

## **RIPDES Small MS4 Annual Report**

**City of Woonsocket**  
Woonsocket, Rhode Island

March 2018



**FUSS & O'NEILL**

317 Iron Horse Way  
Suite 204  
Providence, RI 02908



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### RIPDES Small MS4 Annual Report

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## RIPDES SMALL MS4 ANNUAL REPORT

### GENERAL INFORMATION PAGE

RIPDES PERMIT #RIR040 16

REPORTING PERIOD:

☒ **YEAR 14**

Jan 2017-Dec 2017

#### OPERATOR OF MS4

Name: CITY OF WOONSOCKET			
Mailing Address: 169 MAIN STREET			
City: WOONSOCKET	State: RI	Zip: 02895	Phone: (401)767-9216
Contact Person:	Title: SUPERINTENDENT – SOLID WASTE/ENGINEERING		
Mike Debrousse	Email: MDebrousse@woonsocketri.org		
Legal status (circle one):			
PRI - Private	<b>PUB - Public</b>	BPP - Public/Private	STA - State
FED – Federal			
Other (please specify):			

#### OWNER OF MS4 (if different from OPERATOR)

Name:			
Mailing Address:			
City:	State:	Zip:	Phone: ( )
Contact Person:	Title:		
	Email:		

#### CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under the 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, I certify that 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.

Print Name Lisa Baldelli-Hunt

Print Title City Mayor

Signature \_\_\_\_\_

Date \_\_\_\_\_





## MINIMUM CONTROL MEASURE #1: PUBLIC EDUCATION AND OUTREACH (Part IV.B.1 General Permit)

### SECTION I. OVERALL EVALUATION:

#### GENERAL SUMMARY, STATUS, APPROPRIATENESS AND EFFECTIVENESS OF MEASURABLE GOALS:

Include information relevant to the implementation of each measurable goal, such as activities, topics addressed, audiences and pollutants targeted. Discuss activities to be carried out during the next reporting cycle. If addressing TMDL requirements, please indicate rationale for choosing the education activity to address the pollutant of concern.

**(Note: Identify parties responsible for achieving the measurable goals and reference any reliance on another entity for achieving measurable goals. Mark with an asterisk (\*) if this person/entity is different from last year.)**

**Responsible Party Contact Name:** Mike Debrousse

**Phone:** (401)767-9216 **Email:** MDebrousse@woonsocketri.org

IV.B.1.b.1	Use the space below to provide a General Summary of activities implemented to educate your community on how to reduce stormwater pollution. For TMDL affected areas, with stormwater associated pollutants of concern, indicate rationale for choosing the education activity. List materials used for public education and topics addressed. Summarize implementation status and discuss if the activity is appropriate and effective.
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The City relies on the Storm Water Education and Outreach Program in cooperation with URI to meet this measureable goal. The City continues to implement their stormwater website (<http://www.woonsocketri.org/stormwater-management>) to educate the community on how to reduce storm water pollution. In general, the website describes the general permit requirements, provides a complaint form, and offers recommendations for low impact development. The website also links to the Blackstone River Coalition's website where there is additional educational information on stormwater quality, BMPs, and LID.

In previous years, the school department has incorporated environmental education into school curriculum. In 2013, the Woonsocket High School received \$330 from the Blackstone River Watershed Council to purchase supplies to implement the "Fish in the Classroom" project.

The Engineering Department is responsible for this measure. The City will continue to educate the community on how to reduce storm water in upcoming years as opportunities arise.

IV.B.1.b.2	Use the space below to provide a general summary of how the public education program was used to educate the community on how to become involved in the municipal or statewide stormwater program. Describe partnerships with governmental and non-governmental agencies used to involve your community.
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The City relies on the Storm Water Education and Outreach Program in cooperation with URI to meet this measureable goal. The City's website for storm water includes links to organizations that provide educational materials and public involvement opportunities. The City works with these groups to provide assistance with the events. As in past years, the City sponsored Earth Day cleanup events (described further under Minimum Control Measure #2). Also, in previous years the City developed a letter and brochure (see *Attachment 2*) to distribute to businesses which describes proper maintenance of structural BMPs. This letter and brochure is now distributed to all owners upon completion of post-construction inspections. This measure has been appropriate and effective. The City will continue to educate the community on how to become involved in the storm water program. The Engineering Department is responsible for this measure.

**PUBLIC EDUCATION AND OUTREACH cont'd**

Check all topics that were included in the Public Education and Outreach program during this reporting period. For each of the topics selected, provide the target pollutant (e.g. construction sites, total suspended solids):

Topic	Target Pollutant(s)
<input checked="" type="checkbox"/> Construction Sites	TSS
<input type="checkbox"/> Pesticide and Fertilizer Application	
<input type="checkbox"/> General Stormwater Management Information	
<input checked="" type="checkbox"/> Pet Waste Management	Pathogens
<input checked="" type="checkbox"/> Household Hazardous Waste Disposal	Household Hazardous Waste, expired prescriptions
<input checked="" type="checkbox"/> Recycling	Recyclables including e-wastes
<input type="checkbox"/> Illicit Discharge Detection and Elimination	
<input type="checkbox"/> Riparian Corridor Protection/Restoration	
<input type="checkbox"/> Infrastructure Maintenance	
<input checked="" type="checkbox"/> Trash Management	Refuse and Recycling, White goods and bulk items, leaves and yard waste
<input type="checkbox"/> Smart Growth	
<input checked="" type="checkbox"/> Vehicle Washing	Nutrients, Surfactants
<input checked="" type="checkbox"/> Storm Drain Marking	
<input type="checkbox"/> Water Conservation	
<input type="checkbox"/> Green Infrastructure/Better Site Design/LID	
<input type="checkbox"/> Wetland Protection	
<input type="checkbox"/> Other:	
<input type="checkbox"/> None	

**Specific audiences targeted during this reporting period:**

- |   |  |
|---|--|
| <input type="checkbox"/> Public Employees           | <input checked="" type="checkbox"/> Contractors    |
| <input type="checkbox"/> Residential                | <input type="checkbox"/> Developers                |
| <input type="checkbox"/> Businesses                 | <input checked="" type="checkbox"/> General Public |
| <input type="checkbox"/> Restaurants                | <input type="checkbox"/> Industries                |
| <input checked="" type="checkbox"/> Other: Students | <input type="checkbox"/> Agricultural              |

**Additional Measurable Goals and Activities**

Please list all stormwater training attended by your staff during the 2017 calendar year and list the name(s) and municipal position of all staff who attended the training.

Trainings: No stormwater training sessions were attended by City staff in 2017.



## MINIMUM CONTROL MEASURE #2: PUBLIC INVOLVEMENT/PARTICIPATION (Part IV.B.2 General Permit)

### SECTION I. OVERALL EVALUATION:

#### GENERAL SUMMARY, STATUS, APPROPRIATENESS AND EFFECTIVENESS OF MEASURABLE GOALS:

Include information relevant to the implementation of each measurable goal, such as types of activities and audiences/groups engaged. Discuss activities to be carried out during the next reporting cycle. If addressing TMDL requirements, please indicate rationale for the activities chosen to address the pollutant of concern.

**(Note: Identify parties responsible for achieving the measurable goals and reference any reliance on another entity for achieving measurable goals. Mark with an asterisk (\*) if this person/entity is different from last year.)**

**Responsible Party Contact Name:** Mike Debrousse

**Phone:** (401)767-9216 **Email:** MDebrousse@woonsocketri.org

IV.B.2.b.2.ii Use the space below to describe audiences targeted for the public involvement minimum measure, include a description of the groups engaged, and activities implemented and if a particular pollutant(s) was targeted. If addressing TMDL requirements indicate how the audience(s) and/or activity address the pollutant(s) of concern. Name of person(s) and/or parties responsible for implementation of activities identified. Assess the effectiveness of BMP and measurable goal.

The City has several groups that are active in promoting clean water, including the schools and the Blackstone River Coalition. Several Earth Day cleanup events were held in 2017 at multiple locations within the City. A City sponsored event was held on April 15, 2017 (see *Attachment 3* for Earth Day Clean-up announcement), and other organizations held several smaller events. These successful events involved the collection of trash and debris. Residents were also encouraged to pick up litter along the street they live on. The City and Waste Management of RI provided volunteers with trash bags, gloves, and trash pickers for the event.

From September 15, 2016 to September 15, 2017, as in the previous five years, the Woonsocket Stormwater Task Force made up to \$16,576 of funding available to support projects that improve the management of stormwater on private and/or public property within the City of Woonsocket and ultimately lead to improvements in the water quality of the Blackstone River (see *Attachment 4*).

Opportunities provided for public participation in implementation, development, evaluation, and improvement of the Stormwater Management Program Plan (SWMP) during this reporting period. Check all that apply:

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Cleanup Events     | <input type="checkbox"/> Storm Drain Markings            |
| <input type="checkbox"/> Comments on SWMP Received     | <input type="checkbox"/> Stakeholder Meetings            |
| <input checked="" type="checkbox"/> Community Hotlines | <input checked="" type="checkbox"/> Volunteer Monitoring |
| <input type="checkbox"/> Community Meetings            | <input checked="" type="checkbox"/> Plantings            |
| <input type="checkbox"/> Other (describe)              |  |

#### Additional Measurable Goals and Activities

The City of Woonsocket Department of Public Works is actively sponsoring a Rain Barrel Program to encourage the public (e.g., homeowners) to reuse roof runoff for gardening, lawn watering, and other similar purposes. Further information regarding this program can be found at: [http://www.woonsocketri.org/sites/woonsocketri/files/uploads/rain\\_barrel\\_flyer.pdf](http://www.woonsocketri.org/sites/woonsocketri/files/uploads/rain_barrel_flyer.pdf)



**SECTION II. Public Notice Information (Parts IV.G.2.h and IV.G.2.i)** **\*Note: attach copy of public notice**

Was the availability of this Annual Report and the Stormwater Management Program Plan (SWMPP) announced via public notice? ☒ YES ☐ NO

If YES, Date of Public Notice: March 1, 2018

How was public notified:

- ☐ List-Serve (Enter # of names in List: \_\_\_\_\_) ☒ Newspaper Advertising  
☐ TV/Radio Notices ☐ Town Hall posting  
☐ Website ☐ Other:

Enter Web Page URL: \_\_\_\_\_

Was public meeting held? ☐ YES ☒ NO

Date:

Where:

Summary of public comments received: No comments received

Planned responses or changes to the program: None as no comments were received



## MINIMUM CONTROL MEASURE #3: ILLICIT DISCHARGE DETECTION AND ELIMINATION (Part IV.B.3 General Permit)

### SECTION I. OVERALL EVALUATION:

#### GENERAL SUMMARY, STATUS, APPROPRIATENESS AND EFFECTIVENESS OF MEASURABLE GOALS

Include information relevant to the implementation of each measurable goal, such as activities implemented (when reporting tracked and eliminated illicit discharges, please explain the rationale for targeting the illicit discharge) to comply with on-going requirements, and illicit discharge public education activities, audiences and pollutants targeted. Discuss activities to be carried out during the next reporting cycle. If addressing TMDL requirements, please indicate rationale for the activities chosen to address the pollutant of concern.

**(Note: Identify parties responsible for achieving the measurable goals and reference any reliance on another entity for achieving measurable goals. Mark with an asterisk (\*) if this person/entity is different from last year.)**

**Responsible Party Contact Name:** Mike Debrousse

**Phone:** (401)767-9216 **Email:** MDebrousse@woonsocketri.org

IV.B.3.b.1:	<p>If the outfall map was not completed, use the space below to indicate reasons why, proposed schedule for completion of requirement and person(s)/ Department responsible for completion. (The Department recommends electronic submission of updated EXCEL Tables if this information has been amended.)</p> <p><b>Number of Outfalls Mapped within regulated area:</b> <u>280</u></p> <p><b>Percent Complete:</b> <u>100</u></p> <p><b>If 100% Complete, Provide Date of Completion:</b> <u>2007</u></p>
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A complete outfall map was developed during the dry-weather survey conducted in Year 3. Outfalls were GPS located for incorporation into the GIS database by Fuss & O'Neill. A GIS shapefile of outfall locations was provided in electronic format in the CD included with the Year 5 Annual Report. The required outfall Excel tables were provided on the CD accompanying the Year 6 Annual Report. No updates were made in 2017.

IV.B.3.b.2	<p>Indicate if your municipality chose to implement the tagging of outfalls activity under the IDDE minimum measure, activities and actions undertaken under the 2017 calendar year.</p> <p>Outfalls were GPS located and tagging is not necessary.</p>
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IV.B.3.b.3	<p>Use the space below to provide a summary of the implementation of recording of system additional elements (catch basins, manholes, and/or pipes). Indicate if the activity was implemented as a result of the tracing of illicit discharges, new MS4 construction projects, and inspection of catch basins required under the IDDE and Pollution Prevention and Good Housekeeping Minimum Measures, and/or as a result of TMDL related requirements and/or investigations. Assess effectiveness of the program minimizing water quality impacts.</p>
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The entire storm water system has been comprehensively mapped and been incorporated into a GIS database. This effort was completed through a contract with Fuss & O'Neill. The City continually updates the storm water grids with any changes as they are encountered. This measure has been appropriate and effective in developing the City's mapping. The Engineering Department and hired consultant are responsible for this measure. No additional elements were recorded after the comprehensive mapping.

IV.B.3.b.4	<p>Indicate if the IDDE ordinance was <u>not</u> developed, adopted, and submitted to RIDEM, explain reasons why, submit proposed schedule for completion and identify person(s) / Department and/or parties responsible for the completion of this requirement.</p> <p><b>Date of Adoption: March 21, 2005</b></p> <p>If the Ordinance was amended in 2017, please indicate why changes were necessary.</p>
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The Woonsocket City Council formally adopted an "Illicit Discharge Detection and Elimination Ordinance" (Ordinance Chapter 7192) on March 21, 2005. A signed letter from the City's Solicitor attesting to this was provided to DEM in a letter dated February 19, 2007. No amendments to the Ordinance were made in 2017.

**ILLCIT DISCHARGE DETECTION AND ELIMINATION cont'd**

IV.B.3.b.5.ii, iii, iv, & v	Use the space below to provide a summary of the implementation of procedures for receipt and consideration of complaints, tracing the source of an illicit discharge, removing the source of the illicit discharge and program evaluation and assessment as a result of removing sources of illicit discharges. Identify person(s) / Department and/or parties responsible for the implementation of this requirement.
<p>These measurable goals were completed during the SWMPP development process prior to Year 1. Details regarding this are listed in the executive summary of the SWMPP. In addition to the information in the SWMPP, a complaint form is available to the public on the City's storm water website. Complaints received by the City are directed to the Engineering Department. The City Engineer is responsible for the complaints. The procedure for removal of illicit discharges involves requiring the responsible party to cease discharging and address the situation within seven to ten days (depending on the type of discharge). If the illicit discharges are not addressed by the responsible party, the City has the authority to perform repairs and charge the responsible party for the cost and fines that they may have incurred. No complaints for illicit discharges were noted in 2017. The effectiveness of this measure is yet to be determined.</p>	
IV.B.3.b.5.vi	<p>Use the space below to provide summary of implementation of catch basin and manhole inspections for illicit connections and non-stormwater discharges. If the required measurable goal of inspecting all catch basins and manholes for this purpose was not accomplished, please indicate reasons why, the proposed schedule of completion and identify person(s) / Department and/or parties responsible for the implementation of this requirement. Evaluate effectiveness of the implementation of this requirement. The operator must keep records of all inspections and corrective actions required and completed.</p> <p><b>Number of Catch Basins and Manholes Inspected for illicit connections/IDDE:</b> ~2865 CBs exist in the City, approximately 1409 CBs were cleaned and inspected in 2017 (see map, Attachment 6)</p> <p><b>Percent Complete:</b> <u>49 %</u></p> <p><b>Date of Completion:</b> <u>December 2017</u></p>
<p>Development of the procedure for this measurable goal was completed in the SWMPP development process. Catch basins are inspected and cleaned on a yearly basis in conjunction with street sweeping. Details regarding this are included in the executive summary of the SWMPP. City structures were inspected for illicit connections in Year 4, the findings of which were subsequently provided to DEM. The City inspects and cleans catch basins (CBs) on a rotating schedule as time, personnel and equipment allow. The City The Storm Water Committee, Engineering Department, and hired consultant were responsible for procedure development. The Engineering Department and Highway Department are responsible for inspections and recordkeeping.</p>	
IV.B.3.b.5.vii	<p>If dry weather surveys including field screening for non-stormwater flows and field tests of selected parameters and bacteria were not completed, indicate reasons why, proposed schedule for the completion of this measurable goal and person(s) / Department and/or parties for the completion of this requirement. Evaluate effectiveness of the implementation of this requirement. <b>The results of the dry weather survey investigations must be submitted to RIDEM electronically, if not already submitted or if revised since 2009, in the RIDEM-provided EXCEL Tables and should include visual observations for all outfalls during both the high and low water table timeframes, as well as sample results for those outfalls with flow. The EXCEL Tables must include a report of all outfalls and indicate the presence or absence of dry weather discharges.</b></p> <p><b>Number of Outfalls Surveyed Jan-Apr:</b> <u>280</u>      <b>Number of Outfalls Surveyed Jul-Oct:</b> <u>280</u></p> <p><b>Percent Complete:</b> <u>100</u> %</p> <p><b>Date of Completion:</b> <u>2007</u></p>
<p>Two dry-weather surveys were completed by Year 4. The surveys were completed by the City's consultant, Fuss and O'Neill. A report was prepared that included the results of both dry weather surveys. Results of the two surveys were provided in electronic format (shapefile) and were provided on the CD included with the Year 5 annual report. This information was also included in the Excel tables provided on the CD accompanying the Year 6 Annual Report. This measure has been appropriate and effective. The Engineering Department and hired consultant were responsible for this measure.</p>	
IV.B.3.b.7	<p>Use the space below to provide a description of efforts and actions taken as a result of for coordinating with other physically interconnected MS4s, including State and federal owned or operated MS4s, when illicit discharges were detected or reported. Identify person(s) / Department and/or parties responsible for the implementation of this requirement. Evaluate effectiveness of the implementation of this requirement.</p>
<p>As no illicit discharges or connections have been detected in the vicinity of interconnections, the City has not needed to coordinate with interconnected MS4s, but has coordination procedures in place. The City has working relationships with neighboring MS4s; therefore, the procedures are appropriate and expected to be effective; however, the effectiveness has yet to be determined. The Engineering Department is responsible for this measure.</p>	

**ILLICIT DISCHARGE DETECTION AND ELIMINATION cont'd**

IV.B.3.b.8	Use the space below to provide a description of efforts and actions taken for the referral to RIDEM of non-stormwater discharges not authorized in accordance to Part I.B.3 of this permit or another appropriate RIPDES permit, which the operator has deemed appropriate to continue discharging to the MS4, for consideration of an appropriate permit. Identify person(s) / Department and/or parties responsible for the implementation of this requirement. Evaluate effectiveness of the implementation of this requirement.
Procedures for referral were developed during the SWMPP prior to Year 1, with the process being put in place during Year 3. During 2017 there were no stormwater discharges that occurred. Since no stormwater discharges have been deemed appropriate for referral to RIDEM, the appropriateness and effectiveness of this measure is yet to be determined. The Engineering Department is responsible for completion of this goal.	
IV.B.3.b.9	Use the space below to provide a description of efforts and actions taken to inform public employees, businesses, and the general public of hazards associated with illegal discharges and improper disposal of waste, as well as allowable non-stormwater discharges identified as significant contributors of pollutants. Include a description on how this activity was coordinated with the public education minimum measure and the pollution prevention/good housekeeping minimum measure programs. Identify person(s) / Department and/or parties responsible for the implementation of this requirement. Evaluate effectiveness of the implementation of this requirement.
Public employees are educated on the hazards associated with illegal discharges; the general public has access to educational information on the Town website.	
Additional Measurable Goals and Activities	

**SECTION II.A Other Reporting Requirements - Illicit Discharge Investigation and System Mapping (Part IV.G.2.m)**

# of Illicit Discharges Identified in 2017: 0	# of Illicit Discharges Tracked in 2017: 0
# of Illicit Discharges Eliminated in 2017: 0	# of Complaints Received: 0
# of Complaints Investigated: 0	# of Violations Issued: 0
# of Violations Resolved: 0	# of Unresolved Violations Referred to RIDEM: 0
Total # of Illicit Discharges Identified to Date (since 2003): 0	Total # of Illicit Discharges remaining unresolved at the end of 2017: 0
Summary of Enforcement Actions:	
No enforcement actions were required in 2017.	
Extent to which the MS4 system has been mapped: 100%	
Total # of Outfalls Identified and Mapped to date: 280	

**SECTION II.B Interconnections (Parts IV.G.2.k and IV.G.2.l)**

Interconnection:	Date Found:	Location:	Name of Connectee:	Originating Source:	Planned and Coordinated Efforts and Activities with Connectee:
		State Roads	RIDOT		As required
			Town of Cumberland		As required
			Town of N. Smithfield		As required
			Blackstone, MA		As required
			Bellingham, MA		As required



## MINIMUM CONTROL MEASURE #4: CONSTRUCTION SITE STORMWATER RUNOFF CONTROL (Part IV.B.4 General Permit)

### SECTION I. OVERALL EVALUATION:

#### GENERAL SUMMARY, STATUS, APPROPRIATENESS AND EFFECTIVENESS OF MEASURABLE GOALS:

Include information relevant to the implementation of each measurable goal, such as activities implemented to support the review, issuance and tracking of permits, inspections and receipt of complaints. Discuss activities to be carried out during the next reporting cycle. If addressing TMDL requirements, please indicate rationale for the activities chosen to address the pollutant of concern.

**(Note: Identify parties responsible for achieving the measurable goals and reference any reliance on another entity for achieving measurable goals. Mark with an asterisk (\*) if this person/entity is different from last year.)**

**Responsible Party Contact Name:** Mike Debroisse

**Phone:** (401)767-9216 **Email:** MDebroisse@woonsocketri.org

IV.B.4.b.1 Indicate if the Sediment and Erosion Control and Control of Other Wastes at Construction Sites ordinance was **not** developed, adopted, and submitted to RIDEM, explain reasons why, submit proposed schedule for completion and identify person(s) / Department and/or parties responsible for the completion of this requirement.  
**Date of Adoption:** September 20, 1993, letter of authority to DEM 12/01/2010  
If the Ordinance was amended in 2017, please indicate why changes were necessary. **Please also indicate if amendments have been made based on the 2010 RI Stormwater Design and Installation Standards Manual, and provide references to the amended portions of the local codes/ordinances.**

The Woonsocket City Council formally adopted an "Erosion and Sediment Control Ordinance" (Ordinance Chapter 5803) on September 20, 1993. A signed letter from the City's Solicitor attesting to this ordinance's authority to carry out the applicable requirements of the RIPDES General Permit was provided to DEM in a letter dated December 1, 2010 and was provided with the Year 7 report. No amendments were made in 2017.

IV.B.4.b.6 Use the space below to describe actions taken as a result of receipt and consideration of information submitted by the public.

The procedures for this measure were established during SWMPP development prior to Year 1. Public comments are received by the City Engineer, or another appropriate department at the City. In 2017, no complaints were received. This measure continues to be appropriate and effective in addressing public concerns about soil erosion and sedimentation control involving new development. The Engineering Department is responsible for this measure.

IV.B.4.b.8 Use the space below to describe activities and actions taken as a result of referring to the State non-compliant construction site operators. The operator may rely on the Department for assistance in enforcing the provisions of the RIPDES General Permit for Stormwater Discharges Associated with Construction Activity to the MS4 if the operator of the construction site fails to comply with the local and State requirements of the permit and the non-compliance results or has the potential to result in significant adverse environmental impacts.

The procedures for this measure were established during SWMPP development prior to Year 1. The Engineering Department can close down and retract issued permits for any construction site found to be non-complaint. The Engineering Department has a list of State personnel that can be contacted for assistance with any non-compliant construction site operators. The City did not need to refer any non-compliant construction site operators to RIDEM in Year 14. The Engineering Department is responsible for this goal.

Additional Measurable Goals and Activities

## CONSTRUCTION SITE STORMWATER RUNOFF CONTROL cont'd

**SECTION II. A - Plan and SWPPP/SESC Plan Reviews during Year 14 (2017), Part IV.B.4.b.2:** Issuance of permits and/or implementation of policies and procedures for all construction projects resulting in land disturbance of greater than 1 acre.  
**Part IV.B.4.b.4:** Review 100% of plans and SWPPPs/SESC Plans for construction projects resulting in land disturbance of 1-5 acres must be conducted by adequately trained personnel and incorporate consideration of potential water quality impacts.

# of Construction Applications Received: 15

# of Construction Reviews Completed: 15

# of Permits/Authorizations Issued: 9

Summary of Reviews and Findings, include an evaluation of the effectiveness of the program. Identify person(s) /Department and/or parties responsible for the implementation of this requirement:

Fifteen (15) construction applications were received and reviewed and nine (9) were authorized by the end of 2017 (*Attachment 5*). The construction projects involve some small commercial development for restaurants and a water main improvement project on Park Avenue. There were no issues concerning reviews completed in 2017. The Engineering Department is responsible for this measure. It is effective to conduct plan reviews for construction projects resulting in land disturbances greater than one acre.

**SECTION II.B - Erosion and Sediment Control Inspections during Year 14 (2017), Parts IV.G.2.n and IV.B.4.b.7:** Inspection of 100% of all construction projects within the regulated area that discharge or have the potential to discharge to the MS4 (the program must include two inspections of all construction sites, first inspection to be conducted during construction for compliance of the Erosion and Sediment controls at the site, the second to be conducted after the final stabilization of the site).

# of Active Construction Projects: 7

# of Site Inspections: 7

# of Violations Issued: 0

# of Complaints Received: 0

# of Unresolved Violations Referred to RIDEM: 0

Summary of Enforcement Actions, include an evaluation of the effectiveness of the program. Identify person(s) /Department and/or parties responsible for the implementation of this requirement:

There were seven (7) active construction projects in 2017, all involving residential additions or new construction. There were no complaints or issues noted concerning inspections conducted in 2017. It is appropriate and effective to conduct erosion and sediment control inspections. The City's Engineering Department is responsible for implementation of this requirement.



# MINIMUM CONTROL MEASURE #5: POST CONSTRUCTION STORMWATER MANAGEMENT IN NEW DEVELOPMENT AND REVELOPMENT (Part IV.B.5 General Permit)

## SECTION I. OVERALL EVALUATION:

### GENERAL SUMMARY, STATUS, APPROPRIATENESS AND EFFECTIVENESS OF MEASURABLE GOALS:

Include information relevant to the implementation of each measurable goal, such as activities implemented to support the review, issuance and tracking of permits, inspections and receipt of complaints, etc. Please indicate if any projects have incorporated the use of Low Impact Development techniques. Discuss activities to be carried out during the next reporting cycle. If addressing TMDL requirements, please indicate rationale for the activities chosen to address the pollutant of concern.

**(Note: Identify parties responsible for achieving the measurable goals and reference any reliance on another entity for achieving measurable goals. Mark with an asterisk (\*) if this person/entity is different from last year.)**

**Responsible Party Contact Name:** Mike Debrousse

**Phone:** (401)767-9216 **Email:** MDebrousse@woonsocketri.org

IV.B.5.b.5 Use the space below to describe activities and actions taken to coordinate with existing State programs requiring post-construction stormwater management.

The City requires that applicants receive state approvals before applications will be accepted and approved. Notwithstanding, the City does not plan to solely rely on state approvals and will continue to review plans for storm water management. As indicated on the City's Stormwater Management website (<http://www.woonsocketri.org/stormwater-management>), any development or redevelopment in the City of Woonsocket will now require the development and submittal of a Stormwater Management Plan (the requirements of which are consistent with the *2015 Rhode Island Stormwater Design and Installation Standards Manual*). It is appropriate to determine how plan review will account for state program review. Reviewing plans and referring applicants to the state when required has been effective. The Engineering Department is responsible for referring applicants for state reviews when applicable.

IV.B.5.b.6 Use the space below to describe actions taken for the referral to RIDEM of new discharges of stormwater associated with industrial activity as defined in RIPDES Rule 31(b)(15) (the operator must implement procedures to identify new activities that require permitting, notify RIDEM, and refer facilities with new stormwater discharges associated with industrial activity to ensure that facilities will obtain the proper permits).

The procedures for this measure were established during SWMPP development prior to Year 1. The City Engineer requires new applicants to obtain state permits prior to approving new industrial discharges. Details regarding this are included in the executive summary of the SWMPP. It is appropriate and effective to refer new industrial discharges to the state. No new industrial discharges were reported in 2017 and the effectiveness is yet to be determined. The DPW and City Council are responsible for this goal.

IV.B.5.b.9 Indicate if the Post-Construction Runoff from New Development and Redevelopment Ordinance was **not** developed, adopted, and submitted to RIDEM, explain reasons why, submit proposed schedule for completion and identify person(s) / Department and/or parties responsible for the completion of this requirement.

**Date of Adoption: March 21, 2005**

If the Ordinance was amended in 2017, please indicate why changes were necessary. **Please also indicate if amendments have been made based on the 2010 RI Stormwater Design and Installation Standards Manual, and provide references to the amended portions of the local codes/ordinances.**

The Woonsocket City Council formally adopted a "Post Construction – Storm Water Control Ordinance" (Ordinance Chapter 7193) on March 21, 2005. A signed letter from the City's Solicitor attesting to this ordinance's authority to carry out the applicable requirements of the RIPDES General Permit was provided to DEM in a letter dated December 1, 2010 and was provided with the Year 7 report. No amendments were made in 2017.

IV.B.5.b.12 Use the space below to describe activities and actions taken to identify existing stormwater structural BMPs discharging to the MS4 with a goal of ensuring long term O&M of the BMPs.

Existing BMPs have been identified, and new BMPs are added to the inventory as the City issues occupancy certificates. No new BMPs were constructed in 2017. This measure has been appropriate and effective. The Engineering Department is responsible for this measure.

Additional Measurable Goals and Activities

**POST CONSTRUCTION STORMWATER MANAGEMENT IN NEW DEVELOPMENT AND REDEVELOPMENT**  
**cont'd**

**SECTION II.A. - Plan and SWPPP/SESC Plan Reviews during Year 14 (2017), Part IV.B.5.b.4:** Review 100% of post-construction BMPs for the control of stormwater runoff from new development and redevelopment projects that result in discharges to the MS4 which incorporates consideration of potential water quality impacts (the program requires reviewing 100% of plans for development projects greater than 1 acre, not reviewed by other State programs).

# of Post-Construction Applications Received:   5  

# of Post-Construction Reviews Completed:   5  

# of Permits/Authorizations Issued:   5  

Summary of Reviews and Findings, include an evaluation of the effectiveness of the program. Identify person(s) /Department and/or parties responsible for the implementation of this requirement:

There were no issues observed resulting from post construction BMP reviews in 2017. The City is committed to review 100% of post-construction BMPs for the control of storm water runoff from new development and redevelopment projects. The City takes the opportunity during all plan reviews to recommend and encourage the applicant to utilize green infrastructure BMP's for their project such as: rain gardens, grassed swales, permeable paving. The Building Official completes post construction reviews before a Certificate of Occupancy is issued. The Engineering Department is responsible for implementation of this requirement.

**SECTION II.B. - Post Construction Inspections during Year 14 (2017), Parts IV.G.2.o and IV.B.5.b.10 - Proper Installation of Structural BMPs:** Inspection of BMPs, to ensure these are constructed in accordance with the approved plans (the program must include inspection of 100% of all development greater than one acre within the regulated areas that result in discharges to the MS4 regardless of whom performs the review).

# of Active Construction Projects: 7

# of Construction Projects Completed: 5

# of Site Inspections for proper Installation of BMPs: 5

# of Complaints Received: 0

# of Violations Issued: 0

# of Unresolved Violations Referred to RIDEM: 0

Summary of Enforcement Actions:

Five (5) post-construction inspections were conducted in 2017 with no issues. No enforcement actions were required in 2017.

**SECTION II.C. - Post Construction Inspections during Year 14 (2017), Parts IV.G.2.p and IV.B.5.b.11 - Proper Operation and Maintenance of Structural BMPs:** Describe activities and actions taken to track required Operations and Maintenance (O&M) actions for site inspections and enforcement of the O&M of structural BMPs. Tracking of required O&M actions for site inspections and enforcement of the O&M of structural BMPs.

# of Site Inspections for proper O&M of BMPs: 0

# of Complaints Received: 0

# of Violations Issued: 0

# of Unresolved Violations Referred to RIDEM: 0

Summary of Activities and Enforcement Actions. Evaluate the effectiveness of the Program in minimizing water quality impacts. Identify person(s) /Department and/or parties responsible for the implementation of this requirement:

After the completion of a Post Construction inspection, a letter is sent by the City to the owner of record concerning suggested maintenance along with educational material. It is effective to conduct post-construction inspections for proper operation and maintenance of structural BMPs. The Engineering Department is responsible for this measure.



**POST CONSTRUCTION STORMWATER MANAGEMENT IN NEW DEVELOPMENT AND REDEVELOPMENT**  
**cont'd**

**Strategies for requiring the use of non-structural Low Impact Development (LID) site design practices and techniques into stormwater management designs for new and redevelopment projects, check all that apply in your municipality/MS4:**

- ☐ None
- ☐ Ordinances or by-laws requiring LID standards (e.g. reduced road widths, % conservation land, etc.)
- ☐ Ordinances or by-laws requiring LID design at conceptual review (i.e., Pre-application and/or Master Plan) stages for municipal review prior to plans being engineered.
- ☐ Ordinances or by-laws requiring LID standards only in impaired waterbody drainage areas
- ☐ Local development regulations requiring use of LID to the maximum extent practicable
- ☒ LID Guidance available in written form
- ☒ LID Guidance available at pre-application meetings
- ☐ Other strategies to ensure incorporation of LID to the maximum extent practicable, describe:

The City takes the opportunity during all plan reviews to recommend and encourage the applicant to utilize green infrastructure BMP's for their project such as: rain gardens, grassed swales, permeable paving.

Person(s)/Department responsible for reviewing submissions for LID:

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Person(s)/Department/Board responsible for approving submissions for LID at Preliminary and/or Final Review, if applicable:

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**POST CONSTRUCTION STORMWATER MANAGEMENT IN NEW DEVELOPMENT AND REDEVELOPMENT**  
**cont'd**

**Strategies being implemented to ensure long-term Operation and Maintenance (O&M) of privately-owned stormwater BMPs, check all that apply in your municipality/MS4:**

- ☐ None
- ☐ Ordinances or by-laws identify BMP inspection responsible party
- ☒ Ordinances or by-laws identify BMP maintenance responsible party
- ☐ Ordinances or by-laws identify BMP inspections and maintenance requirements
- ☐ Ordinances or by-laws provide for easements or covenants for inspections and maintenance
- ☐ Ordinances or by-laws require for every constructed BMP an inspections and maintenance agreement
- ☒ Ordinances or by-laws contain requirements for documenting and detailing inspections
- ☐ Ordinances or by-laws contain requirements for documenting and detailing maintenance
- ☐ Ordinances or by-laws contain authority to enforce for lack of maintenance or BMP failure
- ☒ The MS4 is responsible for inspections of all privately-owned BMPs
- ☐ The MS4 is responsible for maintenance of all privately-owned BMPs
- ☐ Establishment of escrow account for use in case of failure of BMP
- ☐ Other strategies to ensure long-term O&M of privately-owned BMPs, describe:

Does your municipality/MS4 require the use BMPs Operations and Maintenance Agreements? ☒ YES ☐ NO

If YES, please indicate if the Operations and Maintenance Agreements include the following:

- |   |   |
|---|---|
| a. Party responsible for the long-term O&M of permanent stormwater management BMPs  | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO |
| b. A description of the permanent stormwater BMPs that will be operated and maintained  | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO |
| c. The location of the permanent stormwater BMPs that will be operated and maintained   | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO |
| d. A timeframe for routine and emergency inspections and maintenance of all permanent stormwater management BMPs  | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO |
| e. A requirement that all inspections and maintenance activities are documented   | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO |
| f. Annual submission of inspection/maintenance certification/documentation to the MS4   | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO |
| g. Stormwater management easement for access for inspections and maintenance or the preservation of stormwater runoff conveyance, infiltration, and detention areas and other stormwater controls and BMPs by persons other than the property owner | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO |
| h. Steps available for addressing a failure to maintain the stormwater controls and BMPs  | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO |

Please elaborate, if appropriate:

The City requires compliance with Operation and Maintenance Plan requirements per RIDEM and CRMC. The City completes inspections of all surface BMPs.

Does your municipality/MS4 keep an inventory of privately-owned BMPs? ☒ YES ☐ NO

**For privately-owned structural BMPs**, does your municipality/MS4 have a system for tracking:

- |   |   |
|---|---|
| a. Agreements and arrangements to ensure O&M of BMPs? | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO |
| b. Inspections?                                       | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO |
| c. Maintenance and schedules?                         | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO |
| d. Complaints?  | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO |
| e. Non-Compliance?                                    | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO |
| f. Enforcement actions?                               | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO |

Do you use an electronic tool (e.g. GIS, database, spreadsheet) to track post-construction BMPs, inspections, and maintenance? ☒ YES ☐ NO

If yes, please elaborate on which tools are used:

The City uses GIS and spreadsheets to track inspections, but not maintenance. (see attached map and BMP list, Attachments 6 and 7).

*NOTE: BMP maintenance tasks can be a great way to involve and educate the community to their purpose and function. BMPs have the potential to create a highly interactive environment for community members and volunteers to get involved*



## MINIMUM CONTROL MEASURE #6: POLLUTION PREVENTION AND GOOD HOUSEKEEPING IN MUNICIPAL OPERATIONS (Part IV.B.6 General Permit)

### SECTION I. OVERALL EVALUATION:

#### GENERAL SUMMARY, STATUS, APPROPRIATENESS AND EFFECTIVENESS OF MEASURABLE GOALS:

Include information relevant to the implementation of each measurable goal, such as activities and practices used to address on-going requirements, and personnel responsible. Discuss activities to be carried out during the next reporting cycle. If addressing TMDL requirements, please indicate rationale for the activities chosen to address the pollutant of concern.

**(Note: Identify parties responsible for achieving the measurable goals and reference any reliance on another entity for achieving measurable goals. Mark with an asterisk (\*) if this person/entity is different from last year.)**

**Responsible Party Contact Name:** Mike Debroisse

**Phone:** (401)767-9216 **Email:** MDebroisse@woonsocketri.org

IV.B.6.b.1.i Use the space below to describe activities and actions taken to identify structural BMPs owned or operated by the small MS4 operator (the program must include identification and listing of the specific location and a description of all structural BMPs in the SWMPP and update the information in the Annual Report). Evaluate appropriateness and effectiveness of this requirement.

**Do you have an inventory of MS4-owned/operated BMPs?** ☒ YES ☐ NO

**Total # of MS4-owned/operated BMPs** (does not include CBs or MHs): 9

The DPW has identifies existing structural BMPs and adds new structural BMPs when the City takes ownership. One, newly discovered, BMP was added to the list in 2017. A list of structural BMPs within the City limits and their respective owners is provided as an attachment to this Annual Report (*Attachment 7*). This measure is appropriate and effective. The Engineering Department is responsible for the completion and implementation of this goal.

IV.B.6.b.1.ii Use the space below to describe activities and actions taken for inspections, cleaning and repair of detention/retention basins, storm sewers and catch basins with appropriate scheduling given intensity and type of use in the catchment area. Evaluate appropriateness and effectiveness of this requirement.

**# of MS4-owned/operated BMPs inspected in 2017:** 8

**# of MS4-owned/operated BMPs maintained/cleaned in 2017:** as necessary, per inspection

**# of MS4-owned/operated BMPs repaired in 2017:** 0

Does your municipality/MS4 have a system for tracking:

- |  |   |                             |
|--|---|-----------------------------|
| a. Inspection schedules of MS4-owned BMPs?           | <input checked="" type="checkbox"/> YES | <input type="checkbox"/> NO |
| b. Maintenance/cleaning schedules of MS4-owned BMPs? | <input checked="" type="checkbox"/> YES | <input type="checkbox"/> NO |
| c. Repairs, corrective actions needed?               | <input checked="" type="checkbox"/> YES | <input type="checkbox"/> NO |
| d. Complaints?                                       | <input checked="" type="checkbox"/> YES | <input type="checkbox"/> NO |

Do you use an electronic tool (e.g. GIS, database, spreadsheet) to track stormwater BMPs, inspections, and maintenance? ☒ YES ☐ NO

The City aims to inspect and maintain BMPs annually or more frequently if determined to be necessary. The City inspected all of the BMPs in the attached list in 2017. Both BMPs owned by the City and privately owned BMPs are inspected by the City. After the inspection, the City then sends a letter to the BMP owner of record which identifies any necessary corrective actions along with educational material. The City plans to continue BMP inspections in the upcoming year. In 2017, repairs to catch basins and manholes were limited to adjustments to grade. Inspection and maintenance of the City's BMPs is appropriate and effective. The Engineering Department is responsible for inspections and maintenance.

**POLLUTION PREVENTION AND GOOD HOUSEKEEPING IN MUNICIPAL OPERATIONS cont'd**

IV.B.6.b.1.iii	<p>Use the space below to describe activities and actions taken to support the requirement of yearly inspection and cleaning of all catch basins (a lesser frequency of inspection based on at least two consecutive years of operational data indicating the system does not require annual cleaning might be acceptable). Evaluate appropriateness and effectiveness of this requirement.</p> <p><b>Total # of CBs within regulated area (including SRPW and TMDL areas):</b> <u>2,865</u></p> <p><b># of CBs inspected in 2017:</b> <u>1409</u>      <b>% of Total inspected:</b> <u>49</u></p> <p><b># of CBs cleaned in 2017:</b> <u>1409</u>      <b>% of Total cleaned:</b> <u>49</u></p> <p>Quantity of sand/debris collected by cleaning of catch basins: <u>961.88 tons (total from street sweeping and CB cleaning)</u></p> <p>Location used for the disposal of debris: <u>Rhode Island Resource Recovery</u></p> <p>Do you use an electronic tool (e.g. GIS, database, spreadsheet) to track the inspections and cleaning of catch basins?      <input checked="" type="checkbox"/> YES      <input type="checkbox"/> NO</p>
<p>The City has developed an annual catch basin cleaning program. A summary of the program was attached to the Year 3 annual report. The program consists of cleaning the catch basins using a grid system to track the catch basins that have been cleaned. Certain portions of the City, specifically the low-lying areas of the developed portions of the City, are cleaned more regularly. A map showing the catch basins that were inspected and cleaned is attached to this annual report. A combined 961.88 tons of material was collected through the street sweeping and catch basin cleaning activities in 2017 (see attached sweeping tonnage for 2017, <i>Attachment 8</i> and log of structures cleaned by district, <i>Attachment 9</i>). The Engineering Department is responsible for the completion of this goal.</p>	
IV.B.6.b.1.iv	<p>Use the space below to describe activities and actions taken to minimize erosion of road shoulders and roadside ditches by requiring stabilization of those areas. Evaluate appropriateness and effectiveness of this</p>
<p>This measurable goal was completed in the SWMPP development process. In the City, most of the roadways are curbed and have sidewalks. Any roadway with a shoulder or ditch in need of repair is immediately addressed. It is usually a property owner or municipal employee that notifies the Engineering Department of a problem. Inspections during road work by municipal employees are an appropriate way of observing any erosion of road side shoulders and ditches. Erosive conditions that are found are treated with loam and seed. No repairs to road shoulders and roadside ditches were made in 2017. Erosive conditions will be corrected when discovered, which is effective in preventing further erosion. The DPW is responsible for the completion of this goal.</p>	
IV.B.6.b.1.v	<p>Use the space below to describe activities and actions taken to identify and report known discharges causing scouring at outfall pipes or outfalls with excessive sedimentation, for the Department to determine on a case-by-case basis if the scouring or sedimentation is a significant and continuous source of sediments. Evaluate appropriateness and effectiveness of this requirement.</p>
<p>No evidence of scouring or excessive sedimentation was determined in 2017. The system mapping previously described included an initial inspection of outfalls to create a priority list for future years. The DPW is responsible for the completion of this goal.</p>	

**POLLUTION PREVENTION AND GOOD HOUSEKEEPING IN MUNICIPAL OPERATIONS cont'd**

IV.B.6.b.1.vi	<p>Use the space below to indicate if all streets and roads within the urbanized area were swept annually and if not indicate reason(s). Evaluate appropriateness and effectiveness of this requirement.</p> <p><b>Total roadway miles within regulated area (including SRPW and TMDL areas):</b> <u>108</u></p> <p><b>Roadway miles that were swept in 2017:</b> <u>117</u>      <b>% of Total swept:</b> <u>108%</u></p> <p>Type of sweeper used:      <input checked="" type="checkbox"/> Rotary brush street sweeper      <input type="checkbox"/> Vacuum street sweeper</p> <p>Quantity of sand/debris collected by sweeping of streets and roads: <u>961.88 tons (total from street sweeping and CB cleaning)</u></p> <p>Location used for the disposal of debris: <u>Rhode Island Resource Recovery</u></p> <p>Do you use an electronic tool (e.g. GIS, database, spreadsheet) to track the annual sweeping of streets and roads?      <input checked="" type="checkbox"/> YES      <input type="checkbox"/> NO</p>
<p>The City committed to the measurable goal of sweeping all municipal streets in the submitted SWMPP. Presently, over 100% of City streets are cleaned at least once a year based on the City's grid system. Street sweeping is typically conducted at the same time catch basin cleaning and inspections occur. In 2017, street sweeping of every street occurred between April and July. Streets requiring repeated sweeping were swept again, thereafter. All streets in the City were swept at least once, with the downtown area swept more frequently. A combined 961.88 tons of material was collected through the street sweeping and catch basin cleaning activities in 2017. All waste material is disposed of by the Rhode Island Resource Recovery Corporation. The DPW is responsible for the completion of this goal.</p>	
IV.B.6.b.1.vii	<p>Use the space below to describe activities and actions taken for controls to reduce floatables and other pollutants from the MS4. Evaluate appropriateness and effectiveness of this requirement.</p> <p>The City currently requires that all new and redevelopment projects include installation of catch basin hoods. The City evaluates the need for retrofits as funds become available and targets priority areas. Catch basin inlet grates are cleaned when catch basins are inspected or when municipal employees report a need for cleaning. The annual catch basin cleaning program and street sweeping program includes removal of floatables. Floatables are also collected by Woonsocket's Routine Litter Patrol setup by the Highway Department during daily litter pickup activities. Trash cans are provided at frequented pedestrian areas including Main Street and the RIPTA bus stops. The DPW is responsible for the completion of this goal.</p>
IV.B.6.b.1.viii	<p>Use the space below to describe the method for disposal of waste removed from MS4s and waste from other municipal operations, including accumulated sediments, floatables and other debris and methods for record-keeping and tracking of this information.</p> <p>Do you have a system for tracking actions to remove and dispose of waste?      <input checked="" type="checkbox"/> YES      <input type="checkbox"/> NO</p>
<p>The City continues to dispose of waste in accordance with applicable state requirements. Additionally, the City runs a citywide recycling program. Information on citywide recycling is available on the City's website.</p>	
IV.B.6.b.4 and IV.B.6.b.5	<p>Use the space below to describe and indicate activities and corrective actions for the evaluation of compliance. This evaluation must include visual quarterly monitoring; routine visual inspections of designated equipment, processes, and material handling areas for evidence of, or the potential for, pollutants entering the drainage system or point source discharges to a waters of the State; and inspection of the entire facility at least once a year for evidence of pollution, evaluation of BMPs that have been implemented, and inspection of equipment. A Compliance Evaluation report summarizing the scope of the inspection, personnel making the inspection, major observations related to the implementation of the Stormwater Management Plan (formerly known as a Stormwater Pollution Prevention Plan), and any actions taken to amend the Plan must be kept for record-keeping purposes.</p>
<p>The general permit requires that municipally owned facilities with storm water discharges associated with industrial activity, implement a site specific Stormwater Management Plan (formerly known as a storm water pollution prevention plan). There is one municipally owned industrial facility with a site specific Stormwater Management Plan in Woonsocket, which is the Highway Garage. Regular inspections of this facility are performed by members of the Highway Department. This is an appropriate and effective measure for ensuring that municipally owned industrial facilities are not polluting the City's storm water system. The DPW is responsible for this measurable goal. No significant corrective actions were recorded in 2017, although minor preventative maintenance was performed.</p>	

**POLLUTION PREVENTION AND GOOD HOUSEKEEPING IN MUNICIPAL OPERATIONS cont'd**

IV.B.6.b.6	<p>Use the space below to describe all employee training programs used to prevent and reduce stormwater pollution from activities such as park and open space maintenance, fleet and building maintenance, new construction and land disturbances, and stormwater system maintenance for the past calendar year, including staff municipal participation in the URI NEMO stormwater public education and outreach program and all in-house training conducted by municipality or other parties. Evaluate appropriateness and effectiveness of this requirement.</p> <p>How many stormwater management trainings have been provided to <i>municipal employees</i> during this reporting period? <u>  0  </u></p> <p>What was the date of the last training? <u>  N/A  </u></p> <p>How many <i>municipal employees</i> have been trained in this reporting period? <u>  0  </u></p> <p>What percent of <i>municipal employees</i> in relevant positions and departments received stormwater management training? <u>  0  </u>%</p>
<p>The City plans to rely on the Storm Water Education and Outreach program for training needs in future years. The current program was evaluated as part of the SWMPP development process. Details regarding this are included in Section 9.0 of the SWMPP and the Response to Comments. The DPW is responsible for this goal.</p>	
IV.B.6.b.7	<p>Use the space below to describe actions taken to ensure that new flow management projects undertaken by the operator are assessed for potential water quality impacts and existing projects are assessed for incorporation of additional water quality protection devices or practices. Evaluate appropriateness and effectiveness of this requirement.</p>
<p>The City will evaluate and formalize the current procedures and develop new procedures as necessary to assess flow management projects for potential water quality impacts. Currently, flow management is addressed during the site plan review process as part of the drainage review for proposed projects. It is appropriate and effective to assess flow management projects during planning stages of municipal projects. The DPW is responsible for the completion of this goal.</p>	
<p><b>Additional Measurable Goals and Activities</b></p> <p>The City has completed multi-million dollar upgrades at the Regional Wastewater Plant to further reduce pollutant concentrations from the effluent during 2017.</p> <p>The City is also in the process of working with Woonsocket Water Services, LLC to design and build a new water treatment plant. Construction is anticipated for 2018-2019.</p> <p>The City is also exploring the feasibility of issuing a RFP for the maintenance of the storm water system including catch basin cleaning, camera investigations, and discovery of any cross connections.</p> <p>The City also completed the installation of a stormwater improvement/sedimentation basin on Winthrop St. and Leon St. Installation was completed in 2017 and has been added to the BMP list (<i>Attachment 7</i>).</p>	

**SECTION II.A - Structural BMPs (Part IV.B.6.b.1.i)**

BMP ID:	Location:	Name of BMP Owner/Operator:	Description of BMP:	Frequency of Inspection:
	See Attachment 7			

**SECTION II.B - Discharges Causing Scouring or Excessive Sedimentation (Part IV.B.6.b.1.v)**

Outfall ID:	Location:	Description of Problem:	Description of Remediation Taken, include dates:	Receiving Water Body Name/Description:

***POLLUTION PREVENTION AND GOOD HOUSEKEEPING IN MUNICIPAL OPERATIONS cont'd***

**SECTION II.C - Note any planned municipal construction projects/opportunities to incorporate water quality BMPs, low impact development, or activities to promote infiltration and recharge (Part IV.G.2.j).**

The City anticipates that its upcoming road paving/reconstruction projects will incorporate BMPs to the best extent practicable, including storm water infiltration practices. Additionally, the Town requires that new construction retain storm water onsite, including new driveways.

**SECTION II.D - Please include a summary of results of any other information that has been collected and analyzed. This includes any type of data (Part IV.G.2.e).**

No other data has been collected.



## TOTAL MAXIMUM DAILY LOAD (TMDL) or other Water Quality Determination REQUIREMENTS

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**SECTION I. If you have been notified that discharges from your MS4 require non-structural or structural stormwater controls based on an approved TMDL or other water quality determination, please provide an assessment of the progress towards meeting the requirements for the control of stormwater identified in the approved TMDL (Part IV.G.2.d). Please indicate rationale for the activities chosen to address the pollutant of concern.**

The Blackstone River (identification numbers RI0001003R-01A), Cherry Brook (identification number RI0001003R-02), Mill River (identification number RI0001003R-03), and Peters River (identification number RI0001003R-04) are the waterbodies in the City with an approved TMDL. The TMDL encompassing all of the aforementioned waterbodies went into effect on April 22, 2013. The TMDL for the Woonsocket section of the Blackstone River is for pathogens, cadmium, and lead. The TMDL for Cherry Brook and Peters River is for pathogens and copper. The TMDL for Mill River is for pathogens only.





## SPECIAL RESOURCE PROTECTION WATERS (SRPWs)

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**SECTION I.** In accordance with Rule 31(a)(5)(i)G of the *Regulations for the Rhode Island Pollutant Discharge Elimination System* (RIPDES Regs), on or after March 10, 2008, any discharge from a small municipal separate storm sewer system to any Special Resource Protection Waters (SRPWs) or impaired water bodies within its jurisdiction must obtain permits if a waiver has not been granted in accordance to Rule 31(g)(5)(iii). A list of SRPWs can be found in Appendix D of the *RIDEM Water Quality Regulations* at this link:

<http://www.dem.ri.gov/pubs/regs/regs/water/h20q09a.pdf>

The 2008 303(d) Impaired Waters list can be found in Appendix G of the *2008 Integrated Water Quality Monitoring and Assessment Report* at this link: <http://www.dem.ri.gov/programs/benviron/water/quality/pdf/iwqmon08.pdf>

**If you have discharges from your MS4 (regardless of its location) to any of the listed SRPWs or impaired waters (including impaired waters when a TMDL has not been approved), please provide an assessment of the progress towards expanding the MS4 Phase II Stormwater Program to include the discharges to the aforementioned waters and adapting the Six Minimum Control Measures to include the control of stormwater in these areas. Please indicate a rationale for the activities chosen to protect these waters. Please note that all of the measurable goals and BMPs required by the 2003 MS4 General Permit may not be applicable to these discharges.**

As depicted on the map provided in Appendix J of the DEM Regulations for the Rhode Island Pollutant Discharge Elimination System, the entire limits of the City of Woonsocket are designated as an Urbanized Area.

There are no Special Resource Protection Waters (SRPWs) located within the City of Woonsocket to which the City's MS4s discharge (Appendix D, RIDEM Water Quality Regulations). The Woonsocket Reservoir #1 and #3 waterbodies are included in the SRPW list; however, these are indicated as being located in North Smithfield.

The City is working with CDM Smith to design and install a storm quality improvement/sedimentation basin as part of a road reclamation project on Winthrop/St. Leon St. Installations were completed in 2017; BMPs need to be drafted.



# RHODE ISLAND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

Office of Water Resources



## INSTRUCTIONS FOR THE RI POLLUTANT DISCHARGE ELIMINATION SYSTEM (RIPDES) SMALL MUNICIPAL SEPARATE STORM SEWER SYSTEMS AND INDUSTRIAL ACTIVITY AT ELIGIBLE FACILITIES OPERATED BY REGULATED SMALL MS4s ANNUAL REPORT FORM

### **WHO MUST SUBMIT AN ANNUAL REPORT:**

Owners/Operators of regulated small municipal separate storm sewer systems (MS4s) and industrial activities authorized to discharge stormwater under the Rhode Island Pollutant Discharge Elimination System (RIPDES) Stormwater General Permit for Small Municipal Separate Storm Sewer Systems and Industrial Activity at Eligible Facilities Operated by Regulated Small MS4s (hereafter referred to as "the General Permit"), must submit an Annual Report, outlined in Part IV.G of the permit. The Report must be submitted each year after permit issuance by March 10<sup>th</sup> to track progress of compliance. If you have questions regarding this Annual Report Form contact Margarita Chatterton of the Rhode Island Department of Environmental Management (RIDEM), Office of Water Resources, Permitting Section at (401) 222-4700 ext. 7605.

The Annual Report must be submitted to:

RIDEM  
Office of Water Resources  
RIPDES Program  
Permitting Section  
235 Promenade Street  
Providence, RI 02908  
ATTN: Jennifer Stout

### **INSTRUCTIONS FOR COMPLETION:**

#### **GENERAL INFORMATION PAGE:**

##### **"RIPDES Permit #"**

Include your permit ID # to ensure proper tracking.

##### **"Operator of MS4"**

Give the legal name of the person, firm, public (municipal) organization, or any other entity that is responsible for day-to-day operations of the MS4 described in this application (RIPDES Rules 3 & 12). Enter the complete address and telephone number of the operator. Circle the appropriate choice to indicate the legal status of the operator of the MS4.

##### **"Owner of MS4"**

If the owner is the same as the operator do not complete this section. Give the legal name of the person, firm, public (municipal) organization, or any other entity that owns the MS4 described in this application (RIPDES

Rules 3 & 12). Do not use a colloquial name. Enter the complete address and telephone number of the owner.

##### **"Certification"**

State and federal statutes provide for severe penalties for submitting false information on this application form. State and federal regulations require this application to be signed as follows (RIPDES Rule 12);

*For a corporation:* by a responsible corporate officer, which means: (i) president, secretary, treasurer, or vice president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision making functions, or (ii) the manager of one or more manufacturing, production, or operating facilities, provided the manager is authorized to make management decisions which govern the operation of the regulated facility including having the explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure long term environmental compliance with environmental laws and regulations; the manager can ensure that the necessary systems are established or actions taken to gather complete and accurate information or permit application requirements; and where authority to sign documentation has been assigned or delegated to the manager in accordance with corporate procedures;

*For a partnership or sole proprietorship:* by a general partner or the proprietor;

*For a Municipality, State, Federal or other public site:* by either a principal executive officer or ranking elected official.

#### **SECTION I- OVERALL EVALUATION OF BMPS AND MEASURABLE GOALS:**

One or more pages, front and back, are provided to report on the status of measurable goals which have been developed to aid in the implementation of strategies, procedures, and programs used to achieve each of the six minimum control measures in Part IV.B of the General Permit. This section provides narrative space for a descriptive explanation and evaluation of the actions taken to satisfy each of the minimum control measures for the 2017 calendar year. Please type or print. If additional space is needed, modify as necessary. Please submit attachments to the appropriate minimum control measure following the format provided.

A Permit ID # has been provided, which refers to the part of the permit where you can find a listing or description of the required measurable goal.

Please provide a general summary of actions taken (implementation of BMPs, development of procedures, events, etc.) to meet the measurable goals of the minimum measure. **Be sure to identify parties responsible for achieving each measurable goal** and reference any reliance on another entity for achieving any measurable goal. **Mark with an asterisk (\*) if this person/entity is different from last year.**

Describe whether each measurable goal was completed within the time proposed in the General Permit or your Stormwater Management Program Plan (SWPPP). Why or why not? Provide a progress report and discussion of activities that will be carried out during the next reporting cycle to satisfy the requirements of the minimum measures. If applicable, assess the appropriateness of the actions taken to meet the requirements of the minimum measure. In determining appropriateness, you may want to consider at a minimum the local population targeted, pollution sources addressed, receiving water concerns, integration with local management procedures, and available resources and violations or environmental impacts eliminated or minimized.

Also, discuss the effectiveness of the implementation of BMPs to meet the requirements of the minimum measure and the overall effectiveness of the minimum measure. Describe your progress towards achieving the overall goal of reducing the discharge of pollutants. Please include assessment parameters/indicators used to measure the success of the minimum measure. Also include a discussion of any proposed changes to BMPs or measurable goals.

After evaluation, it may be necessary to make changes or modifications to your Implementation Schedule if the time frame, appropriateness or effectiveness cannot be assured. If so, please include descriptions of changes or modifications, and detailed justification in the appropriate sections.

## **SECTION II- ADDITIONAL ANNUAL REPORT REQUIREMENTS**

Section II refers to additional reporting requirements that the General Permit requires to be submitted to the Department as part of the Annual Report. Section II requirements apply to Minimum Control Measures 2 through 6.

### **Minimum Control Measure #2: Section II:**

Specify the date of and how the annual report was public noticed. If a public meeting was needed, provide the date and place. Include a summary of public comments

received in the public comment period of the draft annual report and planned responses or changes to the program (new or revised BMP's and measurable goals, partnerships, etc.). Be sure to attach a copy of your public notice (Parts IV.G.2.h and IV.G.2.i) to the Annual Report.

### **Minimum Control Measure #3: Section II.A:**

Provide the number of illicit discharges identified in 2017, number of illicit discharges tracked in 2017, number of illicit discharges eliminated in 2017, complaints received, complaints investigated, violations issued and resolved with a summary of enforcement actions, number of unresolved violations that have been referred to RIDEM, the total number of illicit discharges identified to date, and the total number of illicit discharges remaining unresolved at the end of 2017. Include a short narrative describing the extent to which your system has been mapped (Part IV.G.2.m), and the total number of outfalls identified to date.

### **Minimum Control Measure #3: Section II.B:**

List identified MS4 interconnections, including location, date found, operator of the physically interconnected MS4, and originating source of newly identified physical interconnections with other small MS4s. Also note any planned or coordinated activities with the physically interconnected MS4 (Part IV.G.2.k and IV.G.2.l).

### **Minimum Control Measures #4 & 5: Section II.A:**

Identify the number of construction and post-construction plan and SWPPP/SESC Plan reviews completed during Year 14 (2017) and any additional information. This includes, but is not limited to a summary of the reviews, responsible parties, and types of projects reviewed.

### **Minimum Control Measure #4: Section II.B:**

Construction inspection information for erosion and sediment control should be submitted annually as stated in Part IV.G.2.n. Provide a summary of the number of site inspections conducted, inspections that have resulted in enforcement actions, violations that have been resolved and of those unresolved, referred to RIDEM.

### **Minimum Control Measure #5: Section II.B:**

Post-construction inspection information for proper installation of post-construction structural BMPs should be submitted annually as stated in Part IV.G.2.o. This should provide a summary of the number of site inspections conducted, inspections that have resulted in enforcement actions, violations that have been resolved and of those unresolved, referred to RIDEM.

### **Minimum Control Measure #5: Section II.C:**

Inspection information for proper operation and maintenance of post-construction structural BMPs should be submitted annually as stated in Part IV.G.2.p. This should provide a summary of the number of site inspections conducted, inspections that have resulted in

enforcement actions, violations that have been resolved and of those unresolved, referred to RIDEM.

Also include a discussion of any proposed changes to BMPs or measurable goals.

**Minimum Control Measure #6: Section II.A:**

As prescribed in Part IV.B.6.b.1.i of the General Permit, the MS4 operator must identify and list the specific location and description of all structural BMPs in the SWMPP at the time of application and update the information in the annual report.

**Minimum Control Measure #6: Section II.B:**

Part IV.B.6.b.1.v of the General Permit states to identify and report annually, as part of the annual report, known discharges causing scouring at outfall pipes or outfalls with excessive sedimentation. Include Outfall ID #, location, description of the problem, any remediation taken, and the ultimate receiving water body.

**Minimum Control Measure #6: Section II.C:**

As noted in Part IV.G.2.j of the General Permit, specify any planned municipal construction projects or opportunities to include water quality BMPs, low impact development, or seek to promote infiltration and recharge.

**Minimum Control Measure #6: Section II.D:**

Please include a summary of results of any other information that has been collected and analyzed. This includes any type of data, including, but not limited to, dry weather survey data (Part IV.G.2.e).

**TOTAL MAXIMUM DAILY LOAD (TMDL) or other Water Quality Determination REQUIREMENTS**

**Section I:**

Complete this section only if your MS4 is subject to an approved TMDL. TMDL requirements may require the implementation of the six minimum control measures to address the pollutants of concern, and/or additional structural stormwater controls or measures that are necessary to meet the provisions of the approved TMDL. Be sure to identify the approved TMDL and assess the progress towards meeting the requirements for the control of stormwater (Part IV.G.2.d).

Provide a progress report on the present status and discussion of activities that have been accomplished or will be carried out during the next reporting cycle to satisfy the requirements of the TMDL. If applicable, assess the appropriateness of the BMPs selected under each of the six minimum control measures to meet the requirements of the TMDL. In determining appropriateness, you may want to consider violations or environmental impacts eliminated or minimized.

Please include assessment parameters/indicators that will be used to measure the success of the selected BMPs.

**SPECIAL RESOURCE PROTECTION WATERS (SRPWs)**

**Section I:**

Complete this section only if your MS4, located outside Urbanized Areas or Densely Populated Areas, discharges to:

a SRPW as listed in Appendix D of the *RIDEM Water Quality Regulations* at this link:

<http://www.dem.ri.gov/pubs/regs/regs/water/h20q09a.pdf>

or

an impaired water body including water bodies with no approved TMDL as listed in Appendix G of the *2008 Integrated Water Quality Monitoring and Assessment Report* at this link:

<http://www.dem.ri.gov/programs/benviron/water/quality/pdf/iwqmon08.pdf>.

In accordance with Rule 31(a)(5)(i)G in the *Regulations for the Rhode Island Pollutant Discharge Elimination System* (RIPDES Regulations), MS4s were required to incorporate any discharges to these water bodies into their MS4 Program on or after March 10, 2008 unless a waiver has been granted in accordance with Rule 31(g)(5)(iii).

Provide a progress report on the present status and discussion of activities that have been accomplished or will be carried out during the next reporting cycle to incorporate these areas into the MS4's Phase II Stormwater Program.

---

## Attachment 1

### Public Notice



# THE CALL

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- Online at [www.woonsocketcall.com](http://www.woonsocketcall.com)
- E-mail [classified@woonsocketcall.com](mailto:classified@woonsocketcall.com)
- Call (401) 767-8503 Monday-Friday 8:30 a.m. - 5 p.m.
- Fax (401) 767-8509

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## Legals

### 100 Legals

**CITY OF WOONSOCKET**  
169 MAIN STREET  
WOONSOCKET, RI  
02895

A Draft Phase II Stormwater Annual Report, prepared in accordance with the Rhode Island Pollution Discharge Elimination System (RIPDES) program general permit for facilities operated by regulated small MS4s, will be available for review at the City of Woonsocket Engineering Division Office starting March 1, 2018.

RIPDES PERMIT  
NUMBER: RIR040016

For any questions contact:  
Michael Debroisse,  
Superintendent of Solid Waste/Engineering  
City of Woonsocket  
Engineering Division  
169 Main St.  
Woonsocket, RI 02895  
(401) 767-9213

The administrative record containing all documents is on file and may be inspected by appointment at the City's office mentioned above between 8:30 a.m. and 4:00 p.m. Monday through Friday except holidays. Interested parties may submit comments on the draft Annual Report and amendments to the SWMPP and the administrative record to the address above by the close of the public comment period which ends March 7, 2018. Commenter's may request a longer comment period if necessary to provide a reasonable opportunity to comply with these requirements. If, during the comment period, significant com-

### 100 Legals

ments are received concerning the draft Annual Report or amendments to the SWMPP, the City of Woonsocket will provide a written response to comments to all persons that submitted comments and all members of the public that request a copy of the response. The response will include a final Annual Report and identify what changes to the SWMPP have been made, if any.

**Woonsocket City Hall**  
169 Main Street  
Woonsocket, RI 02895

### LEGAL NOTICE INFORMATION

Legal Notices may be mailed to:

The Call,  
P.O. Box A  
Woonsocket, RI 02895  
Faxed to:  
(401) 767-8509  
or emailed to:  
[classified@woonsocketcall.com](mailto:classified@woonsocketcall.com)

Complete instructions should include:  
Publication dates,  
Billing information and the Name and Phone number of individual to contact if necessary.

### LEGAL NOTICES MUST BE RECEIVED 3 BUSINESS DAYS PRIOR TO PUBLICATION

For further information  
Call 767-8503  
Monday thru Friday:  
8:30 a.m. To 4:30 p.m.

### 105 Announcements

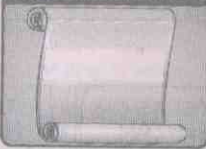
#### CREDIT FOR ERRORS

Each advertiser is asked to check his/her advertisement on the first day of publication and to report any error to the Call classified department (767-8503) as soon as possible for correction.

No adjustment will be given for typographical errors, which do not change the meaning or lessen the value of the advertisement.

Credit will be allowed only to that portion of the advertisement where the error occurred.

### Announcements



### 111 Special Notices

#### Notice To Our Readers

Companies that do business by phone can't ask you to pay for credit before you get it. For more information, call toll free 1-877-FTC-HELP. A public service message from The Call and the Federal Trade Commission.



### 123 Autos For Sale

2005 Buick Lesabre V6, well maintained, 75K miles, must see \$4500 obo. Call 401-545-6909

Ford 2005 Escape 4x4, V6, auto, equipped. Only \$2975. Call 1-508-336-6149

Jeep 2004 Grand Cherokee Laredo, 6 auto, fully equipped, inspected. Only \$2975. 1-508-336-6149

Mercury 2010 Grand Marquis LS sedan. Fully equipped, new tires, inspected. Only \$2995 Call 1-508-336-6149

### 126 Trucks

2016 Toyota Tacoma, Red, 4cyl. Pickup. Has extended cab. 2 wheel drive, 8K miles. Call for details. \$18,000. 568-1966

GMC 4WD 2002 Yukon XL 4x4. Fully equipped, leather interior. Only \$3975. Call 1-508-336-6149

### 204 General Help Wanted

#### NEW TODAY

Pawtucket 3-4BR/1BA Available April 1. No pets. \$987/month. First and security required. Subject to income verification, background and credit check. Open House Wed. March 7 from 10-2. Call to request an application. Disponible para 1ro de Abril. No mascotas. \$987/mensuales. Se requiere primer mes y depósito. Sujeto a verificación de ingreso, chequeo del record criminal y verificación de crédito. Habrá una casa abierta el Miércoles 7 de Marzo de 10-2. Llamar para adquirir una aplicación. 401-723-4520 x299. [www.bvcp.org](http://www.bvcp.org)

### Employment



### 204 General Help Wanted

Supply New England's Kohler Signature Store is looking for a qualified candidate to coordinate and make deliveries to high end, VIP retail consumers.

Job duties include but are not limited to:

- Assist with coordination of delivery address, time, & fulfillment
- Ensure accuracy of orders & proper loading of truck
- Assist warehouse with picking & staging of delivery orders
- Perform delivery duties with high level of professionalism -- "white glove service"
- Maintain superior cleanliness of interior & exterior of vehicle, along with daily vehicle maintenance

Candidate must possess:

- Excellent customer service & communication skills, able to multi-task in fast paced environment
- Be reliable, self-motivated & hard working
- Please bring copy of valid health card
- Excellent driving record (CDL not required) - please bring copy of driving record
- Experience in warehouse, forklift, RF gun, computer knowledge
- Heavy lifting up to 75lbs
- Pre-employment drug screening. Benefits and 401K available

Please send resume to Jennifer Tenore, Human Resources [jtenore@supplyne.com](mailto:jtenore@supplyne.com)

Job Type: Full-time Salary: \$16.00/hour

### Merchandise

#### 265 Furniture - Household

Beautiful curio cabinet. Must see. \$50 firm. Call 401-359-4309

#### 272 Machinery & Tools

Craftsman 12 gallon air compressor. In box, never used, with accessories Asking \$95.00. 401-766-0325

#### 273 Miscellaneous Merchandise

Bird cages, different sizes. \$10 - \$60. Call 401-356-4323 or 744-4105

### 273 Miscellaneous Merchandise

Harman Pellet stove. Runs great. \$250 or best offer. Call 401-766-0325

Table & chairs, metal frame, oak tabletop, cushion chairs. \$30 Call 401-356-4323 or 744-4105

#### 274 Musical Merchandise

33 LP records for sale. \$100 or best offer. Call 401-724-2790

Herman's Hermits tickets for an upcoming concert this year \$40. Excellent seats. 769-7164 from 12-4pm only, weekdays only. Leave message

32" flat screen color TV with remote. \$30 firm. Call 401-359-4309

#### 276 TV - Video - Stereo

55" flat screen color TV with remote. \$50 firm. Call 401-359-4309

### Real Estate-Rent

PAWTUCKET: Near center, laundry facilities, wall to wall carpets. \$100 & up 401-726-0995.

#### 301 Room - No Board

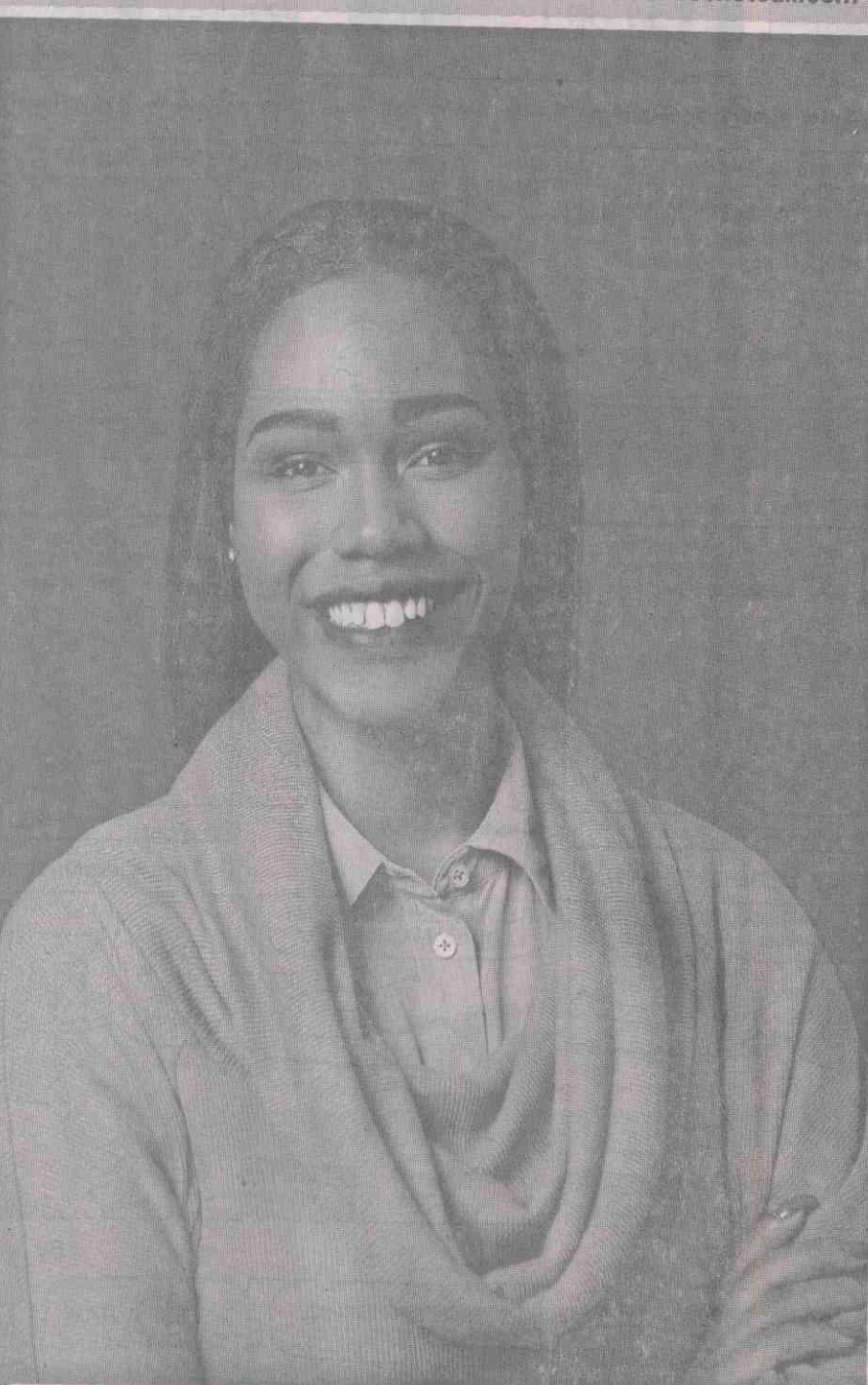
Woonsocket, single room, shared bath, no pets. \$100 security. \$135 + up. Call 401-696-0205.

#### 304 Apartments Unfurnished

Woonsocket, single room, shared bath, no pets. \$100 security. \$135 + up. Call 401-696-0205.

#### 305 Apartments Furnished

\$95/week & up. 1-2 room single occupancy. Safe, secure & clean. Laundry. Sober community. Utilities incl. Main St. Woonsocket 401-766-4931



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## Attachment 2

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### Detention Basin Maintenance Brochure



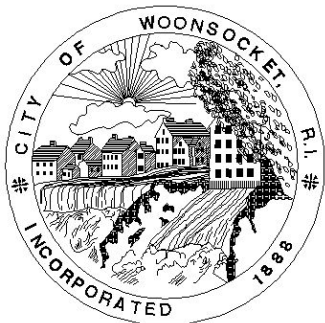
# Detention Basin Maintenance

Homeowners' Associations and Business

## Why be concerned?

Homeowners' Associations and business owners are entirely responsible for maintaining their detention basins. Detention basins require maintenance to ensure that they function properly. Poorly maintained basins, regardless of their design, lose their ability both to control flooding on private property and prevent pollution like sediments, fertilizers and pesticides from entering the creeks and streams near homes and businesses.

Detention basins are typically located where new residential, commercial, and industrial centers are developed. New development replaces open land and forest with impervious surfaces such as parking lots, roads, and roof tops. As stormwater runs off these impervious surfaces it enters streams and rivers at a much faster rate, causing streambank erosion and possible flooding downstream. Detention basins help control potential flooding and improve water quality.



## Are There Different Types of Detention Basins?

Yes, in general there are three types of detention basins:

- Dry Detention Basins
- Wet Detention Basins
- Stormwater Marsh Basins



Dry detention basins are typically dry depressions except after a major rain storm when they temporarily fill with stormwater. These basins slow the rate at which stormwater from a new development enters stream and rivers and thus help prevent flooding; however,

dry detention basins are not very effective at removing pollutants because the stormwater from smaller storms passes through more quickly. Smaller storms (with less rain) contain higher amounts of pollutants than larger storms. The side slopes of these basins are generally vegetated with short, turf grass.



Like dry detention basins, wet detention basins also help control flooding, but they are more effective at removing pollutants from stormwater. Wet detention basins typically have a permanent pool of water and more wetland plant life. The permanent pool

of water allows pollutants such as sediments to settle to the bottom of the basin. In addition, the wetland vegetation helps filter out pollutants and uses others up as fertilizers as the stormwater passes through the basin.

Stormwater marsh basins are similar to wet detention basins, but contain more wetland plants such as cattails, bulrush, and sedges. The wetland vegetation absorbs fertilizers that run off neighboring lawns and filters out other pollutants, which otherwise might enter nearby creeks and streams. They also provide fish and wildlife habitat.

The ideal detention basin provides the greatest number of benefits including flood control and water quality improvements. This typically consists of wet detention basin combined with a stormwater marsh basin.



# What Type of Maintenance is required?

Detention basins require inspection and maintenance to ensure that they are functioning properly to protect private property and improve water quality. At a minimum, the Homeowners' Association or business owner should conduct an annual inspection and an inspection after major storms.

## Obtain a Copy of Your Detention Basin Plan

Obtain a copy of the detention basin plan from the Engineering Division to determine what type of detention basin is in your development.

### Inspect Inlet and Outlet Pipes

Inlet Pipes direct stormwater from developments into detention basins, including stormwater from residential yards, driveways and roads. Typically there are two to three inlet pipes in a detention basin.

Outlet Pipes direct stormwater from a detention basin to a nearby creek or stream. Typically there is only one outlet associated with a basin. The outlet may consist of a single pipe, a riser pipe or structure.

Check the following:

Structural integrity – Inspect the pipe to make sure it isn't crumbling or broken.

Rip Rap – Rip Rap (typically pieces of stone) is placed around the pipe where it enters the basin to prevent erosion. Check for erosion around the pipe or missing rip rap.

Obstructions – Inspect the pipe end to determine if sediment, dirt, or debris is obstructing the flow of water from the pipe into the basin. Minor amounts of sediment around pipe openings can be removed with a shovel and wheelbarrow, spread evenly on upland areas and seeded with turf grass.



If any problems are occurring or if you have questions, contact the Engineering Division for assistance.

**(401) 767-9216**

## Inspect for Litter and Debris

Twice each year (spring and fall) and after a major storm, check for debris near the inlets and in the basin. Remove and dispose of debris or litter with household trash.



*Outlet Pipe choked with debris and trash*

## Examine the Side Slopes for Erosion

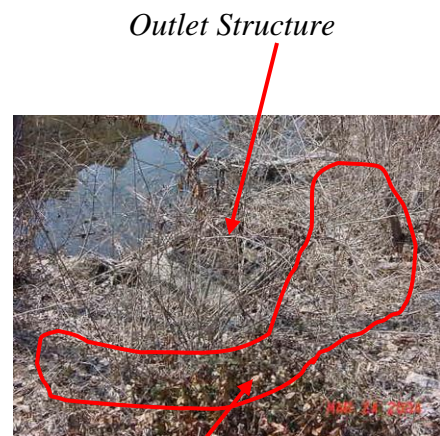
Twice a year (spring and fall) and after a major storm, check for gullies or sloughing of the banks and other disturbances for animals or vehicles. Any damage observed should be repaired immediately by filling any eroded areas with topsoil and seeding with turf grass. It is also important to place mulch or straw over the seed to prevent it from being washed into the basin.

## Inspect Vegetation

In the spring and fall, inspect the vegetation on the banks and in the basin. Maintenance activities will vary depending on the type of basin.

Repair bare spots, from vegetation control, along bank with turf grass seed, meadow grass or wildflowers.

Meadow grasses and wildflowers grown along banks of the detention basin will reduce long-term landscape maintenance.



*Thick vegetation*

## **Mowing**

The amount of mowing required depends on the type of detention basin and the desired appearance. Typically, basins with turf grass only need to be mowed once or twice a year. Basins with native grass or wildflowers should be mowed only once a year in late fall or early spring.



## **Adding Vegetation to the Banks**

You can add more color and visual interest, as well as improve bird habitat by planting a variety of shrubs and wildflowers along the banks of detention basins. Shrubs such as redosier dogwood, silky dogwood, meadowsweet, common elder, buttonbush and highbrush-cranberry typically grow well where the ground is damp. Wildflowers like swamp milkweed, joe-pye-weed, cardinal flower, beggartick, marsh blazing star, aster and goldenrod are good choices for damp areas.

## **Record Keeping**

Keep records of all inspections including date, name of inspector, what was observed, and maintenance activities performed.

Keep records of all cost for inspections, such as consulting with professional engineers, and repair cost. Good records will help you make adjustments to the maintenance program as needed



## Attachment 3

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### Earth Day Clean-up Advertisement

# 2017



**Date: Saturday April 15<sup>th</sup>**

**Location: Woodlawn Cemetery**

**(corner of Bernon Street and Manville Road)**

**Clean up: 9am to 1pm**

Connect with neighbors, fellow Woonsocket residents and the outdoors by joining us in a cleanup of Woodlawn Cemetery which is a wooded area along Bernon Street.

Gather your family and friends, and we provide gloves, trash pickers and bags!

For more information, contact Michael Debroisse at:

[mdebroisse@woonsocketri.org](mailto:mdebroisse@woonsocketri.org)

or

(401) 767-8880.

## Attachment 4

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### Blackstone River Grant Announcement



## PRESS RELEASE

**For Immediate Release**

**Contact: Peter Coffin  
508 753.6087**

[peter.coffin@zaptheblackstone.org](mailto:peter.coffin@zaptheblackstone.org)

### **Grant Funding Available for Water Quality Projects in Woonsocket**

The Woonsocket Thundermist Task Force is pleased to announce the availability of funding to support projects that will improve the management of stormwater on private and/or public property within the City of Woonsocket and ultimately lead to improvements in the water quality of the Blackstone River.

This is the sixth year that up to \$15,000 has been made available to support local projects in and around Woonsocket that will lead to a cleaner river. Thanks to a settlement with the State of Rhode Island, it is expected that another \$15,000 will be made available each year for the next 15 years. Potential projects include community education, planting rain gardens or buffer vegetation, erosion control or any creative ideas leading to improvements in water quality by improving the management of stormwater. Funded projects are expected to be completed within a year, although if indicated may be part of a multi-year project. Projects do not require a cash match, but competitive proposals will demonstrate community commitment by building partnerships and leveraging other funding or in-kind support.

The application process is as simple as writing a letter describing the project with a detailed budget identifying who will be doing what and explaining what water quality improvements will be achieved. Letters of interest must be received by July 1, 2016 and funding of successful projects will be available this summer.

Please address all letters to: Blackstone River Coalition  
P.O. Box 70477  
Worcester, MA 01607

If you have any questions, please e-mail or call Peter Coffin @ 508 753.6087.

The Blackstone River Coalition is a group of non-profit organizations from Rhode Island and Massachusetts working throughout the watershed to improve water quality through a variety of programs. Our office is located at Massachusetts Audubon Society's Broadmeadow Brook Sanctuary in Worcester. Our Rhode Island partners include: Blackstone River Watershed Council/ Friends of the Blackstone, Save the Bay, Audubon Society of R.I., and Conservation Law Foundation. Check out our website [www.zaptheblackstone.org](http://www.zaptheblackstone.org)

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**The Blackstone  
River Coalition**

The Blackstone River  
Coalition is a partnership  
of numerous organizations,  
businesses, municipalities,  
agencies and individuals  
working to restore the  
Blackstone River and to  
improve the health of the  
Blackstone River watershed.



















[www.zaptheblackstone.org](http://www.zaptheblackstone.org)

## Attachment 5

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### Construction Plan Review List



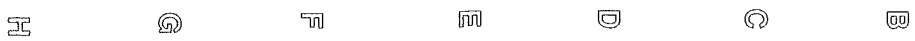
 <input checked="" type="checkbox"/> SUBMITTED BY	PLAN TITLE	LOCATION	SUBMITTED DA...	ACCE...	DESTINATION...
 <input checked="" type="checkbox"/> Marc Nyberg Associates	Site Plan	Map G3 Lot 11-247 Be...	Tue 12/5/2017	None	JP
 <input checked="" type="checkbox"/> Level Design Group	Plot Plan, Map G6, lot 45-10...	Danielle Drive	Tue 11/21/2017	Mon 12/...	Approved
 <input checked="" type="checkbox"/> Level Design Group	Plot Plan, Map G6, lot 45-10...	Danielle Drive	Tue 11/21/2017	Mon 12/...	Approved
 <input checked="" type="checkbox"/> Marc Nyberg Associate	Site Plan for Stanley Irza	Map E4, Lot 23-129-342...	Thu 11/9/2017	Wed 11/...	Approved
 <input type="checkbox"/>	New Dunkin Donuts Sout...		Thu 9/21/2017	None	
 <input type="checkbox"/> MJF Engineering Associates	Boundary Survey & Site P...	Map G5 Lot 33-32 Ga...	Wed 9/20/2017	None	MFD-SD
 <input checked="" type="checkbox"/> National Land Surveyors	Proposed Site Plan for Gerald...	Cottage St. Map F4, Lot...	Fri 8/4/2017	Tue 9/12...	Pending
 <input type="checkbox"/> DEtec	Preliminary Plan - Sapphir...	Diamond Hill Rd	Fri 7/14/2017	None	JP
 <input checked="" type="checkbox"/> MJF Engineering Associates	Site Plan Map 3C Lot 72-11	Map Es Lot 3-72 Ruby S...	Thu 7/6/2017	Tue 8/8/...	Pending
 <input checked="" type="checkbox"/> National Surveyors	Plot Plan for Addition	166 Gaskill St	Thu 3/30/2017	Fri 3/31/...	Approved
 <input type="checkbox"/> Marc Nyberg Associates	Site Plan	Map C5, Lot 37-17 Du...	Fri 3/24/2017	None	MFD
 <input type="checkbox"/> National Land Surveyors	Proposed Dominos	Map C4 Lot 22-51 Socia...	Fri 3/3/2017	None	Pending
 <input checked="" type="checkbox"/> National Land Surveyors	Site Plan for Ronald Lemieux	Map B8 Lot 60-2 Bound...	Fri 2/24/2017	Tue 5/23...	Approved
 <input type="checkbox"/> Civil CADD Services Inc	Proposed addition	Map F6 Lot 43-54 70 Fo...	Fri 1/20/2017	None	Pending
 <input type="checkbox"/> CDM Smith	Park Ave Water Main Impro...	Park Ave	Fri 1/20/2017	None	SES

## Attachment 6

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### Catchbasin Cleaning Map

1  
2  
3  
4  
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12



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- 12

SCALE 1 in. = 600 ft (182.88m)

[illegible]

## Attachment 7

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### BMP List

<u>LOCATION</u>	<u>OWNER</u>	<u>MAP</u>	<u>LOT</u>	
PARK EAST DR / CVS DRIVE	CITY OF WOONSOCKET	F7	56-15	Detention Pond
WALMART (woonsocket) (2 one in front one in back) 1919 Diamond Hill Rd	WALMART STORES PO BOX 967 MANDAN ND 58554	B7	52-6	Grassed Detention Basins
LOWES (Woonsocket) 2010 Diamond Hill Rd	FDP LLC. PO BOX 5651 BISMARCK ND 58506	B7	52-20	Grassed Detention Basin
BROOKHAVEN POND (2)	STERLING SERVICES 589 CONCORD ST HOLLISTON, MA 01746	C8	58-31	Grassed Detention Basin
TARA LANE/ LEDGEWOOD DR.	CITY OF WOONSOCKET	C7	58-37	Grassed Detention Basin
EAST WOONSOCKET	CITY OF WOONSOCKET	B7	57-88	Detention Pond
HOLLEY SPRINGS (POND) (Naturally occurring)	H S Realty Corporation 53 STATE ST. 38TH FL BOSTON MA 02109	D7	55-1	Detention Pond
HOLLEY SPRINGS (BASIN)	PAM DISALVO 304 HOLLEY LANE WOONSOCKET, RI 02895	D7	55-203	Grassed Detention Basin tele: 769-2900
OREGON AVE	CITY OF WOONSOCKET	D7	59-2	Grassed Detention Basin
DIAMOND HILL RD (Darling Pond)	CITY OF WOONSOCKET	B7	53-5	Detention Pond
ROBINSON STREET POTHIER SCHOOL	CITY OF WOONSOCKET	C5	36-136	Grassed Detention Basin
PARK DRIVE & HARTFORD AVE	OAKLAND GROVE ASSOCATES 560 CUMBERLAND HILL RD WOONSOCKET, RI 02895	E6	41-29	Grassed Detention Basin
1026 PARK EAST DRIVE	CVS Pharmacy Inc One CVS Dr. WOONSOCKET, RI 02895	D7	59-13	Grassed Detention Basin
300 PARK EAST DRIVE	TECHNIC, INC 300 PARK EAST DRIVE WOONSOCKET, RI 02895	E6	50-51	Grassed Detention Basin
500 PARK EAST DRIVE	CARPENTER POWDER PRODUCTS 500 PARK EAST DRIVE WOONSOCKET RI 02895-6148	E7	50-211	Grassed Detention Basin
1 CVS DRIVE	CVS 1 CVS DRIVE WOONSOCKET, RI 02895	F7	51-2	Grassed Detention Basin
811 PARK EAST DRIVE	811 PARK EAST DRIVE LLC 811 PARK EAST DRIVE	E7	56-6	Grassed Detention Basin

	WOONSOCKET, RI 02895			
475 PARK EAST DRIVE	CVS 1 CVS DRIVE WOONSOCKET, RI 02895	E7	56-23	Grassed Detention Basin
117 CENTURY	JM & KM REALTY LLC 1775 SNAKE HILL ROAD CHEPACHET, RI 02814	E7	59-21	Grassed Detention Basin
GAUTHIER DRIVE (2)	CITY OF WOONSOCKET	G5	33-54	Grassed Detention Basin
222 GOLDSTEIN DRIVE	IMPREGLOON INC 220 FAIRBURN INDUSTRIAL PARKWAY FAIRBURN, GA 30213 (also services 100 Goldstein Dr stormwater)	E7	50-233	Grassed Detention Basin
88 CENTURY DRIVE	CITY OF WOONSOCKET (by easement)  ACW REALTY LLC (property owner) 88 CENTURY DRIVE WOONSOCKET, RI 02895	E7	55-20	Grassed Detention Basin
88 CENTURY DRIVE	ACW INC. 88 CENTURY DRIVE WOOSOCKET RI 02895	E7	56-20	Grassed Detention Basin
841 PARK EAST DRIVE	T.E.A.M. 841 PARK EAST DRIVE WOONSOCKET, RI 02895	E7	56-101	Grassed Detention Basin
77 FULTON STREET	SOUTHWOOD REALTY LLC 325 AYER ROAD HARVARD, MA 01451	A5	35-36	Grassed Detention Basin
100 GOLDSTEIN DRIVE (3)	KEY/PARKINSON REALTY 100 GOLDSTEIN DRIVE WOONSOCKET RI 02895-6169	E6 & E7	50-5	Grassed Detention Basins
1044 MENDON ROAD	WYNDEMERE WOODS LLC 1044 MENDON ROAD WOONSOCKET RI 02895	D7	55-167	Grassed Detention Basin
115 FRONT STREET Behind 175 Front St	MCU COMMERCIAL SERVICES LLC 50 MAIN STREET MILLBURY, MA 01527	D3	15-16	Detention Basin
400 MENDON ROAD NORTH SMITHFIELD	LHOSPICE ST ANTONINE 400 MENDON ROAD NORTH SMITHFIELD, RI 02896-6999	D1	2-16	Grassed Detention Basin Mario at 767-3500 ext 110
1285 MENDON ROAD	DOLLAR GENERAL CORP STORE # 15533 P O BOX 182595 COLLUMBUS OH 43218	D6	49-395	Detention Basin
108 HIGH STREET	WOONSOCKET EDUCATION DEPARTMEN	B6	36-136	Detention Basin

## Attachment 8

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### Street Sweeping Tonnage Log

# 2017 Street Sweeping Monthly Tonage

JAN	0.00 TONS
FEB	59.42 TONS
MAR	44.01 TONS
APR	198.68 TONS
MAY	199.76 TONS
JUN	238.66 TONS
JUL	48.60 TONS
AUG	0.00 TONS
SEP	76.86 TONS
OCT	39.53 TONS
NOV	40.77 TONS
DEC	15.59 TONS
TOTAL	961.88 TONS



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## Attachment 9

### Structure Cleaning Log

**2017 STRUCTURES CLEANED BY DISTRICT**

DISTRICT	DMH	CB
A2	15	40
A3	35	52
A4	34	37
A5	28	78
A6	17	50
A7	35	67
A9	21	30
D8	13	35
F2	19	43
F3	38	69
F4	13	14
F5	31	72
F6	34	67
F7	18	82
G3	9	36
G4	0	2
G5	24	69
G6	18	57
G7	3	32
H5	11	35
H6	4	22