



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

JASIEL F. CORREIA II
Mayor

TERRANCE SULLIVAN
Administrator

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| Municipality/Organization: | City of Fall River |
| EPA NPDES Permit Number: | MA0100382 |
| MassDEP Transmittal Number: | W-040761 |
| Annual Report Number & Reporting Period: | Year 14 April 1, 2016 – March 31, 2017 |

NPDES PII Small MS4 General Permit
Annual Report
(Due: May 1, 2017)

Part I. General Information

1.
Contact Person: Valarie Francis Title: Stormwater Associate

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2.
Contact Person: Terry Sullivan Title: Administrator of Community Utilities

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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:

Title:

Date:

Signature:

Printed Name:

Title:

Date:

Part II. Self-Assessment – Year 14

The City of Fall River has completed the required self-assessment and has determined that the 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 14 (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, educational water quality and stormwater handouts, and bookmarks are available at the Public Libraries and City Hall. Created SW flyers for construction industry to add to building permit applications. | Continue to maintain availability of an updated brochure and educational materials at the Library and City Hall. Create flyer for Det pond owners. Use door hangers to notify residence of SW pollution found in their area. |
| 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 a link to program update Feb 13, 2012. | Completed. Continue to update and maintain the website. Add a page for separate stormwater education materials on the city website |
| 1-3 | Continue to sponsor annual Shoreline Cleanup. | Conservation Commission | Hold City sponsored Cleanup Days. | City Fall River held a clean-up of the river and the shoreline 5-7-16 to 5-13-16, 9 am - 1 pm; and a clean-up at Britland park 4-28-16. The City also works in conjunction with various community groups and organizations to aid in various other clean ups held around the city. | City will continue to sponsor shoreline, open space, and park clean up. Fall River Park Advocates and Fall River Street Tree Planting Program hold several clean up and/or tree planting days. Fall River continues the PAYT program to encourage recycling. |
| 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. | Presentations given by Terry Sullivan to Federal Delegation Staff and State Reps 3-7-2017, BCC World Water Day 3-22-2017, NEWEA 1-24-2017, EPA and CLF 6-28-2016, Industrial Park Tenants Assoc 5-26-2016, and presentations given by SW Associate at Urban Forestry workshop 3-22-17, MS4 Conference 3-30-17, and at all Friends of Quequechan meetings or events. | Continue to give at least one presentation on SW management to schools and organizations annually. |

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| 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 and 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. Need to add signs and poop bag dispensers to QRRT for Permit yr 15 |
| 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 specific Earth Day event occurred in April 2016. Other means of distributing education materials found. | Continue to staff a table or participate in any event held on or around Earth Day. SW education and participation in Clean-up of Quequechan River and QRRT scheduled for Earth Day 4-22-17. |
| 1-8 | Integrated Wastewater and Stormwater Management Plan | Sewer Commission | Stormwater Mitigation Planning | In year 13, the City conducted a study of the needs of the both Wastewater and Stormwater systems to create a comprehensive Capital Improvement Plan (CIP) to mitigate known issues & insure that existing infrastructure is maintained and upgraded. | Completed 12/31/15. Begin implementation of CIP, Include update information on progress on the City Web Site. |

2. Public Involvement and Participation

| BMP ID # | BMP Description | Responsible Dept./Person Name | Measurable Goal(s) | Progress on Goal(s) – Permit Year 14 (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, and City Website Calendar | 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 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 <u>70</u> catch basins in Year 14. | 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 14 (Reliance on non-municipal partners indicated, if any) | Planned Activities |
|-----------------|--|--------------------------------------|---|---|---|
| 3-1 | Conduct dry weather outfall screening | Sewer Commission | The 8th round of screening was done in Yr 14. All known outfalls screened and reclassified by end of year 14. | Scheduled outfall screenings for dry weather discharge/Illicit connections and sampling done. Stormwater manager screened and/ or sampled a total of 71 outfalls screened in year 14, finishing the screening and reclassing of all known outfalls. | Continue to monitor and screen outfalls during dry and wet weather. Begin all new IDDE/outfall screening, sampling procedures per new MS4 Permit specifications, and create new maps per new regulations. |
| 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, and provide sewer and stormwater shapefiles to City GIS online | Continue to update the Stormwater GIS map layers within Infonet and provide shapefiles for integration and use in the GIS online access. New information added, existing information verified and or updated. | Continue to update the GIS map of the SW Collection System (CS). Meet all GIS mapping specifications required in new MS4 permit within 5 years. |

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| 3-3 | Develop & implement a plan to identify & remove non-SW discharges from the MS4. | Sewer Commission | Number of illicit Connections found, investigated, and removed. Locate and remove any illicit connections within 2 yrs of screening. All outfalls inspected and categorized by end of year 14. | 71 outfalls inspected in year 14 during scheduled outfall screenings. Also, routine system inspections for illicit connections are conducted during catch basin cleanings and GPS field surveys. 2 problems located during outfall screening have been investigated, and are being corrected. | 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 cleaning catch basins and doing field work and follow up on any complaints. CCTV inspections, dye testing and water quality testing are conducted as needed to identify illicit connections and illegal dumping. |
| 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. | The TI MH's found at Lowell St. and Quequechan St. are connected to the CSO diversion structures at those locations. A TI is located on Tremont St and stormwater flow ds from this is permanently diverted to the CSO diversion structure at Plymouth N location and processed at the WWTP. | 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 | Develop bylaw prohibiting non-SW connections to the MS4, allows access to search for illicit connections, and requires removal of illicit connections | Law Department/ Sewer Commission | Draft bylaw in yr 2; submit to City Council in yr 3 and thereafter until passed. | 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 14 (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 | 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 passed in year 13) | completed |
| 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. | Site Plan Review ordinance covers drainage requirements for all building permits | Completed |
| 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 14 (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. | Site Plan Review Ordinance approved by City Council in year 13 | Completed |
| 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 14 (Reliance on non-municipal partners indicated, if any) | Planned Activities |
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| 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). | Stormwater training Materials provided to Parks, DPW and WWTP facility for permit year 14 (year 3 of 5-yr training cycle). 60% complete end of year 3. Continue 5-year training cycle through departments. | Provide new stormwater training CD and tests for Water treatment facility and city Sewer and Water Dept employees in permit yr 15 to continue year 4 of 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 <u>5760</u> tons for year 14, and approximately <u>1425</u> miles swept yr 14. | Continue required street sweeping and have DPW compile tonnage, and mileage. |
| 6-3 | Storm drain maintenance. | Sewer Commission | Goal to clean all basins (≈ 5,000) at least once every 3-4 years(approx. 1500/yr cleaned). | Veolia Water reported that <u>1546</u> catch basins were cleaned and over <u>482.98</u> tons of grit was removed from catch basins and drain/sewer lines. In addition, <u>69</u> catch basins were repaired. | Measurable goal of > 1,500 catch basins cleaned per year (Veolia goal >1700/yr FY July-June) |
| 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 <u>\$47,887</u> in repairs and maintenance. The DPW reported a total cost for repairs and maintenance the street sweepers of <u>\$11,622</u> | 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 14 approximately <u>6750</u> tons of salt and <u>126</u> yds of sand were used by the FRDPW. | Continue practices and procedures as outlined herein. |

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| 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 14. Facilities reported that plans were updated. Spill prevention training is also included in the stormwater education materials. | 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. | 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. Training about minimizing impacts from vehicle maintenance is also included in the stormwater education materials. | Continue practices and procedures as outlined herein. |
| 6-9 | 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. Training about minimizing impacts from vehicle washing is also included in the stormwater education materials. | Continue practices and procedures as outlined herein |

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| 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 it 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. | A total of 731 trees were planted. The state's Greening the Gateway Program planted 477, the enhancement of Fr. Travassos Park and the Quequechan Rail Trail received 212 and the Fall River Street Tree Planting Program, Inc. planted 42. | The City will continue the urban tree farm project maintaining the Maryann Wordell Tree Farm, and continue working on plans for an additional tree farm site. The Fall River Street Tree Planting Program will continue to plant trees around the city annually. |
| 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. | With the closure of the landfill and the new PAYT program the City no longer holds a free annual Household Hazardous Waste Collection Day. | Develop an alternative to the annual hazardous waste collection day. |
| 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 strains) 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. |

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| 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. |
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7. BMPs for Meeting Total Maximum Daily Load (TMDL) Waste Load Allocations (WLA) <<if applicable>>

Not applicable for year 14. 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 now in place at \$40 per quarter per ERU