



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

**WILLIAM A. FLANAGAN**  
*Mayor*

**TERRANCE SULLIVAN**  
Administrator

**Municipality/Organization:** City of Fall River

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**EPA NPDES Permit Number:** MA0100382

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**MassDEP Transmittal Number:** W-040761

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**Annual Report Number** Year 12  
**& Reporting Period:** April 1, 2014 – March 31, 2015

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**NPDES PII Small MS4 General Permit**  
**Annual Report**  
**(Due: May 1, 2015)**

**Part I. General Information**

**1.**

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

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

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**Mailing Address:** 1979 Bay St Fall River, MA 02724

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**2.**

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

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

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

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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: Valarie Francis

Printed Name: Valarie Francis

Title: Stormwater Associate

Date: 4-24-15

Signature: Terrance J. Sullivan

Printed Name: Terrance J. Sullivan

Title: Adm. of Community Utilities

Date: 4/27/15

## **Part II. Self-Assessment – Year 12**

The City of Fall River has completed the required self-assessment and have determined that our municipality is in compliance with all permit conditions, except for the following provisions:

Part III. BMP 6-1 The City of Fall River permit eligibility with regard to the Pollution Prevention and Good Housekeeping in Municipal Operations - Employee Training Program states that sewer, water, DPW, Parks Field and Maintenance staff shall receive at minimum one stormwater related training course per 5 year permit. The Water Department and the Water Treatment Facility staff received training in 2011 and 2012. Wastewater collection system employees were scheduled to proceed with training 2013 and 2014. The old training materials are no longer able to be used (old VHS tape not viewable and no VHS player). Acquisition of an up to date training video on DVD has been made, and training will continue. DPW and Parks are next to receive training. However, all Municipal Operations have BMPs in place (see Part III BMP 6-6, 6-7, 6-8, 6-9, 6-10) regarding spill prevention and cleanup, hazardous materials handling and inventory, minimizing impacts from vehicle maintenance, minimizing impacts from vehicle washing, and reducing fertilizer and pesticide use in parks & landscape maintenance.

Part III. BMP 6-3 The City of Fall River permit eligibility with regard to the Pollution Prevention and Good Housekeeping in Municipal Operations – Storm Drain Maintenance states a reported goal of more than 1,700 catch basins cleaned each year. Veolia Water reported that 1379 catch basins were cleaned between April 1, 2014 and March 31, 2015. Only 2 catch basins were able to be cleaned during February 2015 due to the 2 to 4 feet of snow that continually buried all drains. However, crews were busy clearing snow and ice off catch basins, but if the inside of the basins were not cleaned, they were not counted in the catch basin cleaning total. Also, Veolia's Fiscal year for recording the >1,700 catch basins cleaned total runs from July through June, and their totals for this time frame are 1081 catch basins cleaned YTD with 3 months remaining to fulfill the requirements for their 2014-2015 fiscal year.

### Part III. Summary of Minimum Control Measures

#### 1. Public Education and Outreach

<b>BMP ID #</b>	<b>BMP Description</b>	<b>Responsible Dept./Person Name</b>	<b>Measurable Goal(s)</b>	<b>Progress on Goal(s) – Permit Year 12</b> (Reliance on non-municipal partners indicated, if any)	<b>Planned Activities</b>
<b>1-1</b>	SW article/brochure made available to public.	Conservation Commission	Develop/select article/brochure & make available at Library & City Hall.	Stormwater brochures, educational water quality and stormwater handouts, and bookmarks are available at the Public Libraries and City Hall.	Continue to maintain availability of an updated brochure and educational materials at the Library and City Hall.
<b>1-2</b>	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.
<b>1-3</b>	Continue to sponsor annual Shoreline Cleanup.	Conservation Commission	Hold City sponsored Cleanup Days.  (sched april 26, 2014)	Citywide park cleanup and tree planting days were held on June 7, and October 4, 2014. Earth Day clean up and tree planting at North Park on April 19, 2014. Neighborhood Associations held 5 additional Cleanup Days during May and June 2014. Aug. 4, 2014 Fall River began the PAYT program to encourage recycling..	Maplewood park cleanup scheduled for April 18 <sup>th</sup> , 2015. A Citywide park cleanup day will be scheduled during the summer 2015. Neighborhood Associations also have several Cleanup Days scheduled during the summer 2015
<b>1-4</b>	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.	A Presentation on Stormwater management and the benefit of trees in aiding stormwater control was given to the Bioreserve youth group July 25, 2014. Several other tours of the WWT facility were held in July and August for various other youth groups and schools included an overview of stormwater issues.	Continue to give at least one presentation on SW management to schools and organizations annually.

<b>1-5</b>	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. Information regarding the need to clean up pet wastes is also included in the stormwater educational brochures.	Continue to distribute fact sheet with dog registrations.
<b>1-6</b>	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.
<b>1-7</b>	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.	There was an Earth Day clean up and tree planting held at North Park on April 19, 2014, however there were no tables or booths.	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

<b>BMP ID #</b>	<b>BMP Description</b>	<b>Responsible Dept./Person Name</b>	<b>Measurable Goal(s)</b>	<b>Progress on Goal(s) – Permit Year 12</b> (Reliance on non-municipal partners indicated, if any)	<b>Planned Activities</b>
<b>2-1</b>	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.
<b>2-2</b>	Stencil catch basins with 'don't dump' message.	Department of Public Works	Stencil a minimum of 25 CB's per year with priority given to those discharging to sensitive areas such as wetlands, ponds, and rivers. (Veolia Water CB stencil goal 50 basins/yr)	Veolia Water stenciled 55 catch basins in Year 12.	Continue stenciling annually.

### 3. Illicit Discharge Detection and Elimination

<b>BMP ID #</b>	<b>BMP Description</b>	<b>Responsible Dept./Person Name</b>	<b>Measurable Goal(s)</b>	<b>Progress on Goal(s) – Permit Year 12</b> (Reliance on non-municipal partners indicated, if any)	<b>Planned Activities</b>
<b>3-1</b>	Conduct dry weather outfall screening	Sewer Commission	The 6th round of screening was done in Yr 12. Have all outfalls screened within 5 years, about 30/yr.	Whenever working near any outfall it is screened for dry weather discharge. Illicit connections removed and properly connected to sewer. Stormwater manager conducted dry weather outfall screenings, including samples taken, pictures, and GPS locations. A total of 62 out falls screened in year 12	Continue to monitor and screen outfalls during dry weather. Re-categorize outfalls per new MS4 Permit specifications, and create new map.
<b>3-2</b>	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, new as built, and GPS field surveys. Shapefiles are exported from Infonet quarterly and placed in an online shared folder for access by multiple agencies. The city has also started ArcGIS online which will eventually have all stormwater, sewer, and water utility data.	Continue to update the Stormwater GIS map layers within Infonet and provide shapefiles for integration and use in the GIS online access. Meet all GIS mapping specifications required in new MS4 permit within 5 years.
<b>3-3</b>	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.
<b>3-4</b>	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 12	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

<b>3-5</b>	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.
<b>3-6</b>	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

<b>BMP ID #</b>	<b>BMP Description</b>	<b>Responsible Dept./ Person Name</b>	<b>Measurable Goal(s)</b>	<b>Progress on Goal(s) – Permit Year 12</b> (Reliance on non-municipal partners indicated, if any)	<b>Planned Activities</b>
<b>4-1</b>	Develop Construction Site Erosion & Sediment Control ordinance for sites > 1 acre	Law Department/ Sewer Commission/ Planning Department	A set of city ordinances with more detailed requirements was drafted and finalized yr 11, submit to City Council in yr 12 and thereafter until passed.	The finalized draft of city ordinances regarding Construction Site Erosion & Sediment Control (Site Plan Review) was submitted to City Council in year 12	Continue to submit to City Council until passed.
<b>4-2</b>	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
<b>4-3A</b>	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



<b>4-3B</b>	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
<b>4-4</b>	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

<b>BMP ID #</b>	<b>BMP Description</b>	<b>Responsible Dept./Person Name</b>	<b>Measurable Goal(s)</b>	<b>Progress on Goal(s) – Permit Year 12</b> (Reliance on non-municipal partners indicated, if any)	<b>Planned Activities</b>
<b>5-1</b>	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.	Site Plan Review Ordinance submitted to City Council in year 12	Continue to submit to City Council until passed.
<b>5-2</b>	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

<b>5-3</b>	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

<b>BMP ID #</b>	<b>BMP Description</b>	<b>Responsible Dept./Person Name</b>	<b>Measurable Goal(s)</b>	<b>Progress on Goal(s) – Permit Year 12</b> (Reliance on non-municipal partners indicated, if any)	<b>Planned Activities</b>
<b>6-1</b>	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).	Water Dept, and Water treatment facility employees received training in 2011 and 2012 with the VHS stormwater training video. Wastewater collection systems will be training as soon as new training materials are acquired. DPW and Parks employees will be next on the schedule.	Find and replace training materials and continue with second 5 year training cycle
<b>6-2</b>	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 3120 tons for year 12.	Continue required street sweeping and have DPW compile tonnage.
<b>6-3</b>	Storm drain maintenance.	Sewer Commission	Goal to clean all basins (~ 5,000) at least once every 3-4 years(# cleaned).	Veolia Water reported that 1379 catch basins were cleaned and over 5.0 tons of grit was removed from catch basins and drain/sewer lines. In addition 88 catch basins were repaired.	Goal of > 1,700 catch basins cleaned per year

<b>6-4</b>	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 \$81,500 in repairs and maintenance. The DPW reported a total cost for repairs and maintenance the street sweepers of \$1784.98	Continue ongoing equipment evaluations
<b>6-5</b>	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 12 approximately 9200 tons of salt and 210 yds of sand were used by the FRDPW.	Continue practices and procedures as outlined herein.
<b>6-6</b> 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 12. Facilities reported that plans were updated.	Continue training and update spill prevention and response plan.
<b>6-7</b>	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.

<b>6-8</b>	Minimize impacts from vehicle maintenance	Department of Public Works/ Sewer Commission/ Water Dept.	Minimizing impacts from vehicle maintenance through training and proper hazardous materials management & use reduction. Limit maintenance of vehicles to the inside of the respective maintenance facilities, or other similarly contained areas.	Training is ongoing, hazardous materials are tracked, and regular maintenance is restricted to the inside of facilities.	Continue practices and procedures as outlined herein.
<b>6-9</b>	Minimize impacts from vehicle washing.	Department of Public Works/ Sewer Commission/ Water Dept	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
<b>6-10</b>	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.

<b>6-11</b>	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.	A total of 397 trees were planted in Fall River during 2014; that included; Atlantic White Cedar trees planted as part of the cedar swamp restoration project, trees on Plymouth Ave as part of road reconstruction, trees in Maplewood and Sandy Beach neighborhoods with the Greening the Gateway Cities Tree Planting Project, trees planted by the city and FRSTPP at Maplewood Park, Additional trees planted by the FRSTPP were memorial trees, individual requests for street trees and 10 trees that came from a Mass ReLeaf Ministry grant for Brayton Ave. Robb Way in the industrial park got 27 or 30 trees planted by a private contractor.	The City will proceed with the urban tree farm project in Year 12, maintaining the Maryann Wordell Tree Farm, and continue working on plans for a second and third tree farm site. The Fall River Street Tree Planting Program will continue to plant trees around the city annually.
<b>6-12</b>	Hold an annual Household Hazardous Waste Collection Day.	Department of Public Works	Hold an annual Household Hazardous Waste Collection Day once per yr.	With the closure of the landfill and the new PAYT program the City no longer holds a free annual Household Hazardous Waste Collection Day.	Encourage more recycling for household items like computer monitors, televisions, microwaves, refrigerators, air conditioners, metal items, and tires.
<b>6-13</b>	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. Yard waste is now collected weekly in brown yard waste carts. Other yard wastes picked up per instructions and schedule posted online.	Continue program as delineated herein. Large items can be dropped off at garage, or scheduled for curbside pick-up with a paid sticker.

<b>6-14</b>	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.
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## **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