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Letter of Transmittal

To: Mr. Michael Debrouse
Superintendent of Solid Waste/Engineering
169 Main Smith Street
Woonsocket, RI 02895

Date: March 13, 2013

Project No: 2002381.B30 Task No.:

Re: RIPDES Year 9 Annual Report

Telephone No:

We are sending you: ☐ Attached ☐ Under Separate Cover ☒ via 1st Class Mail

☐ Shop Drawings ☐ Prints ☐ Plans ☐ Specifications
☐ Copy of Letter ☐ Change Order ☒ Reports ☐ Other

Copies	Date	No.	Description
1			Final RIPDES Small MS4 Annual Report - Year 9

☐ For approval ☐ Returned loaned prints ☐ Furnish as submitted
☐ As requested ☒ Return signed original ☐ Furnish as noted
☒ For your use ☐ For bids due ☐ Rejected
☐ For review & comment ☐ Submit _____ copies for distribution ☐ Resubmit _____ copies for approval

Mike:

Attached is the final Year 9 MS4 Phase II Annual Report. Please review it and if it meets your approval ask Mayor Fontaine to sign it. Please return the original signed copy to us and we will submit it to DEM and collect their received stamp. Once we have this, we will PDF the received-stamped page with the submitted report and send you a PDF copy for your records.

c: File

Signed:

M. James Riordan, AICP, LEED AP
Senior Project Manager



RHODE ISLAND DEPARTMENT OF
ENVIRONMENTAL MANAGEMENT
Office of Water Resources

DEM USE ONLY

Date Received _____

RIPDES SMALL MS4 ANNUAL REPORT

GENERAL INFORMATION PAGE

RIPDES PERMIT #RIR040 016 _____

REPORTING PERIOD: ☒ YEAR 9
Jan 2012-Dec 2012

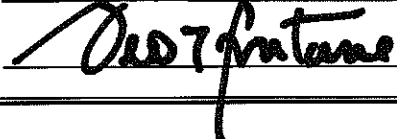
OPERATOR OF MS4

Name: CITY OF WOONSOCKET			
Mailing Address: 169 MAIN STREET			
City: WOONSOCKET	State: RI	Zip: 02895	Phone: (401) 767-9216
Contact Person: MIKE DEBROISSE	Title: SUPERINTENDENT – SOLID WASTE/ENGINEERING		
	Email: MDebrousse@woonsocketri.org		
Legal status (circle one): PRI - Private <u>PUB - Public</u> 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	Leo T. Fontaine
Print Title	City Mayor
Signature	
Date	3.29.13



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.)

IV.B.1.b.1 Provide a General Summary of activities implemented to educate your community on how to reduce storm water pollution. For TMDL affected areas, with storm water 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.

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 storm water website (http://www.ci.woonsocket.ri.us/stmr_wtr.htm) 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 school department incorporates environmental education into school curriculum. 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 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 storm water program. Describe partnerships with governmental and non-governmental agencies used to involve your community.

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 to distribute to businesses which describes proper maintenance of structural BMPs. 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.

Additional Measurable Goals and Activities: Please indicate if the following training sessions were attended and list the name(s) and municipal position of all staff who attended the training.

Attendance at the following trainings if applicable:

☐ A New Approach to Financing Stormwater Management: Stormwater Utility Districts. Workshop Part 3: Rhode Island Moves Forward (January 26, 2012)

Attending name of staff and title: _____

Attending name of staff and title: _____

☐ RI Residential Rain Garden Training (April 3, 2012)

Attending name of staff and title: _____

Attending name of staff and title: _____

☒ Small Scale Bioretention Installation Training (April 11-12, 2012)

Attending name of staff and title: Scott Sanford, CAD Engineer

Attending name of staff and title: _____

☐ Results of a Pilot Stormdrain Mapping Project in Johnston and Smithfield, RI and how your municipality can participate (November 20, 2012)

Attending name of staff and title: _____

Attending name of staff and title: _____

☐ Rhode Island Regulatory Setbacks and Buffers (November 29, 2012)

Attending name of staff and title: _____

Attending name of staff and title: _____

Other Trainings:

- Community Low Impact Development Stormwater Management (EPJ Training), March 21, 2012, Mike Debrousse, Superintendent of Solid Waste/Engineering
- Stormwater Solutions Webinar Series (Storm Water USA), April 24, 2012, Mike Debrousse, Superintendent of Solid Waste/Engineering
- Annual Hurricane Conference (which included discussions on stormwater), June 7, 2012, Mike Debrousse, Superintendent of Solid Waste/Engineering
- Low Impact Development and Basics of Bioretention (Storm Water USA), September 18, 2012, Mike Debrousse, Superintendent of Solid Waste/Engineering



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.)

IV.B.2.b.2.ii 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. An Earth Day cleanup event was held in Year 9 at multiple locations within the city. Sponsored by the Engineering Department and open to the general public (including advertisement in *The Woonsocket Call*), this successful event involved the collection of trash and debris at and around the Cass Park and Costa Park on Fairmount Street, and along the dead end of Progresso Av.

On March 20, 2011, a representative of the Blackstone Coalition participated in the Middle School Math and Science Night and has demonstration on storm water.

Also in 2011, a committee was established call the Woonsocket Stormwater Committee. The City has received monies through a Supplemental Environmental Project (SEP) award, which are planned to be used for storm water.

In previous years, civic groups have completed storm drain stenciling. The City has also purchased stencils so that employees on light duty can conduct stenciling on an as-available basis. This measure has been appropriate and effective. The Engineering Department is responsible for this measure.

Additional Measurable Goals and Activities

The City of Woonsocket Solid Waste Division 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.ci.woonsocket.ri.us/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

Date of Public Notice: February 27, 2013	How public was notified: <i>The Woonsocket Call</i> (newspaper)
Was public meeting held? YES <input type="radio"/> NO <input checked="" type="radio"/>	
Date:	Where:
Summary of public comments received: No comments have been received.	
Planned responses or changes to the program: Not Applicable.	



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.)

IV.B.3.b.1: Indicate if the outfall map was not completed, 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.)
Date of Completion: 2009

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.

IV.B.3.b.2 Indicate if your municipality chose to implement the tagging of outfalls activity under the IDDE minimum measure, activities and actions undertaken under the 2012 calendar year.

Outfalls were GPS located and tagging is not necessary.

IV.B.3.b.3 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.

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. 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 Indicate if the IDDE 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 2012, please indicate why changes were necessary.

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 have been made to date.

IV.B.3.b.5.ii, iii, iv, & v 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.

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 are 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 Year 9. The effectiveness of this measure is yet to be determined.

ILLCIT DISCHARGE DETECTION AND ELIMINATION cont'd

IV.B.3.b.5.vi	<p>Provide summary of implementation of catch basin and manhole inspections for illicit connections and non-storm water 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>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 Storm Water Committee, Engineering Department, and hired consultant were responsible for procedure development and the Engineering Department is responsible for inspections and recordkeeping.</p>
IV.B.3.b.5.vii	<p>If dry weather surveys including field screening for non-storm water 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. 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 <u>must</u> include a report of <u>all outfalls</u> and indicate the presence or absence of dry weather discharges. Date of Completion: 2007</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>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>
IV.B.3.b.8	<p>Provide a description of efforts and actions taken for the referral to RIDEM of non-storm water 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.</p>
	<p>Procedures for referral were developed during the SWMPP prior to Year 1, with the process being put in place during Year 3. During Year 9 there were no unauthorized non-storm-water discharges that were deemed appropriate for referral to RIDEM. Since no unauthorized non-storm-water 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.</p>
IV.B.3.b.9	<p>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-storm water 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.</p>
	<p>The City intends to continue to subscribe to the Storm Water Education and Outreach Program for this training (see responses to Minimum Control Measure #1).</p>

ILLCIT DISCHARGE DETECTION AND ELIMINATION cont'd

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 2012: 0	# of Illicit Discharges Tracked in 2012: 0
# of Illicit Discharges Eliminated in 2012: 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 2012: 0
Summary of Enforcement Actions:	
No enforcement actions were required in Year 9.	
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 STORM WATER 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.)

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
If the Ordinance was amended in 2012, 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.

IV.B.4.b.6 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. No comments were received in Year 9. In previous years, this measure has been 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 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 Storm Water 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 9. The Engineering Department is responsible for this goal.

Additional Measurable Goals and Activities

CONSTRUCTION SITE STORM WATER RUNOFF CONTROL cont'd

SECTION II. A - Plan and SWPPP Reviews during Year 9 (2012), 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 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 Reviews completed: 0

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.

The Engineering Department is responsible for this measure.

SECTION II.B - Erosion and Sediment Control Inspections during Year 9 (2012), 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 Site Inspections: 0

of Complaints Received: 0

of Violations Issued: 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.

No enforcement actions were taken in Year 9. 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 STORM WATER 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.)

IV.B.5.b.5	Describe activities and actions taken to coordinate with existing State programs requiring post-construction storm water management.
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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.ci.woonsocket.ri.us/stm_wtr.htm), 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 2010 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	Describe actions taken for the referral to RIDEM of new discharges of storm water 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 storm water discharges associated with industrial activity to ensure that facilities will obtain the proper permits).
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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 Year 9 and the effectiveness is yet to be determined. The Storm Water Committee, 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 <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. Date of Adoption: March 21, 2005 If the Ordinance was amended in 2012, 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.
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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.

IV.B.5.b.12	Describe activities and actions taken to identify existing storm water structural BMPs discharging to the MS4 with a goal of ensuring long term O&M of the BMPs.
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Existing BMPs have been identified, and new BMPs are added to the inventory as the City issues occupancy certificates. No new BMPs were identified in Year 9. This measure has been appropriate and effective. The Engineering Department is responsible for this measure.

POST CONSTRUCTION STORM WATER MANAGEMENT IN NEW DEVELOPMENT AND REDEVELOPMENT
cont'd

Additional Measurable Goals and Activities

SECTION II.A. - Plan and SWPPP Reviews during Year 9 (2012), Part IV.B.5.b.4: Review 100% of post-construction BMPs for the control of storm water 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 Reviews completed: 0

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

As no applicable construction projects were completed within the City in 2012, no such post-construction reviews were completed in Year 9. It is effective to review 100% of post-construction BMPs for the control of storm water runoff from new development and redevelopment projects. The Engineering Department is responsible for implementation of this requirement

SECTION II.B. - Post Construction Inspections during Year 9 (2012), 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 Site Inspections: 0

of Complaints Received: 0

of Violations Issued: 0

of Unresolved Violations Referred to RIDEM: 0

Summary of Enforcement Actions:

As no applicable construction projects were completed within the City in 2012, no such post-construction inspections were conducted in Year 9. No enforcement actions were required in Year 9.

SECTION II.C. - Post Construction Inspections during Year 9 (2012), 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: 0

of Complaints Received: 0

of Violations Issued: 0

of Unresolved Violations Referred to RIDEM: 0

POST CONSTRUCTION STORM WATER MANAGEMENT IN NEW DEVELOPMENT AND REDEVELOPMENT
cont'd

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.

It is effective to conduct post-construction inspections for proper operation and maintenance of structural BMPs. The Engineering Department is responsible for this measure.



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.)

IV.B.6.b.1.i	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.
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The DPW has identified structural BMPs and adds new BMPs when the City takes ownership. No new BMPs were transferred to or installed by the City in Year 9. A list of structural BMPs within the City limits and their respective owners is provided as an attachment to this Annual Report. (The list was created in 2010, but remains current for this year.) 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	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.
---------------	--

The City aims to inspect and maintain BMPs annually or more frequently if determined to be necessary. A list of BMPs inspected in Year 8 (one City-owned, one privately owned) is provided as an attachment to this Annual Report. (The list was created in 2010, but remains current for this year.) Due to turnover within the Public Works Department and a staff shortage in the Engineering Department (currently reduced to two staff members and without clerical/administrative support), employees were not able to inspect / clean all BMPs in Year 8. BMPs not owned by the City are inspected by the City. The City then sends a letter to BMP owner of record which identifies corrective actions needed. The City conducted maintenance on one City owned BMP in 2011. The City plans to continue BMP inspections in the upcoming year. Inspection and maintenance of the City's BMPs is appropriate and effective. The Engineering Department is responsible for inspections and maintenance.

IV.B.6.b.1.iii	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.
----------------	---

Total # of CBs within regulated area (including SRPW and TMDL areas): ~3,000

Total # of CBs inspected in 2012: 1,349

Total # of CBs cleaned in 2012: 1,349

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 catch basins inspected and cleaned is attached with this annual report. Due to turnover within the Public Works Department and a staff shortage in the Engineering Department (currently reduced to two staff members and without clerical/administrative support), employees were not able to inspect and clean all catch basins in Year 9 (approximately two thirds of the city area was inspected – see Map). Beginning in 2010, the Department of Public Works has been actively recruiting for an intern to assist with this and other tasks, but has thus far been unable to secure an individual for this position. A combined 2,159.44 tons of material was collected through the street sweeping and catch basin cleaning activities in Year 9. The Engineering Department is responsible for the completion of this goal.

IV.B.6.b.1.iv	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 requirement.
---------------	---

POLLUTION PREVENTION AND GOOD HOUSEKEEPING IN MUNICIPAL OPERATIONS cont'd

<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 Year 9. 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>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 Year 9. 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>
IV.B.6.b.1.vi	<p>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>Total roadway miles within regulated area (including SRPW and TMDL areas): <u>100.11</u></p> <p>Total roadway miles that were swept in 2012: <u>~120</u></p> <p>The City committed to the measurable goal of sweeping all municipal streets in the submitted SWMPP. Presently, all City streets are cleaned at least once a year based on the City's grid system (see attached map). Street sweeping is typically conducted at the same time catch basin cleaning and inspections occur. In Year 9, street sweeping occurred in late spring (April, May, June) and in late fall (October, November, December). All streets in the City were swept at least once, with the downtown area swept more frequently. A combined 2,159.44 tons of material was collected through the street sweeping and catch basin cleaning activities in Year 9 (see attached log). 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>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>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>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>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 Storm Water 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 storm water pollution prevention plan (SWPPP). There is one municipally owned industrial facility with a site specific SWPPP 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 Year 9, although minor preventative maintenance was performed.</p>
IV.B.6.b.6	<p>Describe all employee training programs used to prevent and reduce storm water pollution from activities such as park and open space maintenance, fleet and building maintenance, new construction and land disturbances, and storm water system maintenance for the past calendar year, including staff municipal participation in the URI NEMO storm water public education and outreach program and all in-house training conducted by municipality or other parties. Evaluate appropriateness and effectiveness of this requirement.</p>

POLLUTION PREVENTION AND GOOD HOUSEKEEPING IN MUNICIPAL OPERATIONS cont'd

<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. Additionally, the City is a member of the Rhode Island Public Works Association, which offers free training to DPW employees on various issues. The City plans to utilize this Association for training in future years as opportunities arise. It is appropriate and effective to train municipal employees. The DPW is responsible for this goal.</p>	
IV.B.6.b.7	<p>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>Additional Measurable Goals and Activities</p>	

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

BMP ID:	Location:	Name of BMP Owner/Operator:	Description of BMP:
See attached list			

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:
None identified				

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).

<p>The City anticipates that its upcoming road paving/reconstruction projects will incorporate BMPs to the best extent practicable, including storm water infiltration practices.</p>

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).

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

SECTION I. If you have been notified that discharges from your MS4 require non-structural or structural storm water 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 storm water identified in the approved TMDL (Part IV.G.2.d). Please indicate rationale for the activities chosen to address the pollutant of concern.

No waters in the City have approved TMDLs for storm water. A draft TMDL has been developed by DEM for the Blackstone River. Its approval is pending.



SPECIAL RESOURCE PROTECTION WATERS (SRPWs)

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 Storm Water Program to include the discharges to the aforementioned waters and adapting the Six Minimum Control Measures to include the control of storm water 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.

Three waterbodies in Woonsocket are designated as impaired waters in the DEM Final 2008 303(d) List of Impaired Waters: Mill River (RI0001003R-03), Peters River (RI0001003R-04), and the Blackstone River (RI0001003R-01A). None of these waterbodies currently have approved TMDLs; however, a draft TMDL has been developed by DEM for the Blackstone River. Its approval is pending. The City's SWMPP has and will continue to protect these resources to the best extent practicable through continued compliance with and further development of the six minimum control measures as described in this Annual Report.



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 storm water under the Rhode Island Pollutant Discharge Elimination System (RIPDES) Storm Water 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 10th 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 2012 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.

Describe whether each measurable goal was completed within the time proposed in the General Permit or your Storm Water Management Program Plan (SWMPP). 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 2012, number of illicit discharges tracked in 2012, number of illicit discharges eliminated in 2012, 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 2012. 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 reviews completed during Year 9 (2012) 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.

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 storm water 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 storm water (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.

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

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 Storm Water Program.

THE CALL *Classifieds*

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1-6



THE CALL

Still
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The Blackstone Valley's Neighborhood Newspaper

Wednesday, March 14, 2012

Sports

Three
cheers
for
Tolman



50¢

River grants to start flowing

By RUSS OLIVO

WOONSOCKET — You don't have to be a government agency, a nonprofit or any established organization at all in order to qualify for a shot at this little pot of gold.

All you need is a good idea that helps keep rainwater runoff from contributing to the pollution of the Blackstone River in the Woonsocket area.

Over the next 20 years, the Massachusetts-based Blackstone River Coalition will dole out some \$234,000 worth of grants for small-scale stormwater management projects. The clean-river advocacy group is taking applications now for the first award of \$40,000 later this summer.

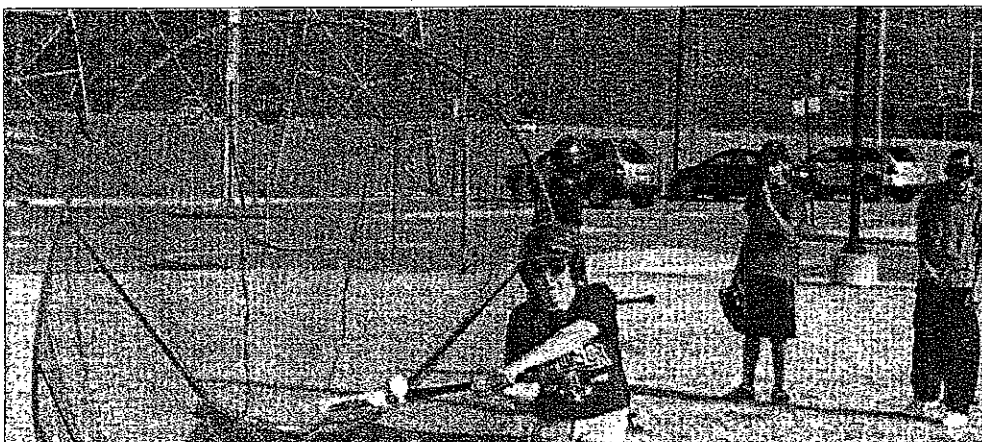
"These applications can come from anybody, that's the beauty of it," says BRC Coordinator Peter Coffin.

There's a long story, and some luck, involved in how the windfall became available, said Coffin. It all stems from a dispute between the city of Woonsocket and the state Department of Environmental Management over the operation of the Thundermist Hydroelectric Plant in Market Square that goes back years.

Though hydroelectric power is regarded as a type of green energy

DEM once proposed levying a fine against the city for operating it because the turbine was churning up too much sediment from the river-bottom, damaging the ecosystem for fish and other creatures. For a time, DEM held the damages in abeyance because the city ceased operating the facility for various reasons, including physical damage to the plant and the fact that it wasn't profitable.

See GRANTS, Page A-2



Patient attacks doc at Landmark

By RUSS OLIVO

WOONSOCKET — A physician and an orderly at Landmark Medical Center were attacked by a patient who burst into a violent rage as emergency room personnel were attempting to place him in restraints Saturday, police said.

Barred Raymond 19 was

Grants

Continued from Page A-1

When the plant began operating again, under lease to a private contractor, DEM wanted to resurrect the penalties against the city of Woonsocket. As part of a negotiated settlement with the city, DEM agreed to allow the city to establish

various river-improvement projects as an alternative to monetary fines, according to Michael Debrouse, the city's solid waste coordinator.

Coffin, a part-time park ranger for the Blackstone River Valley National Heritage Corridor, heard about the arrangement from

his boss, Corridor Director Jan Reitsma. Coffin began lobbying to set up what is known as supplemental environmental program, or SEP, that would satisfy the city and DEM.

After some four years, says Coffin, the SEP is ready to roll out river-improvement grants. After this year's initial allotment, future grants will be available in the amount of \$16,000 a year for the next 19 years.

A longtime advocate for cleaning up the Blackstone, Coffin says the funding is an

exciting opportunity to lift the profile of the river and its central role as a driver of recreation- and tourism-based economic development in the area.

There is no requirement that the projects up for consideration be sophisticated marvels of engineering or technical savvy. They can be arts-based, educational, or they can be small-scale demonstrations for reducing stormwater runoff that an amateur landscaper can pull off, such as planting a rain garden, buffer vegetation or a simple erosion control project.

"This is a great opportunity to create some buzz about the value of the Blackstone River and what it can mean for economic development and recreation," says Coffin. "People have to be able to see the river as a resource

before they care about it."

A new group called the Woonsocket Stormwater Task Force has been created to field and evaluate the applications. The group includes Coffin and one member each from the Audubon Society, the Blackstone River Watershed Council/Friends of the Blackstone, and the city of Woonsocket.

The group's powers are purely advisory, however. DEM will make the final decision on whether to choose projects recommended by the task force, said Alice Clemente, the Blackstone River Watershed Council's representative on the task force.

"We have nothing specific in mind," says Clemente. "We want to see what people can come up with."

Unlike many grants,

which typically government watershed money will financial m recipient.

But Coffin are best advantage a high munity cor leveraging fu services for other agencies

All it takes write a letter project, with et that ident puts it, "what and e water quality will be achieve interest are di should be Blackstone f PO Box 70 Ma., 01607. be referred to 753-6087.

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USPS 691-160
Published daily by

Lottery Numbers

RHODE ISLAND
Last night's number -
2-1-3-2
Wild Money -
5-11-13-21-25 Ex. 8
MegaMillions Megaplier
Tomorrow's edition

MASSACHUSETTS
Mid-day number -
9-9-8-9
Last night's number -
0-2-5-6

Attack

Continued from Page A-1

But after his violent outburst an emergency room nurse told police that Raymond had told her he had lied about being suicidal so he wouldn't have to go to the

police station.

She also said the laceration did not require medical treatment, prompting the hospital to discharge him to the custody of police.

Raymond personal record his arraignment Court on Monday back in court hearing on Monday

JOIN US AT LINDY'S TAVERN
HOURS: Mon. thru Sat. 11am to 1am - Sun. Noon to 1am

St. Patrick's Day at Lindy's!
Corned Beef and Cabbage
Dinner and Sandwiches
Green Beer! Drink Specials!
LIVE MUSIC

**LIVE ENTERTAINMENT
EVERY FRIDAY & SATURDAY NIGHT!**

**THURSDAY - ALL DAY
PRIME RIB DINNER - \$11.99!** DINE IN ONLY
Selected 1/2 Price Appetizers

Fundraiser schedule for city cancer

WOONSOCKET - The Harpin family, including Gladys and her daughter Ashley, are spearheading a fundraising effort for cancer victim Tony Anne Southwick, a city woman suffering from late-stage breast cancer.

donations in Anne South Fund. Donna made in person any Dean Bradley Gladys has been her best friend for years and is in chemotherapy

Project Budget

“Rain, Drains and Water Chains for Improved Stormwater Management and Behaviors in the City of Woonsocket”

Project Coordinator (BRWC/FOB)

Hourly Wage 520 hrs @ \$20/hour **\$10,400.00**
(10 hrs/week for 52 weeks – includes hours related to curriculum development, facilitation of rain garden and freedom lawn projects, ancillary support for gutter extension and rain barrel projects)

Scientist in Residence Consultation (RiverzEdge)

Hourly Wage 120 hrs @ \$20/hour **\$2,400**
(10 hrs/month for 12 months – includes hours related to curriculum development, field research, teaching model fabrication and various density, macroinvertebrate and water quality experiments)

Project Materials, Design and Fabrication (BRWC/FOB, RiverzEdge, NeighborWorks)

Rain Gardens 4 @ \$1000 ea. **\$4000.00**
(Soil, plants, stone, signs, displays, etc.)

Freedom Lawns 2 @ \$1,500 ea. **\$3000.00**
(Contracted service to rip asphalt, soil & seed)

Rain Barrells 10 @ \$80.00 ea. **\$800.00**

Drain Stencils **\$400**
(Green City Team Incentives and Supplies)

Gutter and Chain Fabrication & Materials **\$2,000**

Stormwater Exhibitions, Forums, Events & Education Materials **\$3,500**
(Includes, but not limited to large sale printing and copying, learning supplies, groundwater and watershed models, living filtration system, curriculum materials and experiment supplies)

Publicity (RiverzEdge) **\$850**
Postcards, mailings, media campaigns

Field Trips and Field Research (NeighborWorks, RiverzEdge) **\$750**
Includes, but not limited to bike rentals, field trips to institutions such as the Worcester My City! Tours, Slater Mill, USS Constitution Museum, etc. Also includes expenses for field research on the river

Blog (RiverzEdge) **\$1,500**

Volunteer Support (BRWC/FOB, NeighborWorks, RiverzEdge) **\$400**

TOTAL \$30,000

Sources of In-Kind Support

Project Oversight and Management

\$8,367

2 Directors x 16 hrs/month @ \$21.79* x 12

*Industry standard per RI DEM (2011)

Learning Hub Sites and Overhead x 3

\$18,000 est.

Partner and sponsor donations and in-kind support

\$6,000 est.

Applicant Organization

The Blackstone River Watershed Association's (BRWA) mission is to engage, educate and advocate to improve water quality in the Blackstone River Watershed. The non-profit organization has played an active role in the protection of the Blackstone and its tributaries since 1976. The BRWA engages the public through outreach aimed at promoting action to protect local waterways and by providing volunteer and recreational opportunities connecting people to their watershed. They also educate the public both in the schools and at special events with subjects like "The Watershed and Us", the impact of land-based activities on waterways, threats and management of aquatic invasive plants and a variety of other environmental topics. The BRWA participates in the Blackstone River Coalition (BRC) Watershed-wide Volunteer Water Quality Monitoring Project collecting and analyzing water samples at 28 sites. The NIP-No Invasive Plants program provides outreach, training, and "Pull the Plant Parties" and facilitates large scale removal of invasive aquatic plants. They also conduct shoreline surveys to evaluate conditions along targeted waterways. The BRWA welcomes opportunities to advance their mission through partnership and collaboration with other environmentally focused organizations working in the Blackstone Valley. BRWA is a 501(c)(3) non-profit organization.

Project Description

Harris Pond is an impoundment on the Mill River in Blackstone Massachusetts (Map 1) that results from a dam located south of the proposed project site in Woonsocket, Rhode Island. The pond is a secondary water supply source for the City of Woonsocket. Wells for the Town of Blackstone are also located nearby. The site was listed as a High Priority Wetland Restoration Site by the U.S. Army Corps of Engineers as part of their Blackstone River Watershed Restoration Study released in 2007. The Southern New England Trunk Trail (SNETT), a former rail bed, crosses the pond and the southern extent of the proposed project site.

The primary impairment on the project site is siltation and erosion. The nutrient content of the runoff needs to be evaluated. These conditions threaten the water quality of the river and pond, put the public water supply at risk, reduce the potential for recreational use of the area and impede the reestablishment of natural habitat. The conditions result from the historic use of the site and from a lack of adequate stormwater management practices.

The land adjacent to the pond formerly contained a sand and gravel operation. More recently, residential construction has taken place on the site but the developer has transferred land between the development and the stream/pond to the Town of Blackstone (Map 2). An easement owned by the City of Woonsocket runs through the site. The area containing the streambank is under private ownership (private_1 on Map 2). Preliminary conversation with the landowner met with enthusiastic support for restoration on the site. The Town of Blackstone has supplied a letter of support for the project (attached).

Harris Pond Stream Bank Restoration and Stormwater Management

The BRWA proposes to conduct a preliminary survey for a project to improve the management of stormwater on the site adjacent to the Mill River and Harris Pond in Blackstone, MA. The primary project goal is to improve the water quality of the river and pond and protect the public water supply by:

- providing a riparian buffer strip to intercept and filter sediment, nutrients and pollutants and to enhance habitat for terrestrial and aquatic wildlife,
- stabilizing the streambank to prevent erosion and damage to the buffer using natural techniques, materials and vegetation as much as possible,
- managing stormwater runoff and erosion through Best Management Practices (BMPs) or by minor physical alteration of the site,
- enhancing the recreational value of the site by providing trails linking to existing features such as the SNETT (MA DCR) and Valati Park (Town of Blackstone) and by integrating the project into plans by the town to develop the site for recreational use.

In addition to the protection, restoration and recreation goals, there is also the potential for inclusion of educational components in the project such as self-guided trails, outdoor classrooms, etc.

This proposal is for the initial phase of the project; a preliminary survey to investigate the feasibility and quantify the benefits of the project, to develop a preliminary design and maintenance plan and to provide a cost estimate to facilitate future funding.

The objectives of the preliminary survey are to:

- identify restoration priorities on the site,
- map proposed new or restored riparian buffer zones and suggested planting,
- determine the extent of eutrophication, invasive plant growth and other stream/pond impairments
- perform a preliminary assessment of soil characteristics for drainage and suitability for planting buffer vegetation,
- Research and verify level of site contamination, if any,
- Identify opportunities/need for stormwater BMPs,
- specify design constraints based on city, town and other pertinent regulatory agency requirements,
- Produce a preliminary cost estimate for the design phase of the project to guide future funding efforts

To achieve these objectives the BRWA will procure the services of a certified environmental consultant capable of performing the required assessments and additional expert services as needed. The BRWA will coordinate the project, obtain the necessary approval of the landowners, make design decisions in collaboration with their partners, and assemble the deliverables required for the next phase.

Harris Pond Stream Bank Restoration and Stormwater Management

Cost

Project Coordination	\$800
Environmental Consulting Services	\$5750
Materials	\$50

Total	\$6600

Project Partners

Three partners are critical to the project, the City of Woonsocket, the Town of Blackstone, and the private owner of the streambank area. Other important partners are MA DCR, responsible for the SNETT and organizations with interest in the SNETT and adjacent recreational opportunities. As the project progresses, the BRWA will seek additional partners to provide a pool of volunteers to assist with the restoration and better connect the project with the community.

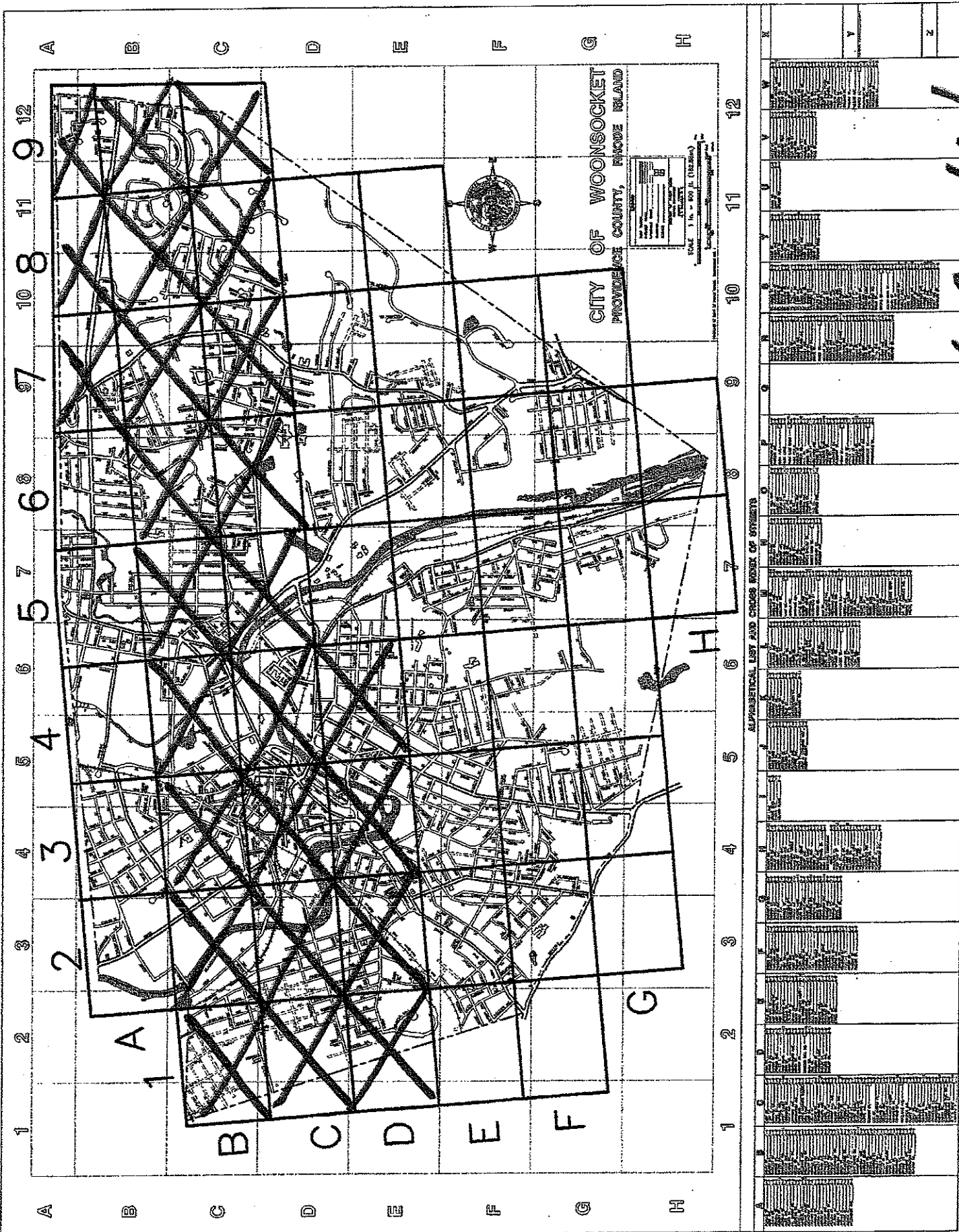
Summation

The BRWA believes that the restoration of this site will provide long ranging benefits including improved water quality and habitat in and along the Mill River and Harris Pond, increased protection for the City of Woonsocket public water supply, and enhanced passive recreation for residents of and visitors to the Town of Blackstone. This preliminary study is the first positive step toward reclaiming this degraded site and securing these benefits into the future.

Attachments

1. Map 1 – Map showing the location of the proposed project site.
2. Map 2 – Town assessor's map with orthophoto and parcel boundaries.
3. Letter of Support from the Town of Blackstone Conservation Commission

2012 Storm Drain Cleaning



X = Completed

ALT. CVR. Screened Street Sweepings

Month	Total
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January	426.48
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February	
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March	71.13
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April	164.12
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May	698.79
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June	164.67
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July	145.02
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August	118.96
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September	108.91
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October	180.71
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November	55.35
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December	75.30
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2159.44 Total Year	
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2010 BMP LIST

CITY OF WOONSOCKET	DEPARTMENT OF PUBLIC WORKS	ENGINEERING DIVISION	
<u>LOCATION</u>	<u>OWNER</u>	<u>MAP</u>	<u>LOT</u>
PARK EAST DR / CVS DRIVE	CITY OF WOONSOCKET	F7	56-15
WALMART (woonsocket) (2 one in front one in back)	WALMART STORES 702 SOUTHWEST 8TH STREET BENTONVILLE AR 72716	B7	52-6
LOWES (Woonsocket)	SFFGA Rhode Island LLC PO Box 1000 Dept 2ETA Mooresville NC, 28115	B7	52-20
BROOKHEAVEN POND (2)	Advanced Condo Management Corporation 40 Mechanic Street Suite 301 Foxboro MA, 02035	C8	58-31
TARA LANE/ LEDGEWOOD DR.	CITY OF WOONSOCKET	C7	58-37
EAST WOONSOCKET	CITY OF WOONSOCKET	B7	57-88
HOLLY SPRINGS (POND) (Naturally acuring)	H S Realty Corporation PO BOX 3107 South Attleboro, MA 02703	D7	55-1
HOLLY SPRINGS (BASIN)	WILFRED DESROSIERS 306 HOLLY LANE WOONSOCKET, RI 02895	D7	55-203
OREGON AVE	CITY OF WOONSOCKET	D7	59-2
DIAMONDHILL RD (Darling Pond)	CITY OF WOONSOCKET	B7	53-5
ROBINSON STREET POTHIER SCHOOL	CITY OF WOONSOCKET	C5	36-136
PARK DRIVE & HARTFORD AVE	OAKLAND GROVE ASSOCIATES 560 CUMBERLAND HILL RD WOONSOCKET, RI 02895	E6	41-29
1026 PARK EAST DRIVE	CVS Pharmacy Inc One CVS Dr. WOONSOCKET, RI 02895	D7	59-13
360 PARK EAST DRIVE	TECHNIC, INC 300 PARK EAST DRIVE WOONSOCKET, RI 02895	E6	50-51
500 PARK EAST DRIVE	RI INDUSTRIAL FACILITIES CORP 500 PARK EAST DRIVE WOONSOCKET, RI	E7	50-211
1 CVS DRIVE	CVS	F7	51-2

2010 BMP LIST

	1 CVS DRIVE WOONSOCKET, RI 02895		
811 PARK EAST DRIVE	RETAIL GRAPHICS 811 PARK EAST DRIVE WOONSOCKET, RI 02895	E7	56-6
475 PARK EAST DRIVE	CVS 1 CVS DRIVE WOONSOCKET, RI 02895	E7	56-23
117 CENTURY	JM & KM REALTY LLC 1775 SNAKE HILL ROAD CHEPACHET, RI 02814	E7	59-21
GAUTHIER DRIVE (2)	CITY OF WOONSOCKET	G5	33-54
222 GOLDSTEIN DRIVE	IMPREGLOIN INC 220 FAIRBURN INDUSTRIAL PARKWAY FAIRBURN, GA 30213 (also services 100 Goldstein Dr stormwater)	E7	50-233
88 CENTURY DRIVE	CITY OF WOONSOCKET (by easement) ACW REALTY LLC (property owner) 88 CENTURY DRIVE WOONSOCKET, RI 02895	E7	55-20

