AM- 4PM, 7 days a week. In addition, the City opened its first dog park in summer 2011.	Animal Control Division will continue to enforce the ordinance. The Park Dept. will continue with frequent trash pick-ups at parks and playgrounds. The DPW will be responsible for picking up other public area trash receptacles.

7. BMPs for Meeting Total Maximum Daily Load (TMDL) Waste Load Allocations (WLA)

Not applicable. TMDL's have not been developed for any of the water bodies in Fall River.

Part IV. Summary of Information Collected and Analyzed

The stormwater fee is still in place at \$35 per quarter per ERU