

**STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS
PUBLIC UTILITIES COMMISSION**

**In re: City of Woonsocket Water Division
- Application to Implement Multi-
Year Rate Plan**

Docket No. 4879

**CITY OF WOONSOCKET WATER DIVISION'S
("WWD") RESPONSE TO THE COMMISSION'S FIRST
SET OF DATA REQUESTS
(Issued November 5, 2018)**

1-1:	Please provide a copy of the CDM report referred to in Jonathan Pratt's direct testimony on Page 3.
WWD Response 1-1:	Please see Exhibit 1-1 .
Respondent:	Jon Pratt
Date:	November 30, 2018

**STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS
PUBLIC UTILITIES COMMISSION**

**In re: City of Woonsocket Water Division
- Application to Implement Multi-
Year Rate Plan**

Docket No. 4879

**CITY OF WOONSOCKET WATER DIVISION'S
("WWD") RESPONSE TO THE COMMISSION'S FIRST
SET OF DATA REQUESTS
(Issued November 5, 2018)**

1-2:	Please provide the "Water Distribution System Evaluation" plan prepared by CDM in November of 2007 and any updates to said plan.
WWD Response 1-2:	Please see Exhibit 1-2 (Confidential) . The Water Distribution System Evaluation Plan has been updated by the IFR Plan, which was attached to the WWD's Response to the Division of Public Utilities and Carrier's ("Division's") Data Request, No. 1-3.
Respondent:	Robert Otoski, P.E.
Date:	November 30, 2018

**STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS
PUBLIC UTILITIES COMMISSION**

**In re: City of Woonsocket Water Division
- Application to Implement Multi-
Year Rate Plan**

Docket No. 4879

**CITY OF WOONSOCKET WATER DIVISION'S
("WWD") RESPONSE TO THE COMMISSION'S FIRST
SET OF DATA REQUESTS
(Issued November 5, 2018)**

1-3:	Please provide the quarterly reports for each restricted account for October 17-December 17, January 18-March 18, July 18 – Sept 18 and the semi-annual report dated December 31, 2017.
WWD Response 1-3:	The quarterly reports for each restricted account for October 17-December 17 & January 18-March 18 and the semi-annual report dated December 31, 2017 have previously been filed; however, a copy has been attached to this response as Exhibit 1-3 . The quarterly report for each restricted account for July 18 – Sept 18 has not been previously filed and has also been attached to this response as Exhibit 1-3 .
Respondent:	David Bebyn, CPA
Date:	November 30, 2018

**STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS
PUBLIC UTILITIES COMMISSION**

**In re: City of Woonsocket Water Division
- Application to Implement Multi-
Year Rate Plan**

Docket No. 4879

**CITY OF WOONSOCKET WATER DIVISION'S
("WWD") RESPONSE TO THE COMMISSION'S FIRST
SET OF DATA REQUESTS
(Issued November 5, 2018)**

1-4:	Please provide copies of the most recent three years of property tax bills for each of the six cities/towns where WWD pays taxes.
WWD Response 1-4:	Please see Exhibit 1-4 .
Respondent:	David Bebyn, CPA
Date:	November 30, 2018

**STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS
PUBLIC UTILITIES COMMISSION**

**In re: City of Woonsocket Water Division
- Application to Implement Multi-
Year Rate Plan**

Docket No. 4879

**CITY OF WOONSOCKET WATER DIVISION'S
("WWD") RESPONSE TO THE COMMISSION'S FIRST
SET OF DATA REQUESTS
(Issued November 5, 2018)**

1-5:	Please provide a copy of the Trust Indenture.
WWD Response 1-5:	Please see Exhibit 1-5 .
Respondent:	David Bebyn, CPA Maureen Gurghigian
Date:	November 30, 2018

**STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS
PUBLIC UTILITIES COMMISSION**

**In re: City of Woonsocket Water Division
- Application to Implement Multi-
Year Rate Plan**

Docket No. 4879

**CITY OF WOONSOCKET WATER DIVISION'S
("WWD") RESPONSE TO THE COMMISSION'S FIRST
SET OF DATA REQUESTS
(Issued November 5, 2018)**

1-6:	Please provide the most recent three years of insurance bills for each of the six insurances listed on Schedule DGB-RY-8.
WWD Response 1-6:	Please see Exhibit 1-6 .
Respondent:	David Bebyn, CPA
Date:	November 30, 2018

**STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS
PUBLIC UTILITIES COMMISSION**

**In re: City of Woonsocket Water Division
- Application to Implement Multi-
Year Rate Plan**

Docket No. 4879

**CITY OF WOONSOCKET WATER DIVISION'S
("WWD") RESPONSE TO THE COMMISSION'S FIRST
SET OF DATA REQUESTS
(Issued November 5, 2018)**

1-7:	Please provide a copy of the 2008 Consent Agreement entered into with RIDEM, including all updates and modification to said agreement.
WWD Response 1-7:	Please see Exhibit 1-7 .
Respondent:	Jon Pratt
Date:	November 30, 2018

**STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS
PUBLIC UTILITIES COMMISSION**

**In re: City of Woonsocket Water Division
- Application to Implement Multi-
Year Rate Plan**

Docket No. 4879

**CITY OF WOONSOCKET WATER DIVISION'S
("WWD") RESPONSE TO THE COMMISSION'S FIRST
SET OF DATA REQUESTS
(Issued November 5, 2018)**

1-8:	Please provide documentation showing the inability to meet water quality and water volume standards, including any violations issued and remedies made by the WWD.
WWD Response 1-8:	WWD has not been issued a violation and has not had an issue meeting the water quality and water volume standards. Attached as Exhibit 1-8 is the water quality report for WWD.
Respondent:	Jon Pratt
Date:	November 30, 2018

**STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS
PUBLIC UTILITIES COMMISSION**

**In re: City of Woonsocket Water Division
- Application to Implement Multi-
Year Rate Plan**

Docket No. 4879

**CITY OF WOONSOCKET WATER DIVISION'S
("WWD") RESPONSE TO THE COMMISSION'S FIRST
SET OF DATA REQUESTS
(Issued November 5, 2018)**

1-9:	Please identify the other communities that WWD has agreed to sell water to and the amounts needed, gallons per day, when the new facility is built.
WWD Response 1-9:	There are no additional agreements to sell water to other communities once the new facility is built.
Respondent:	Jon Pratt
Date:	November 30, 2018

**STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS
PUBLIC UTILITIES COMMISSION**

**In re: City of Woonsocket Water Division
- Application to Implement Multi-
Year Rate Plan**

Docket No. 4879

**CITY OF WOONSOCKET WATER DIVISION'S
("WWD") RESPONSE TO THE COMMISSION'S FIRST
SET OF DATA REQUESTS
(Issued November 5, 2018)**

1-10:	Please provide the construction/build order of magnitude for the new treatment facility.
WWD Response 1-10:	Please see the contract attached to the WWD's Response to the Division's Data Request, No. 1-2.
Respondent:	Robert Otoski, P.E.
Date:	November 30, 2018

**STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS
PUBLIC UTILITIES COMMISSION**

**In re: City of Woonsocket Water Division
- Application to Implement Multi-
Year Rate Plan**

Docket No. 4879

**CITY OF WOONSOCKET WATER DIVISION'S
("WWD") RESPONSE TO THE COMMISSION'S FIRST
SET OF DATA REQUESTS
(Issued November 5, 2018)**

1-11:	With regard to Schedule WEE-4, Labor Expense Summary, for each position listed, please indicate the percentage of time each position spends on water department work and indicate the percentage spent elsewhere, listing each department's allocation of time.
WWD Response 1-11:	All positions except for the public works director and public works administrative clerk are allocated 100% to water and those positions do not spend any other time servicing other City departments. As for the public works director and public works administrative clerk, the costs listed on WEE-4 represent only the costs allocated to the water department. Regarding the allocation for the public works director, 20% of his time is allocated to the water department. Regarding the allocation for the public works administrative clerk, 10% of her time is allocated to the water department.
Respondent:	David Bebyn, CPA
Date:	November 30, 2018

**STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS
PUBLIC UTILITIES COMMISSION**

**In re: City of Woonsocket Water Division
- Application to Implement Multi-
Year Rate Plan**

Docket No. 4879

**CITY OF WOONSOCKET WATER DIVISION'S
("WWD") RESPONSE TO THE COMMISSION'S FIRST
SET OF DATA REQUESTS
(Issued November 5, 2018)**

1-12:	Light & power – Please update schedule RY-6 to reflect the actual increase in National Grid expense in the rate year.
WWD Response 1-12:	Please see Exhibit 1-12 .
Respondent:	David Bebyn, CPA
Date:	November 30, 2018

**STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS
PUBLIC UTILITIES COMMISSION**

**In re: City of Woonsocket Water Division
- Application to Implement Multi-
Year Rate Plan**

Docket No. 4879

**CITY OF WOONSOCKET WATER DIVISION'S
("WWD") RESPONSE TO THE COMMISSION'S FIRST
SET OF DATA REQUESTS
(Issued November 5, 2018)**

1-13:	What are the current medical co-share amounts paid by each employee of WWD. Please list medical, dental and life separately. Is the \$3,000/annual medical waiver still appropriate? Why or why not?
WWD Response 1-13:	Please see Exhibit 1-13 . Regarding the medical waiver, WWD believes it is still appropriate given the savings WWD realized when employees opt-out of the medical plan provided by the City.
Respondent:	David Bebyn, CPA
Date:	November 30, 2018

**STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS
PUBLIC UTILITIES COMMISSION**

**In re: City of Woonsocket Water Division
- Application to Implement Multi-
Year Rate Plan**

Docket No. 4879

**CITY OF WOONSOCKET WATER DIVISION'S
("WWD") RESPONSE TO THE COMMISSION'S FIRST
SET OF DATA REQUESTS
(Issued November 5, 2018)**

1-14:	Restricted accounts – With regard to the Chemical account, please describe the contributing factors that led to the underfunding in FY2012 and partial year FY2018. Please provide the current balance in the account, along with a copy of the most recent bank statements.
WWD Response 1-14:	The underfunding that occurred during FY 2012 was the result of WWD only transferring funds as needed to cover expenses instead of the budgeted amounts. The FY 2018 is the opposite of the FY 2012 issue. The partial year FY 2018 only presents the half-year budget amount. Please see Exhibit 1-14 for copy of most recent bank statement. Regarding the current balance with the required transfer as presented on RY-9a, the balance at September 2018 should be \$248,130.
Respondent:	David Bebyn, CPA
Date:	November 30, 2018

**STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS
PUBLIC UTILITIES COMMISSION**

**In re: City of Woonsocket Water Division
- Application to Implement Multi-
Year Rate Plan**

Docket No. 4879

**CITY OF WOONSOCKET WATER DIVISION'S
("WWD") RESPONSE TO THE COMMISSION'S FIRST
SET OF DATA REQUESTS
(Issued November 5, 2018)**

1-15:	Please provide current cash balances in all restricted accounts.
WWD Response 1-15:	Please see the July 18 – Sept 18 quarterly report attached to the above WWD Response to the PUC's Data Request, No. 1-3.
Respondent:	David Bebyn, CPA
Date:	November 30, 2018

**STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS
PUBLIC UTILITIES COMMISSION**

**In re: City of Woonsocket Water Division
- Application to Implement Multi-
Year Rate Plan**

Docket No. 4879

**CITY OF WOONSOCKET WATER DIVISION'S
("WWD") RESPONSE TO THE COMMISSION'S FIRST
SET OF DATA REQUESTS
(Issued November 5, 2018)**

1-16:	Please confirm that the funding allowed in the restricted accounts in Docket 4320 was ordered as follows: a) Debt service \$1,600,000 b) Renewal and Replacement \$120,000 c) Infrastructure Replacement \$1,700,000 d) Chemicals \$396,000
WWD Response 1-16: (a)	The debt service was set at \$1,600,000 per PUC Order No. 21066 on page 18 of Docket 4320.
(b)	Renewal and replacement was set at \$120,000 per PUC Order No. 21066 on page 18 of Docket 4320.
(c)	Infrastructure replacement was set at \$1,700,000 per PUC Order No. 21066 on page 18 of Docket 4320.
(d)	The chemical was set at \$396,000 per PUC Order No. 21066 on page 18 of Docket 4320.
Respondent:	David Bebyn, CPA
Date:	November 30, 2018

**STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS
PUBLIC UTILITIES COMMISSION**

**In re: City of Woonsocket Water Division
- Application to Implement Multi-
Year Rate Plan**

Docket No. 4879

**CITY OF WOONSOCKET WATER DIVISION'S
("WWD") RESPONSE TO THE COMMISSION'S FIRST
SET OF DATA REQUESTS
(Issued November 5, 2018)**

1-17:	Describe the planned distribution work to improve fire flow over the next 10 years. Include location, cost, material and start and end date.
WWD Response 1-17:	Attached as Exhibit 1-17 is a table from the IFR Plan, listing the planned piping improvements for fire protection. The improvement phases are set to take place under the following schedule: Phase 1 – 2022-2026; Phase 2 – 2027-2031; Phase 3 – 2032-2036; and Phase 4 – 2037-2041.
Respondent:	Robert Otoski, P.E.
Date:	November 30, 2018

**STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS
PUBLIC UTILITIES COMMISSION**

**In re: City of Woonsocket Water Division
- Application to Implement Multi-
Year Rate Plan**

Docket No. 4879

**CITY OF WOONSOCKET WATER DIVISION'S
("WWD") RESPONSE TO THE COMMISSION'S FIRST
SET OF DATA REQUESTS
(Issued November 5, 2018)**

1-18:	For the miscellaneous charges, removal of meter, shut-off/turn-on, that Woonsocket Water proposes to increase, please provide the calculation to support each increase and the justification for the increases.
WWD Response 1-18:	The miscellaneous charges have been increased to be at a consistent level as other water suppliers such as the Pawtucket Water Supply Board. These rates have not been changed for over a decade. No other calculations were performed other than a comparison of the rates.
Respondent:	David Bebyn, CPA
Date:	November 30, 2018

CITY OF WOONSOCKET, WATER
DIVISION
By its Attorneys,

/s/ Alan M. Shoer
Alan M. Shoer, Esq. (#3248)
Nicole M. Verdi, Esq. (#9370)
Adler Pollock & Sheehan, P.C.
One Citizens Plaza, 8th Floor
Providence, RI 02901-1345
Tel: 401-274-7200
Fax: 401-751-0604
Dated: November 30, 2018

CERTIFICATE OF SERVICE

I hereby certify that on November 30, 2018, I delivered a true copy of the foregoing response to the **Commission's FIRST Set of Data Requests** via electronic mail to the parties on the attached service list.

/s/ Alan M. Shoer

EXHIBIT 1-1

City of Woonsocket, Rhode Island
Water Division

Structural Evaluations

May 2002

Appendix H

THIELSCH ENGINEERING, INC.

195 Frances Avenue
Cranston, Rhode Island 02910-2211
Tel. (401) 467-6454
Fax (401) 467-2398

May 7, 2002

Mr. Robert Stoops
CDM
56 Exchange Terrace
Providence, RI 02903

SUBJECT: API-653 Inspection and Engineering Evaluation of 80 ft. Diameter
Aboveground Water Storage Tank

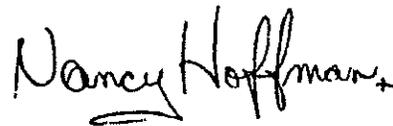
Dear Mr. Stoops:

Enclosed is a copy of Report No. 10010 summarizing the API-653 inspection and engineering evaluation of the 80 ft. diameter Aboveground Water Storage Tank at the Charles Hammann Water Treatment Plant in Woonsocket, Rhode Island.

We appreciated the opportunity to be of service, and look forward to working with you again in the future. If you have any questions, or would like further assistance, please do not hesitate to contact us.

Very truly yours,

THIELSCH ENGINEERING, INC.

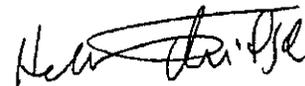


Nancy Hoffman
Vice President

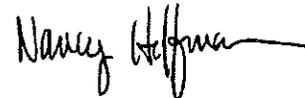
Enclosure
Job No. 420077

**THIELSCH ENGINEERING, INC.
195 FRANCES AVENUE
CRANSTON, RHODE ISLAND 02910**

**API-653
INSPECTION AND ENGINEERING EVALUATION OF
80 FT. DIAMETER ABOVEGROUND WATER STORAGE TANK
MARCH 2002
CHARLES HAMMANN WATER TREATMENT PLANT
WOONSOCKET, RHODE ISLAND
FOR CDM**



Helmut Thielsch, P.E.



Nancy Hoffman



**Allen Schuele
API Inspector No. 1173**

April 4, 2002

Report No. 10010

TABLE OF CONTENTS

	Page
Executive Summary	i
Introduction	1
March 2002 Inspection	2
Conclusions and Recommendations	6
 Appendix A - Wall Thickness Calculations	
Appendix B - Visual Inspection Checklists	
Appendix C - Drawings	

EXECUTIVE SUMMARY

In March 2002, Thielsch Engineering was retained by Camp Dresser and McKee, of Providence, Rhode Island, to perform a comprehensive inspection and evaluation of an 80 ft. diameter Aboveground Water Storage Tank located at the Charles Hammann Water Treatment Plant in Woonsocket, Rhode Island. The purpose of this evaluation was focused on determining whether the tank would be able to be utilized for proposed water storage and to make any subsequent recommendations.

The inspection conducted indicates that the tank meets the requirements of API Standard 653.

Recommendations for the next scheduled inspection are based on the assumption that all the noted recommendations have been met by the client, and verified by the qualified API Standard 653 Inspector.

In order to assess the corrosion rates and to determine long-term inspection frequencies for the tank, an external inspection of the tank is required within a two year period. This inspection should include an ultrasonic thickness survey of the shell.

A visual inspection should be performed annually. This tank should be reinspected at each available opportunity in the future, such as when it is removed from service for cleaning or maintenance.

The next external (in-service) ultrasonic inspection should be performed before March 2004 (based upon the Shell Remaining Service Life).

An internal inspection should be conducted at a period not to exceed 10 years. This is based upon the assumption that the repairs are accomplished and upon estimated corrosion rates of the tank bottom.

The next internal (out-of-service) ultrasonic inspection should be performed before March 2012.

INTRODUCTION

This tank has been in continuous water service since approximately 1961. There was no history available as to previous inspections or any significant repairs being conducted prior to this inspection and evaluation. Discussions with the maintenance personnel revealed that the coating had been repaired over the years on a spot-by-spot basis, with some various welding repairs made to correct leaking problems. These repairs are not well documented as to location or extent.

Construction Details

Tank Diameter:	Outer shell: 87 ft. Inner shell: 70 ft.
Tank Height:	Outer shell: 25 ft. Inner shell: 23 ft.
Shell Construction:	Welded
Roof Construction:	Open roof with geodesic dome cover
Constructed in 1961:	Assumed

Analysis

The tank was evaluated for continued service utilizing guidelines established by API-653 for Aboveground Storage Tank Inspection and AWWA. Based on the inspection data, the tank was evaluated for:

- Ability of the shell to resist liquid product pressure loads.
- Resistance to wind buckling and overturning.
- Remaining life under desired operating conditions.
- Schedule for the next inspection based on corrosion rates.
- Shell settlement evaluation.

The tank was inspected by a certified API Aboveground Storage Tank Inspector utilizing API-653 Guidelines.

The inspection and evaluation included items as described in the following sections of this report.

MARCH 2002 INSPECTION

Site and Foundation

A visual examination was conducted of the site drainage to determine if the tank bottom was susceptible to corrosion from the underside. The visible portion of the foundation was also evaluated. The visual examination of the ring wall for the tank foundation revealed that the concrete is deteriorating. This condition is also present at the spiral stair landing. Photographs illustrating the concrete spalling and cracking are provided in Figs. 1 and 2. Locations of deterioration have exposed areas which are now exhibiting external corrosion at the interface of the ring wall and the shell, as shown in Fig. 3.

Tank Shell

Ultrasonic thickness readings were recorded on all courses. Ultrasonic examinations were performed utilizing the B-scan technique with 2 ft. wide bands being examined from the ground to the top of the shell. Nominal and minimum readings were recorded at every 2 ft. elevation. This examination was conducted at select locations around the perimeter and up the spiral staircase.

An ultrasonic thickness survey was performed of the external shell, consisting of readings in all courses. The inner shell readings were recorded for a height of 7 ft. All readings are in inches and do not include coating thickness.

Course No. 1

Measured T_{nom} = 0.625"

Measured T_{avr} = 0.609"

API Minimum Allowable T_{min} = 0.342"

Measured T_{min} = 0.585"

Shell course height = 1 ft.

Remaining corrosion life based on current corrosion rate using T_{min} thickness to determine possibility of tank leaking = 20 years.

Remaining corrosion life based on current corrosion rate using T_{avr} thickness to evaluate structural integrity = 20 years.

Joint Efficiency: 0.7 per Table 2-1 API-653

Course No. 2

Measured T_{nom} = 0.330"

Measured T_{avr} = 0.306"

API Minimum Allowable T_{min} = 0.257"

Measured T_{min} = 0.306"

Shell course height = 8 ft.

Remaining corrosion life based on current corrosion rate using T_{min} thickness to determine possibility of tank leaking = 4+ years.

Remaining corrosion life based on current corrosion rate using T_{avr} thickness to evaluate structural integrity = 4+ years.

Joint Efficiency: 0.7 per Table 2-1 API-653

Course No. 3

Measured T_{nom} = 0.282"

Measured T_{avr} = 0.258"

API Minimum Allowable T_{min} = 0.202"

Measured T_{min} = 0.241"

Shell course height = 8 ft.

Remaining corrosion life based on current corrosion rate using T_{min} thickness to determine possibility of tank leaking = 4 years.

Remaining corrosion life based on current corrosion rate using Tavr thickness to evaluate structural integrity = 4 years.

Joint Efficiency: 0.7 per Table 2-1 API-653

Course No. 4

Measured Tnom = 0.275"

Measured Tavr = 0.250"

API Minimum Allowable Tmin = 0.140"

Measured Tmin = 0.241"

Shell course height = 8 ft.

Remaining corrosion life based on current corrosion rate using Tmin thickness to determine possibility of tank leaking = 20+ years.

Remaining corrosion life based on current corrosion rate using Tavr thickness to evaluate structural integrity = 20+ years.

Joint Efficiency: 0.7 per Table 2-1 API-653

Calculations, provided in Appendix A, were performed to determine the minimum permissible shell thickness for the tank. The product specific gravity of 1.0 was used for the current application of water service. The required shell thickness is less than the minimum recorded thickness. On this basis, no reduction of product fill height is required.

The field inspection of the tank shell also consisted of a visual examination of the vertical and circumferential seams and shell plates.

Visual examination of the interior and exterior vertical seams of the shell found them to be of proper size and profile. Attention focused on detecting the presence of cracks or other serious discontinuities which could affect the service life of the welds. The

horizontal seam between the first two shell courses was also visually examined on the inside and outside.

Both shell walls on the interior are exhibiting signs of deterioration in the form of pitting corrosion. This active corrosion is shown in Figs. 4 through 6.

The baffles and stiffener plates on the center frame are bent. This was apparently caused by mechanical damage. Photographs of this condition are provided in Fig. 7.

Tank Floor

A 100% ultrasonic B-scan examination was conducted of the floor plates in the annular space under the carbon filter assembly to determine the presence of underside corrosion. A preliminary visual inspection of the tank bottom showed the plates to be mainly free of corrosion by-product. A visual inspection of the coating was also conducted.

The ultrasonic thickness scans of the floor plates exhibited general thickness readings of 0.250". The ultrasonic thickness readings revealed a remaining average plate thickness of 0.204". Pitting corrosion was noted with remaining thickness readings ranging from 0.182" to 0.196". The corrosion in the form of general metal-loss revealed thickness readings ranging from 0.204" to 0.218", located in all areas of the floor.

The bottom plate thickness was evaluated in accordance with API-653. The calculated corrosion rate by the deterministic method places the expected service life of the tank bottom at 15 years.

The central area floor is concrete and has an epoxy coating, therefore, no ultrasonic examinations were conducted in this area. Areas of concrete deterioration were noted, Fig. 8, as well as areas where the coating was coming off. This is also causing some slight damage to the wiper blades.

Fixed Roof

A visual examination was conducted on the roof profile to determine if there were any sags, distortions or other signs of distress. All accessible roof fittings were also visually examined.

There was no evidence of any notable discrepancies during the visual inspections with the exception of the rain gutters being inadequately attached to the frame.

Staining was also present at the support columns for the roof, where the cover attaches to the shell, Fig. 9.

Checklists, provided in Appendix B, contain detailed information regarding the visual examinations.

Drawings of the vessel containing ultrasonic thickness measurements are provided in Appendix C.

CONCLUSIONS AND RECOMMENDATIONS

The coating on the floor plates appears to be failing. It is recommended that the floor plates in the annular space under the filter assembly be properly prepared and re-coated.

Ultrasonic examination results of the accessible floor plates indicated that the plate thicknesses are satisfactory for continued service.

The concrete floor in the center portion of the tank exhibited deterioration. The areas of failure should be properly prepared and a new coating over the concrete installed.

Grading should be done to remove dirt from the chime area and to insure proper drainage away from the tank. The areas of cracking and deteriorated concrete around

the ring wall perimeter should be repaired to prevent further deterioration of the foundation. The chime area should be cleaned and protected by removal of vegetation, repainting and resealing the chime-to-ring wall after repairs to the ring wall have been completed.

The interior coating system of the tank appears to be failing. The coating should be removed by sandblasting and a new coating installed.

The tank shell thickness measurements indicate that in all shell courses the shell plate thicknesses exceed the minimum required thickness.

Pitting on the second shell course should be repaired by filling in the wasted areas with weld build-up. Pitting depths of 0.05" or deeper should be considered for this process. This would consist of approximately 25% of the surface area on all three shell walls.

This repair should be conducted on the outer and inner shells, including the wall at the carbon filter area. The bent and distorted baffles and support stiffeners should be replaced. The tank shell and roof at the column support for the cover should be properly prepared and re-coated. The rain gutters should be properly attached to prevent further distortion to the system.

Following the repairs outlined in this report, this tank can continue operating at the current working capacity of 25 ft. storing product with a specific gravity up to 1.0.

The roof inspection results indicated that the cover is satisfactory for continued service.

Consideration should be given to installing a Cathodic Protection system.

Replacement or repair of the spiral staircase landing should be completed to prevent possible personnel injury.

Future Inspection Dates

Conduct periodic visual inspections for signs of deterioration, distortion and general operational conditions required by the API or company guidelines.

The following items are based on the assumption that all the above-noted recommendations have been met by the client and have been verified by the qualified API Standard 653 Inspector.

In order to assess the corrosion rates and to determine long-term inspection frequencies for the tank, an external inspection of the tank is required within a two year period. This inspection should include an ultrasonic thickness survey of the shell.

A visual inspection should be performed annually. This tank should be reinspected at each available opportunity in the future, such as when it is removed from service for cleaning or maintenance.

The next external (in-service) ultrasonic inspection should be performed before March 2004 (based upon the Shell Remaining Service Life).

An internal inspection should be conducted at a period not to exceed 10 years. This is based upon the assumption that the repairs are accomplished and upon estimated corrosion rates of the tank bottom.

The next internal (out-of-service) ultrasonic inspection should be performed before March 2012.

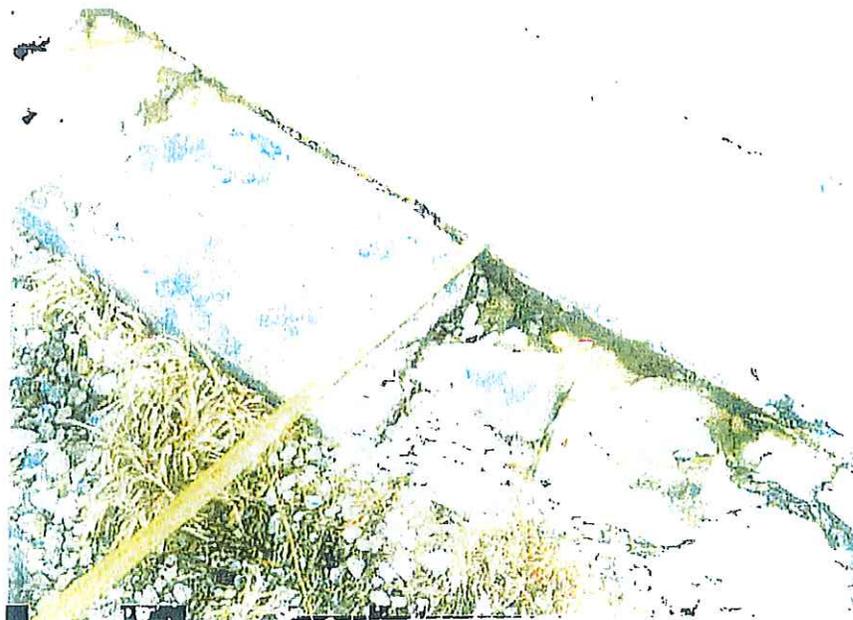
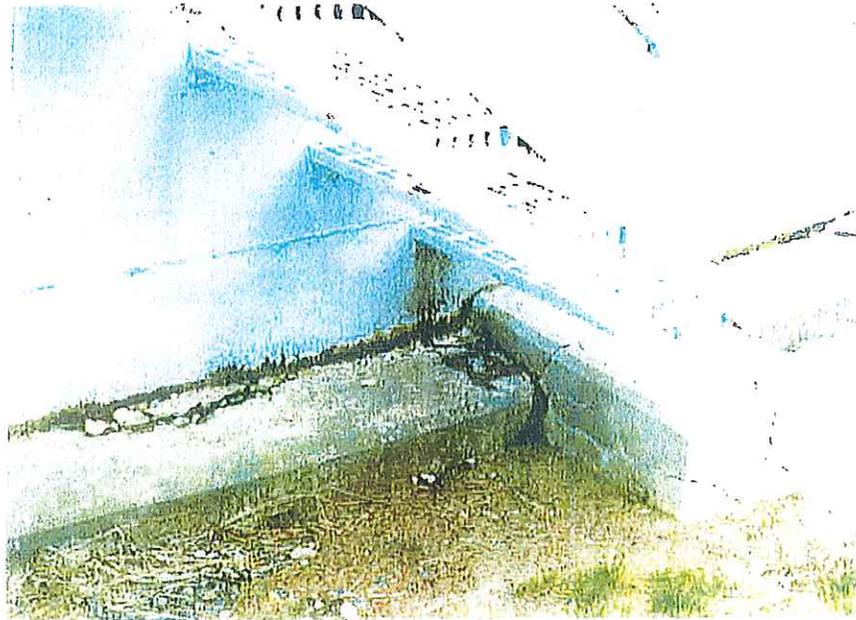


Fig. 1. Photographs of concrete foundation spalling and cracking on 80 ft. diameter Aboveground Storage Tank.

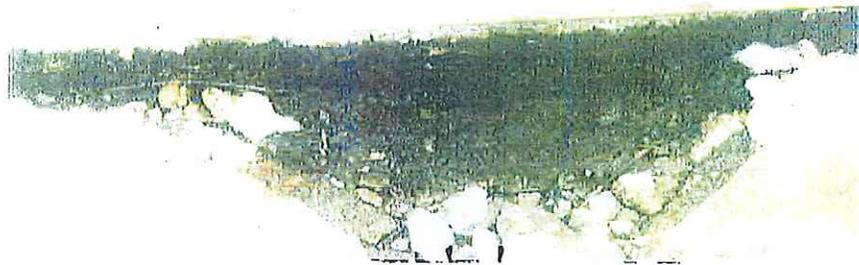


Fig. 2. Additional photographs of spalling and cracking.



Fig. 3.

Views of external corrosion at interface of ring wall and shell.

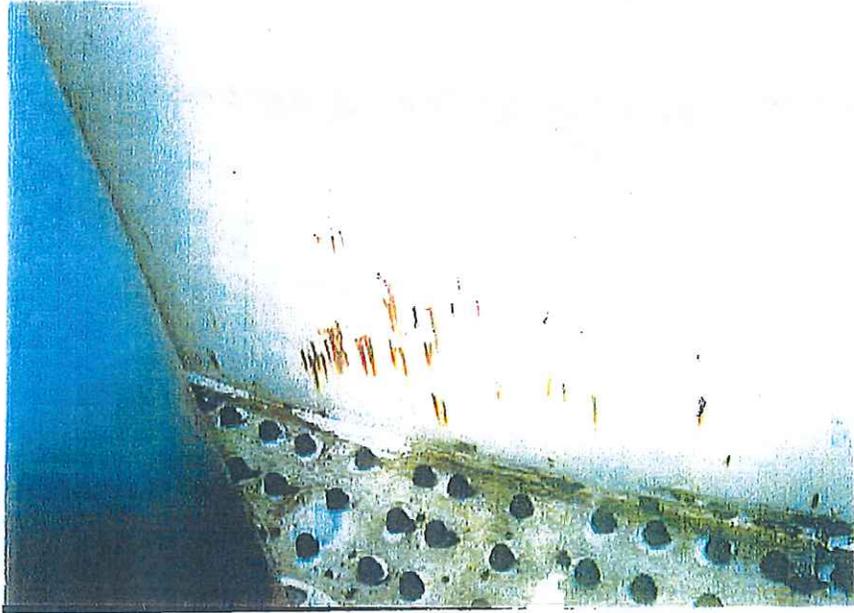


Fig. 4. Overall and close-up views of active corrosion areas on external shell.

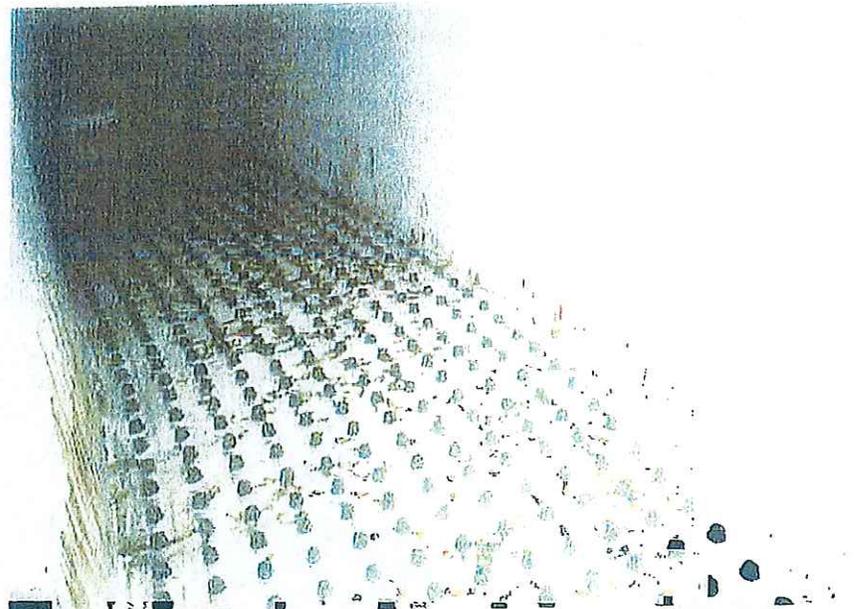


Fig. 5. Additional views of external corrosion.

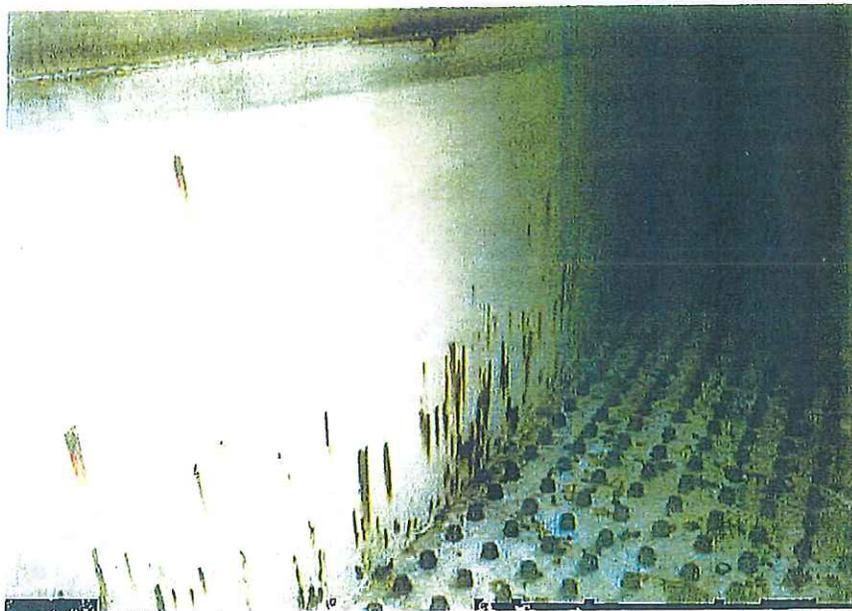
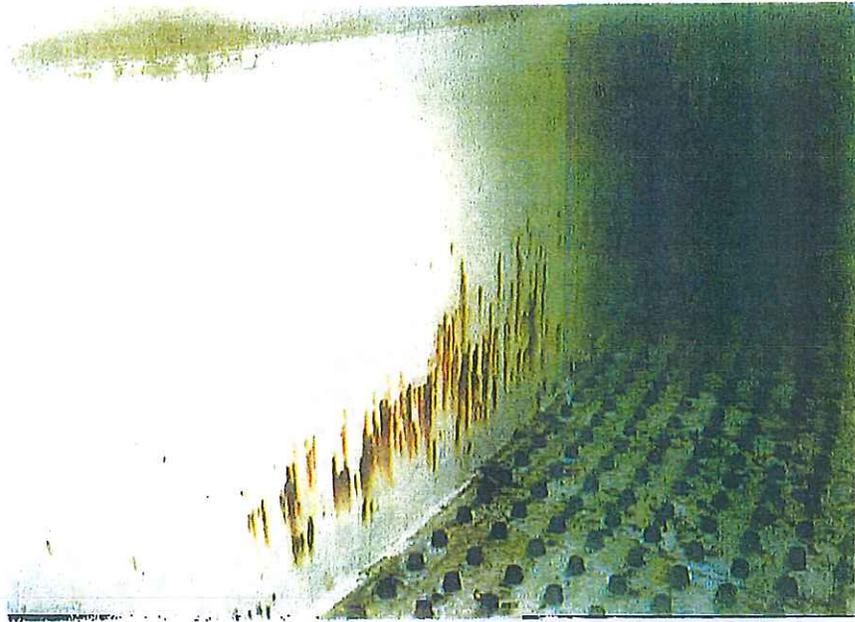


Fig. 6. Photographs of active corrosion on inner shell.

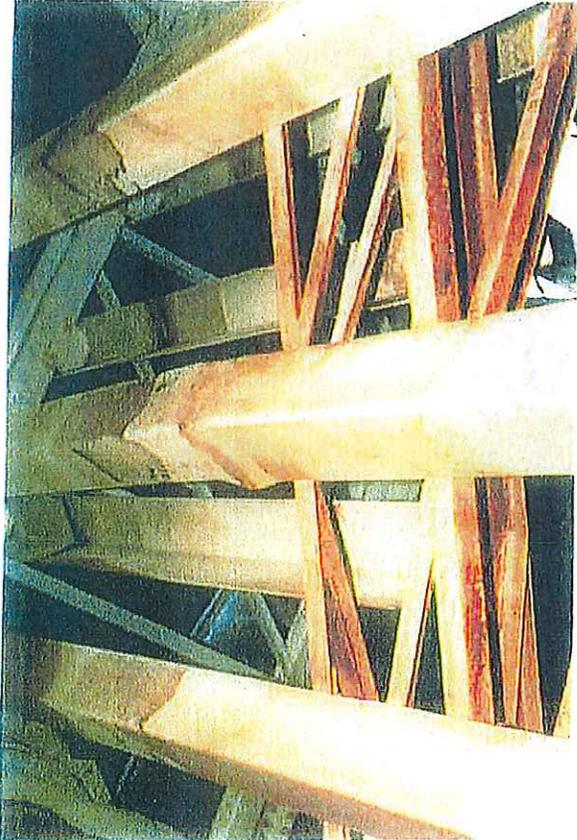
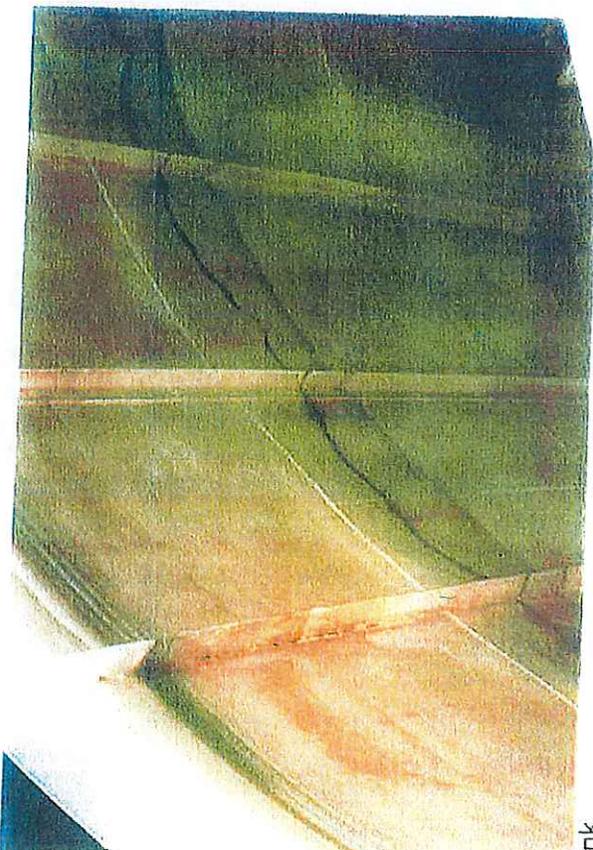
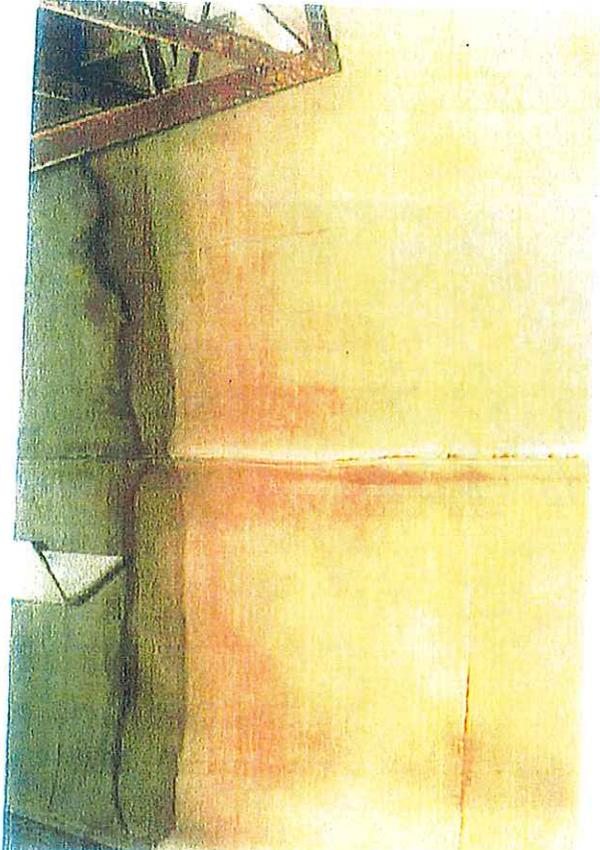


Fig. 7. Views of bent baffle and stiffener plates on center frame of tank.

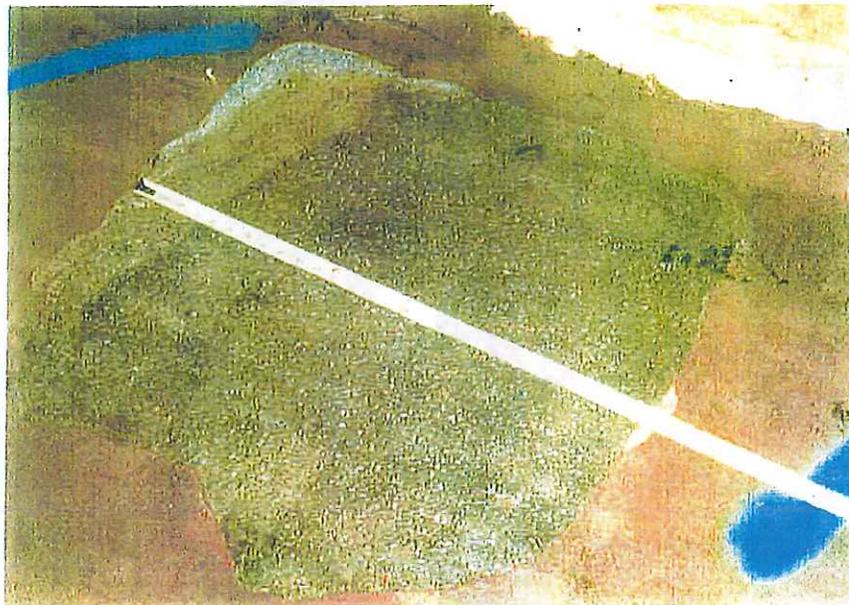
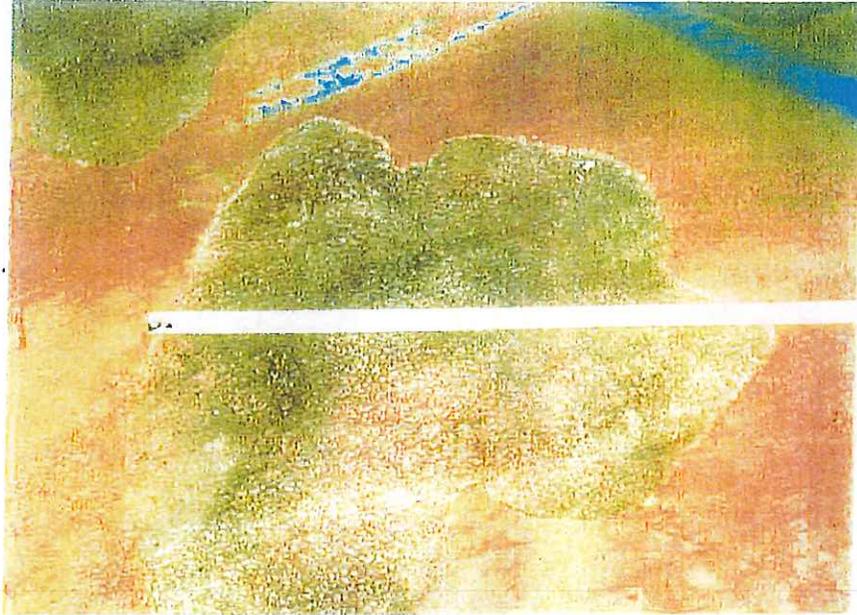


Fig. 8. Photographs of concrete floor deterioration.

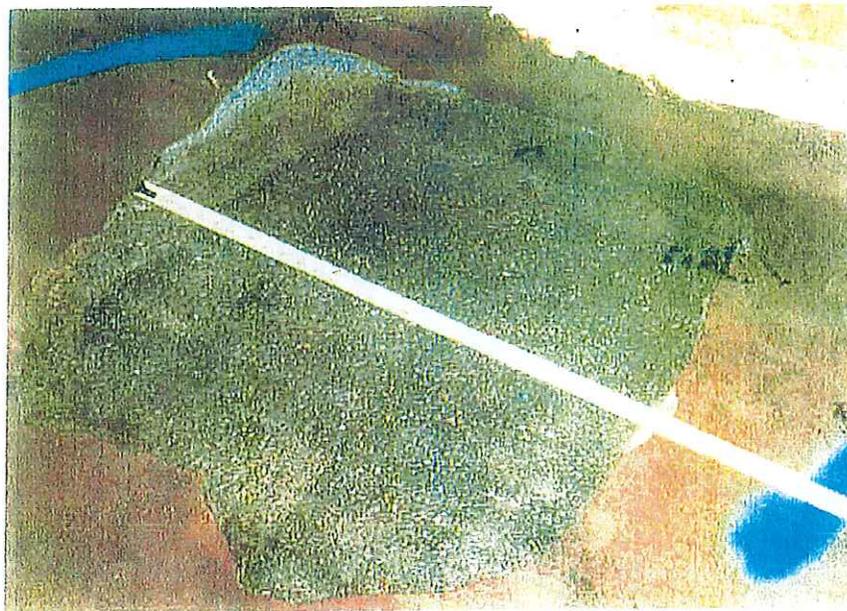
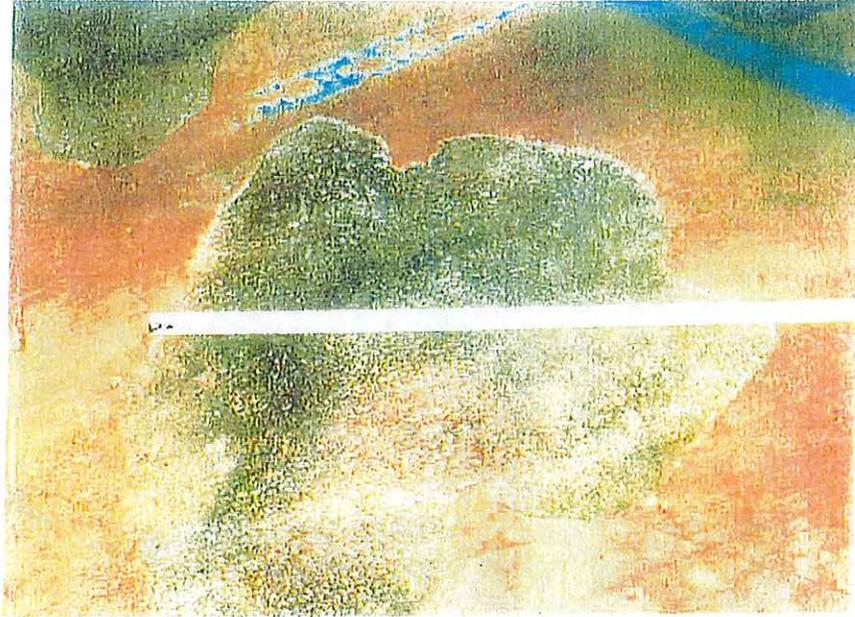


Fig. 8. Photographs of concrete floor deterioration.

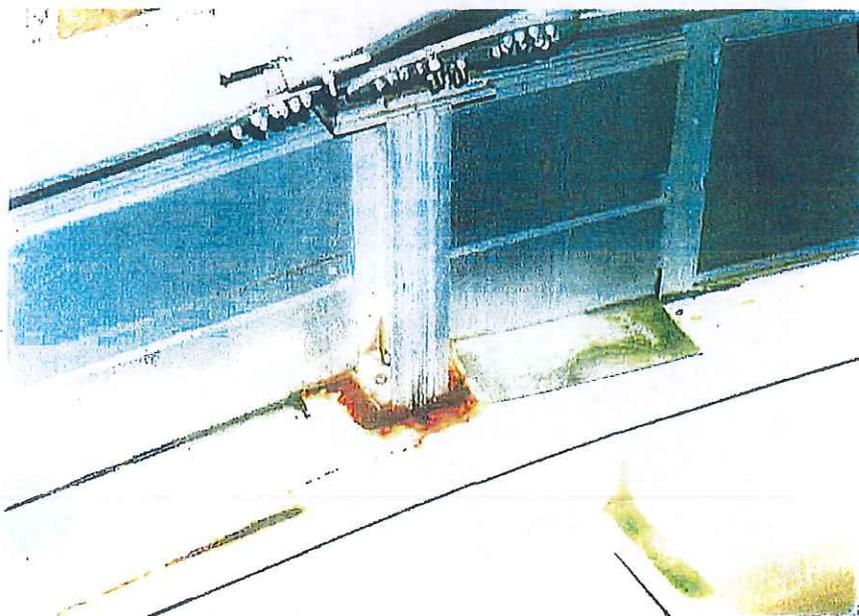
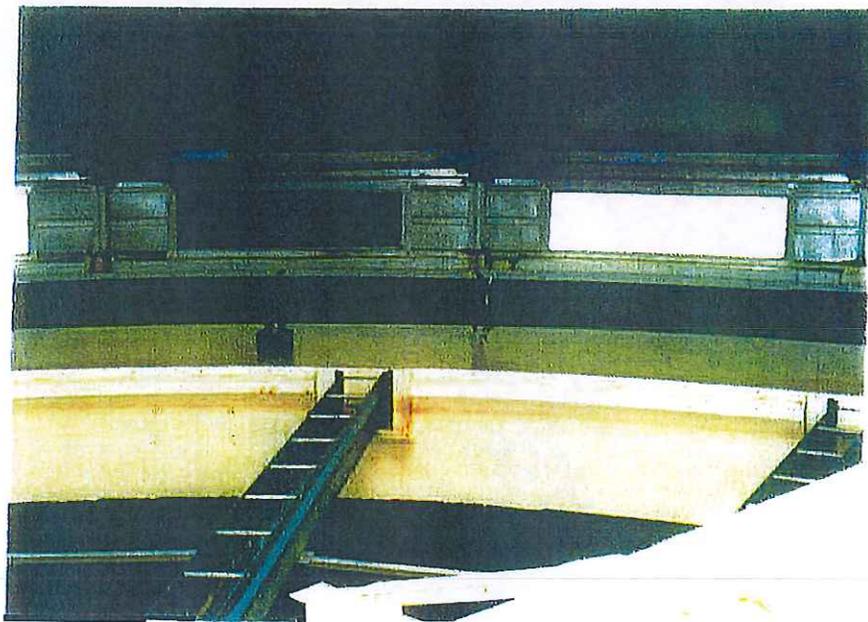


Fig. 9. Views of staining at roof-to-shell connection.

APPENDIX A

WALL THICKNESS CALCULATIONS

AST Bottom Calculations

Diameter of tank (ft.) =	87
Specific Gravity of contents =	1
Max. Allowable Stress (PSI) =	23595
Joint Efficiency =	0.7
Height =	25
Corrosion Allowance =	.000

Name of Tank: **Treatment Unit 1**

Equipment #: Course 1 & 2
 Course 3 & above

Material: Carbon Steel

Note: Original joint efficiency for tank - 1.0 = 100% RT; .85 = Spot RT; use 7 when unknown

MRT= Min of RT(bc) or RT(lip)-O(SIP+Up)	Min Remaining	RTbc	RUp	OR	15	UPR	SIPR	UPR	Minimum Allowed	MRT after repairs	MRT without Repairs
		0.182	0.242	0	15	0	0.0018	0	0.1	0.2155	0.1555

Plate 2

VISUAL INSPECTION CHECKLISTS

THIELSCH ENGINEERING, INC.

195 Frances Avenue - Cranston, RI 02910 - (401) 467-6454 Fax (401) 467-7259

ATMOSPHERIC STORAGE TANK INTERNAL INSPECTION CHECKLIST

Station Number: _____ Inspection Date: 3/15/2002
 Tank Service: 80 ft. Diameter Aboveground Inspector(s): A.Schuele
Water Storage Tank
 Material of Shell: _____ Material of Roof: _____
 Material of Floor: _____ Type of Roof: _____

A = Acceptable, U = Unacceptable, NA = Not Applicable, NI = Not Inspected

No.	Item	A	U	NA	NI	Comments
FLOOR						
a.	Corrosion, pitting, holes, etc. (note location, depth, appearance)		X			Concrete floor on inner tank cracked and spalling
b.	Shell to floor weld condition					
c.	Floor plate welds					
d.	Annular ring condition					
e.	Coating condition					
f.	Sump(s) condition					
g.	Clean	X				
h.	Reinforcing pads under all bottom attachment clips, brackets, supports, and directed flow patterns			X		
i.	Support pads under and restraining clips on column bases of fixed roof supports (note weld condition)			X		
j.	UT measurements					
k.						
l.						
SHELL						
a.	Corrosion, pitting, scale (locations, depth, etc.)	X				
b.	Protective coating condition (noted deterioration, disbonding, etc.)	X				Small areas of corrosion by-product
c.	Bulges/distortions	X				
d.	Welds	X				
e.	Attachments (supports, brackets, gussets, etc.)		X			Bent baffles
f.	Round and plumb	X				
g.	UT measurements					
h.						
i.						

ATMOSPHERIC STORAGE TANK INTERNAL INSPECTION CHECKLIST (continued)

A = Acceptable, U = Unacceptable, NA = Not Applicable, NI = Not Inspected

No.	Item	A	U	NA	NI	Comments
3	MANWAYS AND NOZZLES					
a.	Corrosion, pitting, scale (location, depth, etc.)			X		
b.	Protective coating condition (note deterioration, disbonding, etc.)			X		
c.	Weld condition			X		
d.	Internal piping condition (corrosion, supports, etc.)			X		
e.	Flange/gasket surface condition			X		
f.	UT measurements					
g.						
h.						
	ROOF					
a.	Corrosion, pitting, scale (location, depth, etc.)	X				
b.	Protective coating condition (note deterioration, disbonding, etc.)			X		
c.	Weld condition			X		
d.	Rafter and girder condition	X				
e.	Center column support condition			X		
f.	Roof supports (clips, brackets, braces, repads, etc.)	X				
g.	UT measurements					
h.						
i.						
5	MISCELLANEOUS ITEMS					
a.	Internal mixer(s) or diffuser(s) condition					
b.	Internal heaters (describe type: coll, stab in exchanger, bayonet, etc.)					
c.						
d.						

Additional Comments/Recommendations:

- Inner tank floor is concrete and has spalling at various locations.
- Baffles are bent and should be replaced.
- Stiffener bars on inner shell are bent.
- Wipers on sweeper are worn out.
- Plates on ledge on inner shell are showing evidence of corrosion at the welds.
- Internal ladder rings are corroded and need to be replaced.

THIELSCH ENGINEERING, INC.

195 Frances Avenue - Cranston, RI 02910 - (401) 467-6454 Fax (401) 467-7259
ATMOSPHERIC STORAGE TANK EXTERNAL INSPECTION CHECKLIST

Station Number: _____	Inspection Date: <u>3/15/2002</u>
Tank Service: <u>80 ft. Diameter Aboveground Water Storage Tank</u>	Inspector(s): <u>A. Schuele</u>
Material of Shell: _____	Material of Roof: _____
Drawing Number: _____	Type of Roof: _____

A = Acceptable, U = Unacceptable, NA = Not Applicable, NI = Not Inspected

No.	Item	A	U	NA	NI	Comments
1.	NAMEPLATE					
a.	Nameplate in place with design data (note condition of bracket)			X		Not present
b.	API Code stamp (record number)			X		Not present
c.	Manufacturer			X		Not present
d.	Serial no./year built			X		Not present
e.						
f.						
2.	FOUNDATIONS					
a.	Concrete condition (broken, spalling, cracks)					In need of repair
b.	Levelness	X				
c.	Clean	X				
d.	Coating condition			X		
e.	Drain openings in ring					
f.	Signs of settlement around perimeter of tank	X				
g.						
h.						
i.	Dike walls/containment			X		
j.						
3.	SHELL					
a.	Paint condition	X				
b.	Corrosion, pitting, scale (note location, depth, etc.)	X				
c.	Bulges/distortion	X				
d.	Welds					Visual was o.k.
e.	Attachments (supports, brackets, gussets, etc.)	X				
f.	Insulation/covering condition			X		
g.	Signs of thinning at bottom to shell plate angle "chime" area	X				Corrosion at bottom needs repair
h.	Overflow vents/piping			X		
i.	UT measurements					
j.						
k.						
4.	CATHODIC PROTECTION					
a.	Galvanic Anode System			X		
b.	Impressed Current System			X		
c.						
d.						
e.						
f.						

ATMOSPHERIC STORAGE TANK EXTERNAL INSPECTION CHECKLIST (continued)

A = Acceptable, U = Unacceptable, NA = Not Applicable, NI = Not Inspected

No.	Item	A	U	NA	NI	Comments
4. MANWAYS/STANDING NOZZLES						
a.	Paint condition		X			Starting to flake and peel
b.	Corrosion, pitting, scale (note location, depth, etc.)	X				
c.	Weld condition	X				Visual o.k.
d.	Flange condition (leaking, corroded, etc.)	X				
e.	Bolting condition	X				
f.	Repad condition (weep holes, etc.)	X				Only on oval manholes
g.	UT measurements					
h.						
i.						
5. ROOF						
a.	Before accessing the roof: UT or hammer test deck plate for thinning			X		Aluminum dome cover
b.	Paint condition			X		
c.	Corrosion, holes, pitting, scale (note location, depth, etc.)			X		
d.	Weld condition			X		
e.	Proper drainage (Are there flat spots retaining water?)			X		
f.	Insulation/covering condition			X		
g.	UT measurements					
h.						
i.						
6. ROOF APPURTENANCES						
a.	Condition of hatch(s), manways, cover(s)	X				Walk through door
b.	Condition of pressure/vacuum vent(s)			X		
c.	Condition of screens on vents/breathers	X				
d.	Bolting condition			X		
e.	Insulation seal condition			X		
f.						
g.						
7. APPURTENANCES						
a.	Grounding		X			No ground observed
b.	Sight glasses			X		
c.						
d.						

ATMOSPHERIC STORAGE TANK EXTERNAL INSPECTION CHECKLIST (continued)

A = Acceptable, U = Unacceptable, NA = Not Applicable, NI = Not Inspected

No.	Item	A	U	NA	NI	Comments
8.	ACCESSWAYS					
8.1	(HANDRAILS)					
a.	Paint condition		X			Starting to flake and peel
b.	Corrosion, pitting, holes	X				
c.	Attachment welds	X				
d.	Safety drop bar (chain) condition					
e.						
f.						
8.2	(PLATFORMS/STAIRS/ LADDERS)					
a.	Paint condition					Paint is flaking and peeling
b.	Corrosion, pitting, holes	X				
c.	Attachment welds to tank (including repads for supports)	X				
d.	Support clips, lugs, braces, etc.	X				
e.	Platform support frame (deck plate or grating rests on) condition (thinning, holes, etc.)	X				
f.	Bolting	X				
g.	Cage condition			X		
h.	Rung condition			X		
i.	Stairway tread condition	X				
j.	Concrete base condition					In need of repair
k.						
l.						
8.3	(GRATING)					
a.	Paint condition			X		
b.	Thinning on grating bars	X				
c.	Condition of grating welds			X		
d.	Tie down clips	X				
e.						
f.						

Additional Comments/Recommendations:

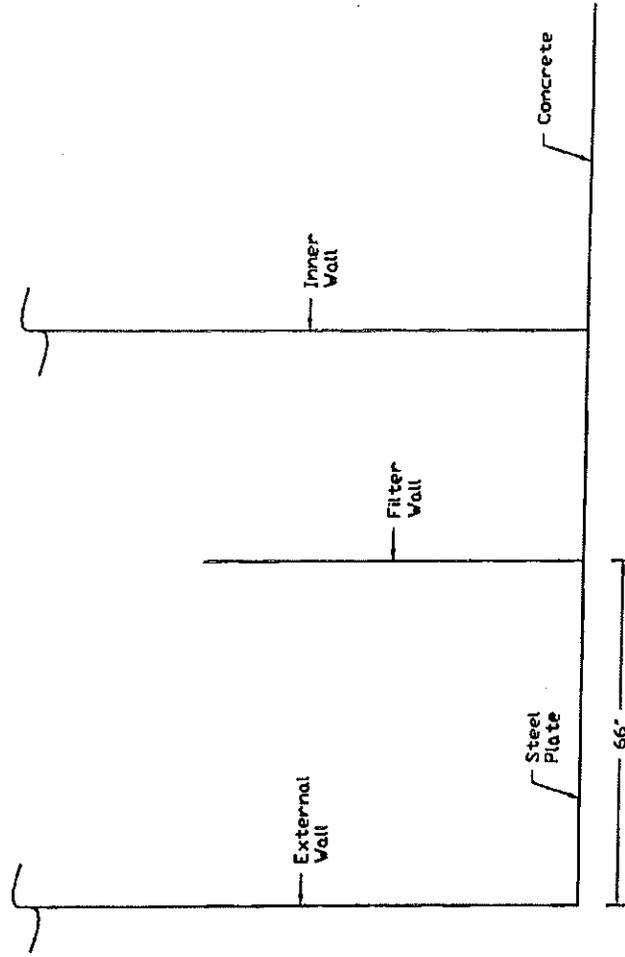
Inspector(s) Signature and Date

Reviewed/Approved by (Signature and Date)

DRAWINGS

WATER STORAGE TANK

Shell Side View



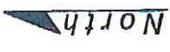
SIDE VIEW

THIELSCH ENGINEERING, INC.
 195 Frances Avenue, Cranston, RI (401) 467-6454 Fax (401) 467-7259

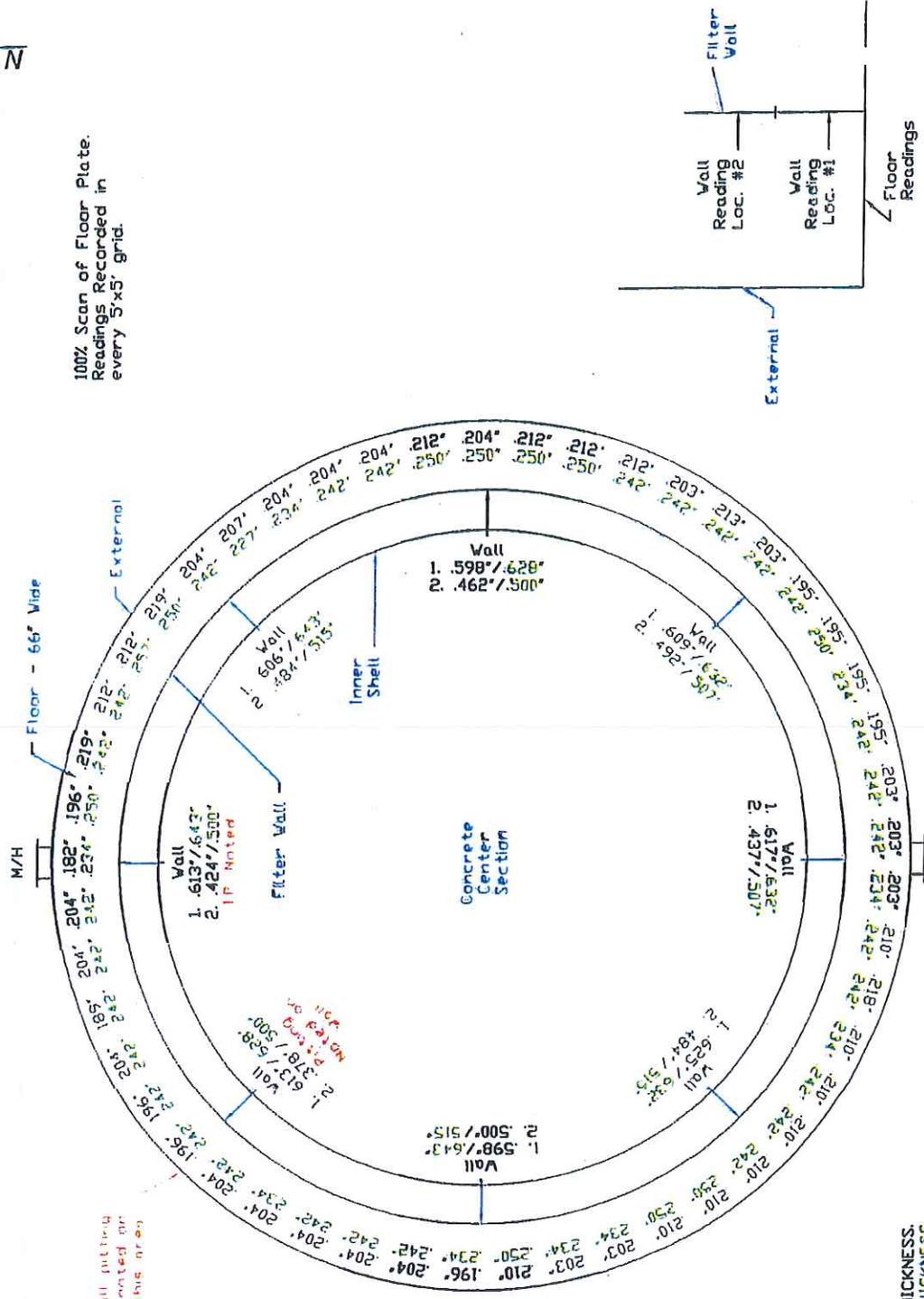
CHARLES HAMMANN WATER TREATMENT PLANT
WOONSOCKET, RI
ABOVEGROUND WATER STORAGE TANK
SHELL SIDE VIEW

JOB NUMBER: 420077 INSPECTION DATE: 03/2002 DWG. NUMBER: 1 of 6

WATER STORAGE TANK Floor Layout



100% Scan of Floor Plate.
Readings Recorded in
every 5'x5' grid.



small pit has
noted on
this area

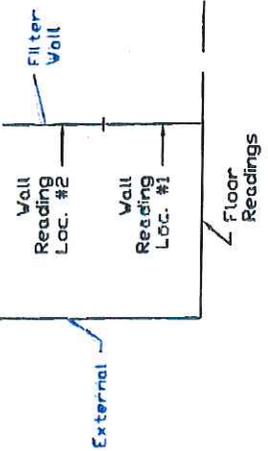
KEY:
BLACK: MINIMUM REMAINING WALL THICKNESS.
GREEN: MAXIMUM REMAINING WALL THICKNESS.

THIELSCH ENGINEERING, INC.

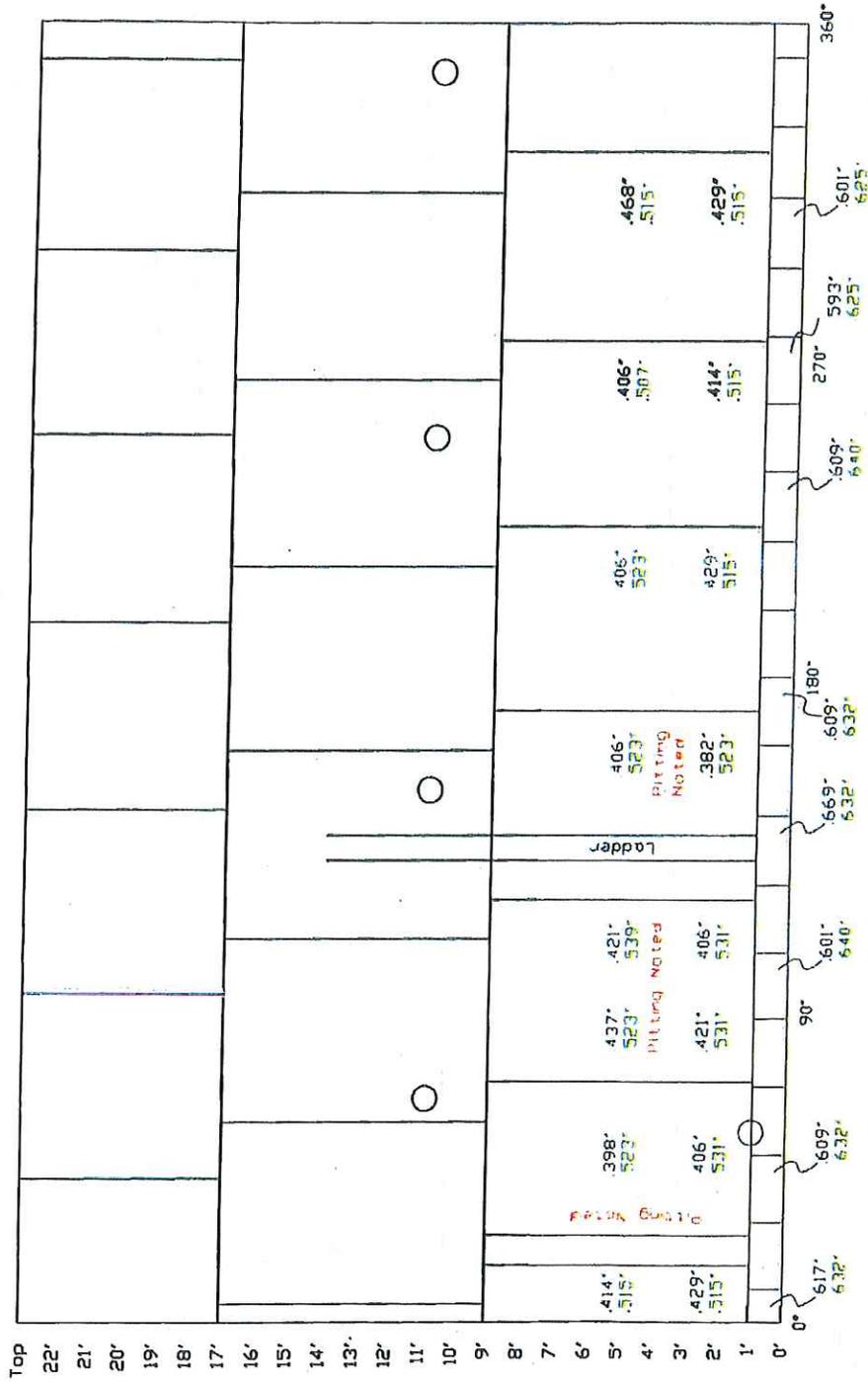
195 Frances Avenue, Cranston, RI (401) 467-6454 Fax (401) 467-7259

JOB NUMBER 420077	INSPECTION DATE 03/2002	DWG. NUMBER 2 of 6
-----------------------------	-----------------------------------	------------------------------

**CHARLES HAMMANN WATER TREATMENT PLANT
WOONSOCKET, RI
ABOVEGROUND WATER STORAGE TANK
FLOOR LAYOUT**



WATER STORAGE TANK Inner Shell Layout



KEY:
 BLACK: MINIMUM REMAINING WALL THICKNESS.
 GREEN: MAXIMUM REMAINING WALL THICKNESS.

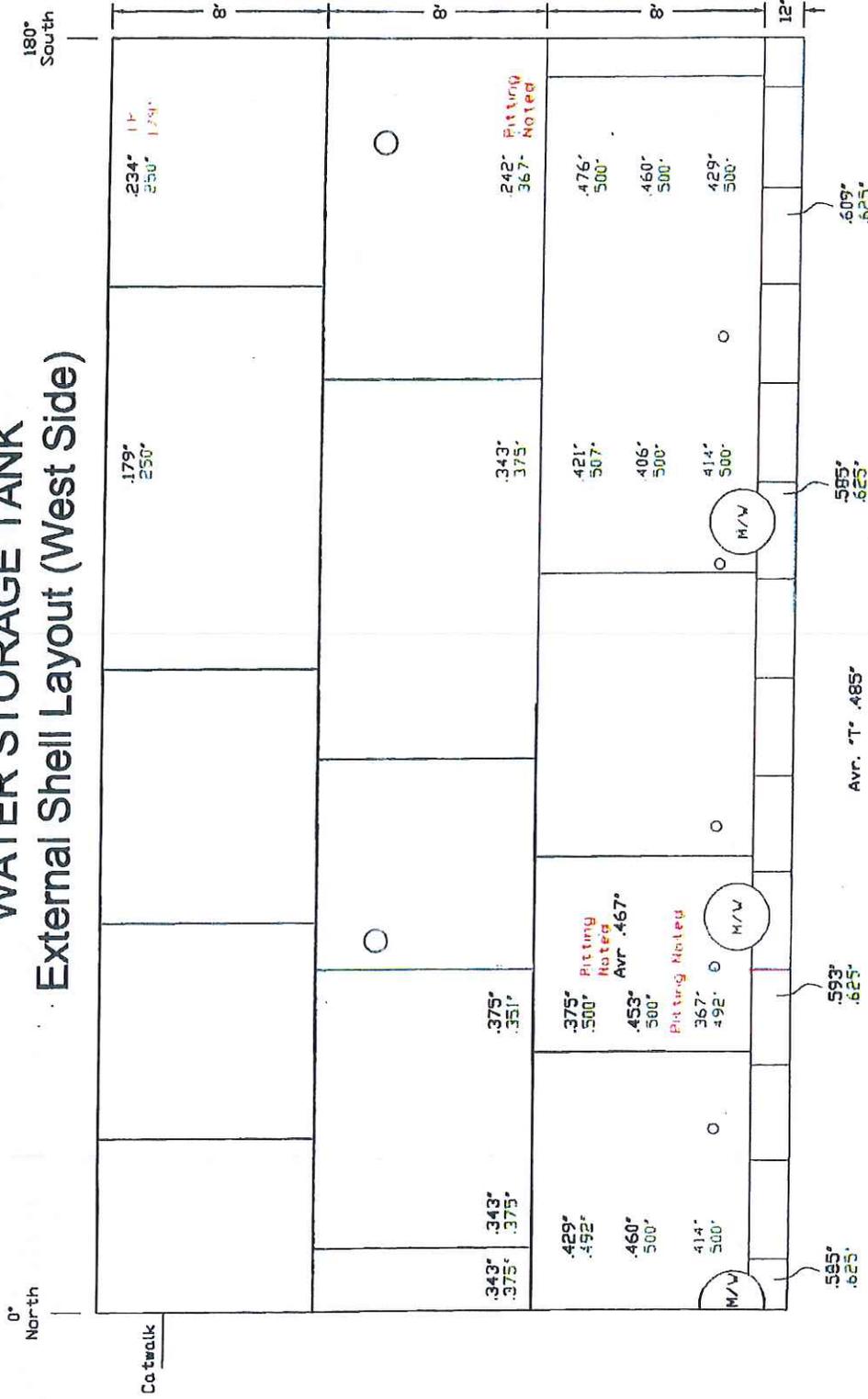
THIELSCH ENGINEERING, INC.
 195 Frances Avenue, Cranston, RI (401) 467-6454 Fax (401) 467-7259

CHARLES HAMMANN WATER TREATMENT PLANT
 WOONSOCKET, RI
 ABOVEGROUND WATER STORAGE TANK
 INNER SHELL LAYOUT

JOB NUMBER 420077	INSPECTION DATE 03/2002	DWG. NUMBER 3 of 6
-----------------------------	-----------------------------------	------------------------------

WATER STORAGE TANK

External Shell Layout (West Side)



KEY:
 BLACK: MINIMUM REMAINING WALL THICKNESS.
 GREEN: MAXIMUM REMAINING WALL THICKNESS

THIELSCH ENGINEERING, INC.

195 Frances Avenue, Cranston, RI (401) 467-6454 Fax (401) 467-7259

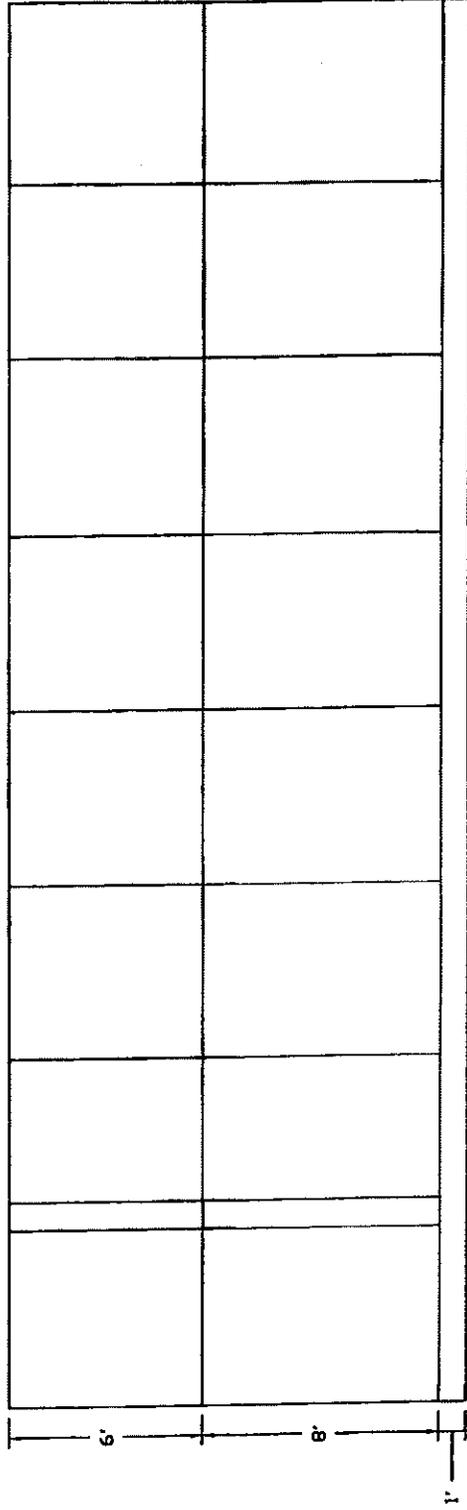
JOB NUMBER
420077

INSPECTION DATE
03/2002

DWG. NUMBER
4 of 6

CHARLES HAMMANN WATER TREATMENT PLANT
 WOONSOCKET, RI
 ABOVEGROUND WATER STORAGE TANK
 EXTERNAL SHELL LAYOUT (West Side)

WATER STORAGE TANK Filter Wall Layout



Max. Pit Depths: Most Pits Are Approximately 1/8". After Removal of Loose Material.

- 0" = 1/8"
- 90° = 1/8" with 3/16" pits repaired previously
- 180° = 1/8" to 3/16"
- 270° = 1/8"

Some Repairs Are Still Intact, While Others Have Additional Corrosion Occurring. All Locations Have Previous Repair Work, Consisting of Wire Wheel/Angle Grinder Prep with Hand-Painted Application of Epoxy.

THIELSCH ENGINEERING, INC.

195 Frances Avenue, Cranston, RI (401) 467-6454 Fax (401) 467-7259

INSPECTION DATE

03/2002

DWG. NUMBER

6 of 6

CHARLES HAMMANN WATER TREATMENT PLANT
WOONSOCKET, RI
ABOVEGROUND WATER STORAGE TANK
FILTER WALL LAYOUT

JOB NUMBER

420077

THE HISTORY OF THE UNITED STATES

The history of the United States is a complex and multifaceted story. It begins with the early Native American civilizations, such as the Mayans, Aztecs, and Incas, who built great empires in the Americas. The arrival of European explorers, led by Christopher Columbus in 1492, marked the beginning of a new era. The United States was founded in 1776, and its history is marked by significant events, including the American Revolution, the Civil War, and the rise of the industrial revolution. The country has grown from a small colony to a global superpower, and its influence is felt around the world.

The history of the United States is a story of progress and innovation. It is a story of a nation that has overcome many challenges and emerged as a leader in the world. The United States has been a beacon of hope and freedom for people around the world, and its values of democracy, liberty, and justice have inspired generations. The history of the United States is a testament to the power of the human spirit and the ability of a nation to overcome adversity and achieve greatness.



ROBERT L. MERITHEW, INC.

WATER TANK INSPECTION

P.O. BOX 177

RAYNHAM CENTER, MASSACHUSETTS 02768

Telephone
508-279-9965

Fax
508-279-9948

Mr. Jim Marvel
City of Woonsocket
Woonsocket Water Treatment Plant
1500 Manville Road
Woonsocket, Rhode Island 02895

Subject: The current life expectancy of the Clear Wells 1 & 2, and the Wash water tank, located within the Woonsocket Water District, Woonsocket, RI

Dear Mr. Marvel,

As per your request I am submitting the following information regarding the (2) 83'Ø x 14'Ø high Clear Wells and the 46' 6" Ø x 35' high Wash Water Tank located at the Charles Harmon Water Treatment Plant, Woonsocket, Rhode Island.

Clear Wells #1 & #2:

- 1) The current life expectancy of the referenced clear wells with no further remedial work would be 3 to 5 years at which time furtherance in the existing corrosive activity could result in severe metal loss along both the roof, shell and floor surfaces.
- 2) If it is determined that the subject tanks are to remain in active service and be rehabilitated it is recommended that the following scope of work be scheduled as soon as possible in order to prohibit any furtherance in metal loss of already exposed substrate surfaces

All interior surfaces, inclusive but not limited to the roof, shell and floor surfaces, should be completely abrasive blast clean to an SSPC-SP #10 Near White Metal Grade, followed by the application of an NSF approved three coat catalyzed epoxy paint system. The coating system should be applied to a minimum dry film thickness of 12.0 mils on the completed system. The coatings should be applied by airless spray with the exception of all areas of bolted connections, angles, weld seams and pitted areas. The coatings along these areas should be applied by brush to ensure continuity of the completed paint system and thorough coverage of all irregular surfaces.

Additional provisions should be included in the contract documents requiring pit welding of all pits representing a 35% or more reduction in corresponding wall thickness. These pits, or areas of metal loss, should be welded in such a manner as to bring areas flush with original wall surface. These same areas should then be ground smooth to ensure continuity of the completed paint system. Spot welding of pits should be at the direction of an onsite inspector of owner's representative who would be responsible for identifying the pits to be welded. Areas which develop holes either during abrasive blast cleaning and/or welding or represent concentrated metal loss should have new steel plate welded into place. The steel plate should be of sufficient size so as to tie into sound metal and have at least a 1/4" continuous fillet weld around the patch. The thickness of the steel patch should be based on the location as well as size and purpose, however the minimum thickness should be 1/4". The contractor should also submit a cost per square foot for welding in place steel patches. This work should be performed under the direction of an onsite inspector or owner's representative.

Provisions should also be made for the application of a 100% solids epoxy surfacer to be applied, at the direction of an onsite inspector of owner's representative, to all areas of excessive surface profile and/or pitting which is very rough, narrow and less than the 35% threshold established for pit welding. This surfacer should be applied directly over the first coat of primer.

The estimated cost for the work outlined to the interior, based on current 2002 pricing, would be One Hundred Twenty-eight Thousand (\$128,000.00) dollars per tank. This cost includes contingencies for welding an estimated (500) pits @ \$15.00 per pit and applying (25) gallons of 100% epoxy filler @ \$200.00 per gallon.

All exterior surfaces, inclusive of roof, shell and appurtenances, should be completely abrasive blast cleaned to an SSPC-SP #6 Commercial Blast Grade, followed by the application of a three coat epoxy-urethane system consisting of two coats of a catalyzed epoxy applied to a minimum dry film thickness of 3 to 4 mils per coat and a polyurethane enamel finish material applied to a minimum dry film thickness of 1.5 to 2.5 mils.

Due to the possibility of lead within the coatings as well as the location of the tanks, it is anticipated that at least a Class 2A containment system in accordance with SSPC-Guide 61 (Con) would be required in addition to the use of a Blastox™ additive, which is a hazardous waste minimization process. The use of this additive will not only help to complement containment methodology but will also help to minimize the cost associated with disposing the cleaning particulate generated. Consideration should also be given to "Water Jetting"

the exterior surfaces so as to help minimize any potential for impacting the surrounding area.

The estimated cost for the work outlined to the exterior, based on current 2002 pricing, would be One Hundred Seventeen Thousand, (\$117,000.00) dollars, which includes contingencies for containment and disposal.

3) Once rehabilitated as outlined above the clear wells should offer at a minimum of 15 to 20 years of additional service life with out any significant maintenance during that period of time. Over all the life expectancy of the tank could be.

Wash Water tank:

1) The current life expectancy of the referenced clear wells with no further remedial work would be 3 to 5 years at which time furtherance in the existing corrosive activity could result in severe metal loss along both the roof, shell and floor surfaces.

2) If it is determined that the subject tanks are to remain in active service and be rehabilitated it is recommended that the following scope of work be scheduled as soon as possible in order to prohibit any furtherance in metal loss of already exposed substrate surfaces

All interior surfaces, inclusive but not limited to the roof, shell and floor surfaces, should be completely abrasive blast clean to an SSPC-SP #10 Near White Metal Grade, followed by the application of an NSF approved three coat catalyzed epoxy paint system. The coating system should be applied to a minimum dry film thickness of 12.0 mils on the completed system. The coatings should be applied by airless spray with the exception of all areas of bolted connections, angles, weld seams and pitted areas. The coatings along these areas should be applied by brush to ensure continuity of the completed paint system and thorough coverage of all irregular surfaces.

Additional provisions should be included in the contract documents requiring pit welding of all pits representing a 35% or more reduction in corresponding wall thickness. These pits, or areas of metal loss, should be welded in such a manner as to bring areas flush with original wall surface. These same areas should then be ground smooth to ensure continuity of the completed paint system. Spot welding of pits should be at the direction of an onsite inspector of owner's representative who would be responsible for identifying the pits to be welded. Areas which develop holes either during abrasive blast cleaning and/or welding or represent concentrated metal loss should have new steel

plate welded into place. The steel plate should be of sufficient size so as to tie into sound metal and have at least a 1/4" continuous fillet weld around the patch. The thickness of the steel patch should be based on the location as well as size and purpose, however the minimum thickness should be 1/4". The contractor should also submit a cost per square foot for welding in place steel patches. This work should be performed under the direction of an onsite inspector or owner's representative.

Provisions should also be made for the application of a 100% solids epoxy surfacer to be applied, at the direction of an onsite inspector or owner's representative, to all areas of excessive surface profile and/or pitting which is very rough, narrow and less than the 35% threshold established for pit welding. This surfacer should be applied directly over the first coat of primer.

The estimated cost for the work outlined to the interior, based on current 2002 pricing, would be Sixty-Eight Thousand One Hundred (\$68,100.00) dollars per tank. This cost includes contingencies for welding an estimated (500) pits @ \$15.00 per pit and applying (10) gallons of 100% epoxy filler @ \$250.00 per gallon.

All exterior surfaces, inclusive of roof, shell and appurtenances, should be completely abrasive blast cleaned to an SSPC-SP #6 Commercial Blast Grade, followed by the application of a three coat epoxy-urethane system consisting of two coats of a catalyzed epoxy applied to a minimum dry film thickness of 3 to 4 mils per coat and a polyurethane enamel finish material applied to a minimum dry film thickness of 1.5 to 2.5 mils.

Due to the possibility of lead within the coatings as well as the location of the tanks, it is anticipated that at least a Class 2A containment system in accordance with SSPC-Guide 61 (Con) would be required in addition to the use of a Blastox™ additive, which is a hazardous waste minimization process. The use of this additive will not only help to complement containment methodology but will also help to minimize the cost associated with disposing the cleaning particulate generated. Consideration should also be given to "Water Jetting" the exterior surfaces so as to help minimize any potential for impacting the surrounding area.

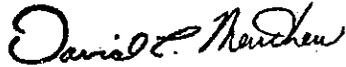
The estimated cost for the work outlined to the exterior, based on current 2002 pricing, would be Seventy Seven Thousand, Six Hundred (\$77,600.00) dollars, which includes contingencies for containment and disposal.

If you have any additional question please feel free to call me.

Thank you for your interest in this matter.

Sincerely,

Robert L. Merithew, Inc.

A handwritten signature in cursive script that reads "David L. Merithew".

David L. Merithew, President

CDM

consulting • engineering • construction • operations

©CDM is a registered trademark of Camp Dresser & McKee Inc.

City of Woonsocket, Rhode Island
Water Division

Water Treatment Plant Evaluation

October 2004

Final Report

October 13, 2004

Mr. Emerson J. Marvel
Superintendent
Woonsocket Water Division
1500 Manville Road
Woonsocket, Rhode Island 02895

Subject: Water Treatment Plant (WTP) Evaluation Final Deliverable

Dear Mr. Marvel:

CDM is pleased to submit this Final Report for the Woonsocket Water Division's (Division) Water Treatment Plant Evaluation. The intent of this report is to serve as an executive summary of the work conducted within the four technical memoranda and two pilot testing programs. These memoranda and reports were submitted to you under separate cover as outlined below as Appendices A through H:

- *Appendix A* Technical Memorandum No. 1 – Projected Water Demands
- *Appendix B* Technical Memorandum No. 2 – Conceptual Process Selection
- *Appendix C* Disinfection Profiling
- *Appendix D* Technical Memorandum No. 3 – Bench -Scale Evaluation
- *Appendix E* Season 1 Pilot Testing Program
- *Appendix F* Season 2 Pilot Testing Program
- *Appendix G* Technical Memorandum No. 4 – Site Assessment
- *Appendix H* Structural Evaluations

Mr. Emerson J. Marvel
October 13, 2004
Page 2

This Final Report with appendices fulfills CDM's contractual obligations for the Division's WTP Evaluation. We've enjoyed working with you on this very important project, and we look forward to working with you again the future.

Very truly yours,

Patrick D. Hughes, P.E.
Senior Vice President
Camp Dresser & McKee Inc.

cc: Michael Annarummo, Carol Lariviere (City of Woonsocket)
Jack Keaney, Kathy Mello (CDM)

Woonsocket Water Division WTP Evaluation - Final Report

Contents

Section 1: Background

1.1	Purpose of Project.....	1-1
1.2	Report Organization.....	1-1

Section 2: Water Treatment Goals

2.1	Regulatory Requirements.....	2-1
2.1.1	Existing Water Quality Regulations	2-1
2.1.2	Future Water Quality Regulations.....	2-2
2.2	Woonsocket Goals	2-2
2.2.1	Water Quality.....	2-3
2.2.2	Production Capacity	2-3
2.3	Disinfection Profiling	2-4

Section 3: Bench-Scale and Pilot-Scale Testing

3.1	Bench-Scale Testing.....	3-1
3.1.1	Approach.....	3-1
3.1.2	Results.....	3-1
3.2	Pilot-Scale Testing.....	3-1
3.2.1	Season 1.....	3-2
3.2.1.1	Key Findings	3-2
3.2.2	Season 2.....	3-3
3.2.2.1	Key Findings	3-3
3.2.3	Conclusions	3-4
3.3	Recommended Process Train.....	3-5
3.3.1	Cost.....	3-6
3.3.2	Non-Cost Factors.....	3-6
3.3.3	Engineering Judgment/Practical Experience.....	3-6
3.3.4	Treatment Goals	3-6
3.3.4.1	Oxidation.....	3-6
3.3.4.2	Taste and Odor	3-6
3.3.4.3	Pretreatment.....	3-7
3.3.4.4	Filtration	3-7
3.3.4.5	Primary Disinfection.....	3-7
3.3.4.6	Secondary Disinfection.....	3-7
3.3.4.7	Corrosion Control.....	3-8

Section 4: New WTP Site Constraints

4.1 New Site4-1
 4.1.1 Wetlands Delineation4-1
 4.1.2 Site Survey4-1
 4.1.3 Geotechnical Investigation.....4-1
 4.1.4 Concept for New WTP.....4-2

Section 5: Implementation Recommendations

5.1 Immediate Needs.....5-1
 5.1.1 Clearwells5-1
 5.1.2 Washwater Tank.....5-1
 5.1.3 Perifilters.....5-2
 5.2 Long-Term Needs5-3
 5.3 New WTP.....5-4
 5.3.1 New Construction5-4
 5.4 Planning Level Cost and Schedule.....5-4
 5.5 Alternative Delivery Approaches5-5
 5.6 Conclusion.....5-8

Appendices

Appendix A Technical Memorandum No. 1 – Projected Water Demands
Appendix B Technical Memorandum No. 2 – Conceptual Process Selection
Appendix C Disinfection Profiling
Appendix D Technical Memorandum No. 3 – Bench -Scale Evaluation
Appendix E Season 1 Pilot Testing Program
Appendix F Season 2 Pilot Testing Program
Appendix G Technical Memorandum No. 4 – Site Assessment
Appendix H Structural Evaluations

Section 1

Background

1.1 Purpose of the Project

The purpose of this project was to conduct an evaluation of a new water treatment plant for the City of Woonsocket's Water Division (WWD). The project consists of 7 major tasks:

1. Determine WWD future demands and water needs,
2. Determine water quality goals and develop a process concept for a new facility,
3. Conduct preliminary alternative process testing (bench-scale),
4. Conduct pilot-scale alternative process testing,
5. Assess Old Pump Station Site for new facility
6. Develop new facility layout
7. Develop costs of new facility

The following Report summarizes these evaluations and subsequent recommendations, and references the various reports and technical memoranda that were prepared for the particular tasks.

1.2 Report Organization

The purpose of this report is to provide a summary of the work presented within the four technical memoranda and two pilot-scale evaluations that are included in the appendices. Report Appendices are attached as separate documents and are referenced throughout this document. Detailed information for all project tasks are included within the appendices.

The report is organized as follows:

- Section 2 summarizes the water treatment goals in terms of both the regulatory and WWD's perspectives. This section also contains disinfection profiling information.
- Section 3 summarizes the bench and pilot-scale alternative process testing.
- Section 4 summarizes WTP site constraints including site survey and subsurface investigations.
- Section 5 summarizes CDM's implementation recommendations and includes the recommended process train, conceptual site layout, planning level cost estimate and schedule.

Section 2

Water Treatment Goals

The selection of successful water treatment facilities requires that the WWD's major goals be identified and eventually translated into design criteria. The recommended goals for success are as follows:

- Water Quantity - Meet the City's current and future water supply needs through the year 2020.
- Water Quality - Provide drinking water that complies with all existing and pending drinking water standards.
- Reliability - Design the new treatment facility with adequate redundancy and operational flexibility to maintain a reasonable and safe supply of drinking water.
- Fiscal Responsibility - Supply drinking water at the most competitive cost possible.
- Safety - Provide a safe working environment that meets current regulations, codes and safety standards.
- Holistic Approach - Consider the overall needs of the water division including efficient location and management of personnel and capital.
- Public Image - Deliver an aesthetically pleasing and good tasting water while presenting a positive image of the Woonsocket Water Division to its customers and neighbors.

2.1 Regulatory Requirements

Drinking water regulations address two principal issues: microbial risks and chemical risk. Microbial risks stem from two sources: pathogens present in the source water and opportunistic pathogens, typically bacteria that tend to grow in the distribution system. Diseases of concern from source water include giardiasis and cryptosporidiosis, while opportunistic bacterial pathogens include Legionella (which causes Legionnaires disease), Mycobacterium avium infections, and other organisms which cause gastrointestinal upsets. Chemical risks include reproductive effects, neurological effects, and cancer. The chief areas of concern for chemical risks have to do with the compounds formed during disinfection of drinking water (termed disinfection by-products or DBPs) and trace metals associated with corrosion, primarily lead and copper.

Technical Memorandum No. 2: Conceptual Process Selection (**Appendix B**) was prepared in 2000 and contains water quality data and regulatory information.

2.1.1 Existing Water Quality Regulations

Below are the current water quality regulations that are in effect as of January 2004.

- Primary Drinking Water Standards (MCLs), including inorganic and volatile organic compounds (IOCs and VOCs), and synthetic organic compounds (SOCs).
- Secondary Drinking Water Standards (SMCLs)
- Surface Water Treatment Rule (SWTR)
- Interim Enhanced Surface Water Treatment Rule (IESWTR)
- Total Coliform Rule
- Stage 1 Disinfectants/Disinfection Byproducts Rule (D/DBPR) -- The portions of the Stage 1 D/DBPR applicable to the WWD are as follows.
- Lead and Copper Rule
- Arsenic Rule
- Radionuclides Rule
- Unregulated Contaminant Monitoring Rule (UCMR)
- Aldicarb Rule
- Perchlorate

2.1.2 Future Water Quality Regulations

Two future regulations that must be considered are:

- Stage 2 Disinfectants/Disinfection Byproducts Rule (D/DBPR), and
- Long Term 2 Enhanced Surface Water Treatment Rule (LT2ESWTR).

2.2 Woonsocket Goals

The WWD's mission includes four goals:

1. To provide high quality drinking water that protects public health and complies with all applicable standards
2. To produce adequate water supply in the most economically feasible and environmentally solid manner
3. To serve those areas in Woonsocket and adjacent communities that have contaminated private wells, or are otherwise in need of supply
4. To efficiently manage and protect its active and supplemental water resources.

2.2.1 Water Quality

In order to ensure the highest water quality, the treatment goals should be set to meet or exceed all existing and pending water quality standards. CDM recommends the following treatment goals for a new WTP:

- Turbidity - 0.15 NTU or less in 95 percent of the samples, never to exceed 0.5 NTU.
- Color - continuously less than 5 c.u. (color > 5 c.u. can readily be identified)
- TOC - 45 percent reduction from raw water concentration
- Taste and odor - unobjectionable
- Iron and Manganese - less than 0.1 mg/L and 0.05 mg/L, respectively.
- Trihalomethanes - less than 60 ug/L
- Haloacetic acid - less than 30 ug/L
- Giardia, Cryptosporidium, and viruses - 2.5 and 3-log respectively (note that the State DOH may require demonstration testing prior to granting removal credits)
- Total coliform - 0 MPN/100ml
- E. Coli - 0 MPN/100ml

2.2.2 Production Capacity

CDM conducted a detailed water demand analysis for the WWD, and established the following:

- Historical population trends and future population projections.
- Average consumption data for the residential, commercial/industrial and municipal sectors within the WWD service area. Non-revenue consumption was also noted.
- Historical average day, max day and peak hour flows, which were used to calculate projected average day and max days flows in 2030, as well as the storage required to handle distribution system hourly fluctuations, fire flow, and emergency storage requirements.

Historical census and water consumption data show a steady decline in residential and commercial sectors within the city of Woonsocket. While residential populations within the neighboring communities of Cumberland, North Smithfield, Bellingham and Blackstone continue to increase, the actual number of services within each of these communities is small compared to that within Woonsocket. Thus these

projected population increases will not have an appreciable effect on overall consumption rates.

There are currently no plans for any new significant commercial or industrial growth within the city of Woonsocket. In fact, industrial/commercial meter records show a decline in consumption since 2001. The average day consumption between 1995 and 2003 was used for future projections.

Projected average day and maximum day demands for the year 2030 are 4.75 mgd and 8.0 mgd, respectively. The WWD currently has adequate distribution storage to handle peak hour, fire, and emergency flows.

Currently, the city of Woonsocket and Town of North Smithfield are reviewing a draft agreement for a new interconnection. While the details of the proposed agreement are not known, any significant demand increases by North Smithfield could have a significant impact on the system average and maximum day demands, and thus the design capacity of the new WTP.

Technical Memorandum No. 1: Water Demand Projections (**Appendix A**) contains detailed water demand data.

2.3 Disinfection Profiling

Disinfection profiles were created for the WTP in accordance with the EPA Disinfection Profiling and Benchmarking Guidance Manual. Estimated log inactivations of Giardia and virus were profiled for 2003. The Giardia disinfection profile is presented graphically in **Figure 2-1**. Monthly profiling data is included in **Appendix C** of this Report. From the Giardia disinfection profile a benchmark of 3.06-log Giardia inactivation was established. Disinfection profiling was not required for viruses as the WWD does not intend to change its primary disinfectant from chlorine to ozone, chloramines, or chlorine dioxide.

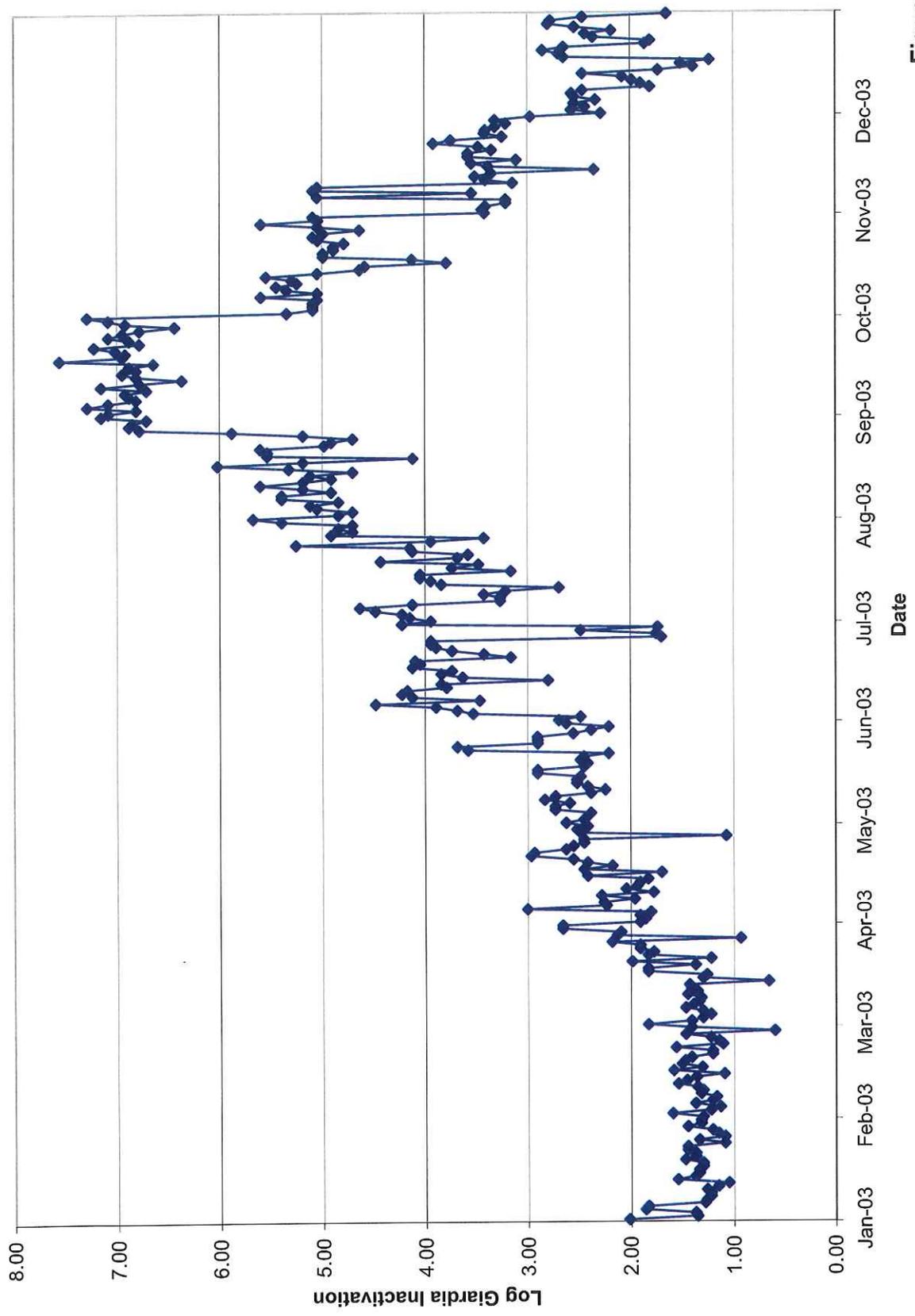


Figure 2-1
Woonsocket Water Division
WTP Evaluation
2003 Giardia Disinfection Profiling



Section 3

Bench-Scale and Pilot-Scale Testing

3.1 Bench-Scale Testing

In accordance with Task IV.3 of Amendment No. 2 to the Agreement between the City of Woonsocket and Camp Dresser & McKee Inc. (CDM), CDM conducted bench-scale tests as part of the preliminary process evaluation. Bench-scale testing was performed to evaluate alternative treatment processes, evaluate alternative coagulants, and define the need for pilot-scale testing.

The complete Technical Memorandum 3: Bench Scale Evaluation is located in **Appendix D**.

3.1.1 Approach

Bench-scale testing was scheduled for two seasons: autumn of 2000 and spring/summer 2001. CDM conducted the autumn bench-scale evaluation intermittently during the month of November. The summer evaluation was conducted intermittently between June 25th and July 20th. CDM analyzed:

1. Clarification via both sedimentation and flotation technologies
2. Alternative coagulants
3. Preoxidation with ozone

3.1.2 Results

Results from the bench-scale evaluation suggest that DAF is more effective than conventional sedimentation. Bench scale tests indicate that both aluminum sulfate (alum) and polyaluminum hydroxychlorosulfate (PACl) are effective coagulants. DAF was readily able to reduce color to the limit of 10 c.u.

Bench-scale results indicate that ozone is best suited as a preoxidant. Preozonation of the raw water prior to clarification resulted in substantial color reduction, which required less coagulant than non-ozonated water. Preliminary tests indicate that an increase in ozone dose above 1 ppm does not substantially impact color reduction.

3.2 Pilot-Scale Testing

Pilot testing was conducted in order to:

- Select a treatment train for a new water treatment plant on the basis of water quality goals, including meeting anticipated future drinking water regulations.
- Optimize the design of the new process, including an evaluation of chemical dosing requirements, pretreatment loading rates, filter loading rates, filter run lengths, cleaning and backwash requirements, and waste flowrates. These items directly

influence the physical size and configuration of the treatment plant, which in turn dictates the excavation, concrete, labor, and resulting cost of construction.

- Provide documentation to the Rhode Island Department of Health (DOH), including design criteria for the new plant, in accordance with DOH requirements.

Secondary objectives were to evaluate options for organics removal, manganese removal, disinfection by-product formation and control, and taste and odor control. CDM conducted two seasons of pilot-scale testing at the Woonsocket Water Treatment Plant.

The pilot testing goals included both water quality and production criteria. Water quality criteria are significant because the process must be able to consistently produce water with low turbidity and particle counts and to maximize pathogen removal. Water production is critical since it indicates the efficiency of the treatment process, and whether an adequate quantity of water can be produced to meet demand at a reasonable cost.

3.2.1 Season 1

CDM conducted Woonsocket's first season of piloting in autumn 2001. CDM operated, coordinated and supervised vendor supplied pilot-scale testing equipment and personnel. Two treatment trains were evaluated:

1. Dissolved air flotation (DAF) followed by granular activated carbon (GAC) gravity filtration (F.B. Leopold Company); and
2. Immersed membrane filtration (ZENON) with enhanced coagulation pretreatment¹.

Each process train operated for approximately one month treating raw water from a combination of Woonsocket's sources of supply. Due to scheduling conflicts the two treatment trains did not run concurrently.

3.2.1.1 Key Findings

The DAF pilot evaluation took place between October 12, 2001 and November 16, 2001. Pilot-scale tests indicate that DAF followed by GAC filtration is an effective treatment option. The process train included rapid mix, two-stage flocculation, dissolved air flotation, and gravity filtration through GAC filter media.

The immersed membrane pilot study took place between November 19, 2001 and December 20, 2001. Pilot-scale tests indicate that immersed membranes with

¹ Within this report, enhanced coagulation is defined as an additional pretreatment process for coagulation and flocculation with the purpose of removing organic matter and color. This treatment train did not include a clarification step. A more detailed description is located in Appendix E: Season 1 Pilot Testing Program.

enhanced coagulation performed well, with the exception that they did not readily achieve the required 45% TOC removal. The enhanced coagulation/membrane process train included rapid mix, flocculation, and immersed membrane filtration. This technology did not include a clarification process.

The raw water, at the time of these evaluations, was of relatively high quality and invariable. This uncharacteristically stable water quality can be attributed to the unusually dry conditions felt throughout New England during autumn 2001. Historical data indicates a tendency for more significant fluctuations in raw water quality, especially during wet weather events and seasonal transitions.

Natural organic matter (NOM) concentrations are normally quite variable, resulting in color levels that can measure up to 4 times higher than those experienced during the membrane pilot-scale evaluation. As a result, CDM did not recommend immersed membranes with enhanced clarification at the full-scale for this application, or for future evaluation. CDM recommended that all further membrane testing be performed downstream of a high-rate clarification process. This treatment protocol will provide a more comprehensive and synergistic treatment approach. With the introduction of pretreatment prior to filtration, pressure membranes as well as the immersed variety become viable alternatives.

The complete Season 1 Pilot-scale Evaluation is located in **Appendix E**.

3.2.2 Season 2

At the conclusion of the season 1 pilot investigation, CDM held a technical review committee (TRC) meeting, the goals of which were to review the pilot testing data and make recommendations for the season 2 pilot testing program. The resulting season 2 pilot testing program consisted of two process trains:

1. DAF followed by dual media GAC/sand gravity filtration; and
2. DAF followed by membrane ultrafiltration (UF).

These process trains were run concurrently during the summer of 2002.

3.2.2.1 Key Findings

The following conclusions are based from data obtained throughout the pilot study. It is important to note that the pilot study coincided with an abnormally dry weather period in New England. Rain events have a negative impact on Woonsocket's source water quality, as they result in elevated color levels.

- PACl was an effective coagulant in terms of removing color, turbidity, organics and particles. Although an 8 mg/L dosage was optimal within the pilot study, CDM recommends a coagulant system design based on about 16 mg/L. We base this on the fact that historically the WWD doubles its coagulant dose during high color

events. However, these events did not occur during the pilot study. PACl remained effective within a pH range of 7.5 – 8.5.

- Preoxidation of organics was not readily achieved with potassium permanganate.
- DAF loading rates between 4 and 8 gpm/sf did not significantly impact clarified water quality. CDM recommends the highest effective DAF loading rate of 8 gpm/sf.
- Two-staged flocculation with a total detention time of 11 minutes was adequate at a DAF rate of 8 gpm/sf.
- The dual media GAC (1.1 – 1.2 effective size)/sand filter was optimized at a loading rate of 5 gpm/sf. Limited testing indicated that the 1.2 – 1.3 mm GAC media filter met water quality goals and resulted in longer run times.
- The optimal membrane flux rate was 65 – 75 gfd.
- Manganese removal was achieved using potassium permanganate as a preoxidant at an elevated pH and a detention time of 10 minutes. The average source water manganese concentration during this study was 0.037 mg/L. At this concentration, a 0.15 mg/L KMnO₄ dosage was effective.

Manganese removal, as opposed to sequestering, is recommended because the new treatment process will incorporate an oxidation step for organics removal that can also be optimized to remove manganese.

Both the DAF/GAC and the DAF/UF treatment trains were able to treat Woonsocket's source water supplies during the pilot-scale evaluation.

The complete Season 2 Pilot-scale Evaluation is located in **Appendix F**.

3.2.3 Conclusions

After reviewing the season 2 pilot testing results, CDM determined that both the GAC/sand and the UF membranes were viable filtration options with DAF pretreatment. To make a final treatment train determination, CDM established specific treatment goals and the ranked process components that would best achieve them. Process selections were based on available pilot-testing data, compatibility with Woonsocket's source water, past experience, and engineering judgment. The resulting alternatives represent the most cost effective, comprehensive treatment options available to meet current and future environmental regulations, and produce an aesthetically pleasing drinking water supply to the City of Woonsocket. Two treatment alternatives are presented in **Table 3-1**.

Treatment Goal	Treatment Alternatives	
	1	2
	DAF Pretreatment and GAC or GAC/sand Filtration with UV and Preozone	DAF Pretreatment and Membrane Filtration
Oxidation (iron, manganese, color)	Ozone	Potassium permanganate (KMnO ₄) pH adjustment
Taste and odor control	Ozone	Powdered activated carbon
Pretreatment/clarification (TOC removal)	PACl or Alum/pH/alkalinity adjustment Rapid Mix, Flocculation, Dissolved Air Flotation	PACl Rapid mix, Flocculation, Dissolved Air Flotation
Filtration (3-log <i>Cryptosporidium</i> removal)	GAC or GAC/sand filters	Ultrafiltration membranes (UF)
Primary disinfection (3.0-log <i>Giardia</i> ; 1-log <i>Cryptosporidium</i> inactivation)	UV	
Primary Disinfection (4-log virus inactivation)	Chlorine	Chlorine
Secondary disinfection	Chlorine or chloramines	Chlorine or chloramines
Corrosion Control	Final pH adjustment, inhibitor	Final pH adjustment, inhibitor

Table 3-1
Treatment Process Alternatives

3.3 Recommended Process Train

The two treatment process alternatives were then analyzed in detail to make a final determination for the recommended future treatment plant. The alternatives were evaluated in terms of cost, non-cost factors, engineering judgment and practical experience, and treatment goals. (Refer to the Season 2 Pilot Testing Program in Appendix F.)

3.3.1 Cost

CDM prepared preliminary capital and operations and maintenance (O&M) cost estimates for the differential process components. The purpose was to determine if cost was a deciding factor between the two equivalent treatment trains. The costs prepared do not reflect the total cost of a new complete water treatment plant. Common process components such as effluent pumping, chemical storage, and clearwell storage were not included. Also omitted were common administrative components such as laboratory and office space.

CDM determined that the present worth cost of the two treatment alternatives was not a deciding factor as they were within 2 percent.

3.3.2 Non-Cost Factors

CDM and the WWD evaluated several non-cost factors. The factors were first weighted by importance. Then each factor was ranked in terms of its compatibility with each process. Deciding factors included whether a process was proprietary, the amount and type of residuals produced, and the level of operational skill required. In terms of non-cost factors, treatment Alternative No. 1 (DAF/GAC filtration) ranked slightly higher than Alternative No. 2 (DAF/UF).

3.3.3 Engineering Judgment/Practical Experience

While the pilot testing provided valuable information regarding process feasibility and design criteria, it is important to note that the source water quality experienced during both seasons of piloting was unusually high and invariable. The final process decision was based to a large degree on CDM's and WWD's engineering judgment and extensive practical experience.

3.3.4 Treatment Goals

3.3.4.1 Oxidation

Both ozone and potassium permanganate were tested at either the bench or pilot scale on Woonsocket's source water. Both oxidants proved to be effective at iron and manganese removal. Ozone provides an additional benefit of color and taste/odor removal.

3.3.4.2 Taste and Odor

CDM did not encounter any taste and odor events during either season of pilot testing. The WWD currently uses GAC filter media to mitigate taste and odor problems, which have been linked to the use of Harris Pond. Historically, the WWD has gauged taste and odor problems by customer complaints. The WWD has not received any customer taste and odor complaints since the GAC filters were put on line. The WWD does not analyze source water for taste and odor compounds such as MIB and geosmin. Therefore no historical or pilot test data is available to quantify the taste/odor problem. The WWD may want to consider implementing a regular

sampling program for taste and odor causing compounds (e.g. algae enumerations) to establish a history of source water quality.

Alternative 1 incorporates ozone for taste and odor control. The preozone dose required for manganese removal will also readily oxidize taste and odor compounds. Also, ozone in combination with GAC is known to provide the additional benefit of reducing DBP precursors. The second alternative incorporates powdered activated carbon (PAC). PAC application is a proven method for taste and odor removal, which can be cost effective in relatively small amounts and intermittent usage. The WWD has expressed a preference for ozone over PAC given ozone's multiple benefits. Using ozone within Alternative No. 2 is not a cost effective option. Alternatively, GAC was piloted extensively and it appears to adequately remove taste and odors within the WWD's current treatment plant.

3.3.4.3 Pretreatment

CDM concludes that DAF clarification is best suited for Woonsocket's source water supplies. Pilot testing revealed that the clarified water met all water quality goals. DAF proved effective at loading rates up to 8 gpm/sf and a flocculation time of 10 minutes.

3.3.4.4 Filtration

Both GAC filtration and UF membrane filtration produced a superior filtered water quality at the pilot scale. Both processes exceeded all filtered water quality goals, and both were able to run at cost effective loading rates and backwash/cleaning intervals. Both filtration technologies are viable options.

3.3.4.5 Primary Disinfection

Cryptosporidium and Giardia

Both UV and UF membranes are proven technologies for *Giardia* and *Cryptosporidium* inactivation (UV)/removal (UF).

Virus

Chlorine is the most effective means of achieving 4-log inactivation of viruses.

3.3.4.6 Secondary Disinfection

Both process alternatives can include either chlorine or chloramines. The WWD is currently in compliance with the EPA's Stage 1 Disinfectant/Disinfection By-Products Rule. DBP analyses indicate that THM and HAA formation will be within regulatory limits with either disinfectant. At present, there is no immediate need to implement chloramines as the secondary disinfectant. However, if chlorine is used, provisions should be made for potential future addition of ammonia for chloramines (e.g., space should be left in the building to accommodate a chloramine system in the event that DBP levels rise).

3.3.4.7 Corrosion Control

The WWD is currently in compliance with the EPA’s Lead and Copper Rule. The WWD will continue its current practice of final pH adjustment with a blended phosphate corrosion inhibitor.

CDM recommended Alternative No. 1 as Woonsocket’s future treatment train:

Unit Process	Process Design Criteria
<i>Plant Flow/Configuration</i>	8-10 mgd hydraulic capacity (includes 20% redundancy); 5 trains
<i>Oxidation</i> ■ Ozone	2 – 3 mg/L Side stream injection
<i>Pretreatment</i> ■ Rapid mix ■ Flocculation ■ Dissolved Air Flotation	Two-stage tapered flocculation (10 minutes) DAF loading rate: 8 gpm/sf Possible stacked configuration with filters
<i>Filtration</i> ■ Media ■ Effective size ■ Depth ■ Filtration rate	■ Dual media GAC ■ 1.0 – 1.2 mm ■ 60 inches Sand ■ 0.5 - 0.6 mm ■ 12 inches ■ 5 gpm/sf
Primary Disinfection (<i>Giardia</i> and <i>Cryptosporidium</i>)	Ultraviolet light (UV light not pilot tested)
Primary Disinfection (virus)	Chlorine
Secondary (Residual) Disinfection	Chlorine or Chloramines
pH adjustment/corrosion control (not pilot tested)	Lime/blended phosphate

Table 3-2
Summary of Process Design Criteria

Both treatment alternatives provided for the same degree of treatment and water production, and are capable of meeting existing and future regulations. The deciding factor for CDM and the WWD was source water quality including the fact that the water quality during the pilot testing was not indicative of typical conditions. Woonsocket has low turbidity, moderately colored waters, and organic content is a concern. Natural organic matter (NOM) provides the precursor material that can lead

to DBP formation. In addition algae blooms can lead to taste/odor episodes. The ozone/GAC filter/UV train is able to mitigate both of these problems.

Section 4

New WTP Site Constraints

4.1 New Site

Per the project scope outlined in Section 1 of this report, CDM assessed the Old Pump Station Site for a new water treatment plant. Subtasks within this assessment include:

- Review of previous evaluation of Reservoir No. 1 to determine possible site restrictions and/or construction limitations relating to the condition of the dam.
- Wetland and 100 year flood plain location
- Site survey including property bounds, topography and wetlands
- Development of existing conditions plan for use as site plan.
- Preliminary subsurface evaluation.

The complete Technical Memo No. 4: Site Assessment is located in **Appendix G**.

4.1.1 Wetlands Delineation

On September 26, 2001, a CDM Wetland Scientist delineated wetlands located in the vicinity of the overflow from the Reservoir No. 1 Dam located off Manville Road in Woonsocket, Rhode Island. Existing field delineated wetlands resource boundaries were evaluated for conformance with the U.S. Army Corps of Engineers 1987 Wetlands Delineation Manual (Environmental Laboratory, 1987). The wetland boundary was determined by the limit of wetland vegetation (limit of plant community dominated [50% or more cover] by species adapted to living in wetland conditions) by visual inspection, as well as indicators of hydric soils and wetland hydrology. Three (3) wetland areas were identified and flagged.

4.1.2 Site Survey

Meridian Engineering, Inc. conducted a partial site survey of the old pump station site in the autumn of 2001. The project was compiled at a scale of 1" = 40', and contours delineated at two feet. Elevations were based on the 1929 National Geodetic Vertical Datum (NGVD). The horizontal coordinate system is based on the Rhode Island State Plane Coordinate System (NAD83). Topography, site detail and surface improvements obtained from the site survey were augmented with an aerial topographic survey performed for the City in April 1995 by Col-East, Inc.

4.1.3 Geotechnical Investigation

Guild Drilling Co. drilled four borings at the proposed new facility location on September 6, 2002. Relatively shallow refusals at three borings may indicate either bedrock or a boulder. Given the past use of the proposed facility site (e.g. construction debris disposal), it is not unreasonable to surmise that the refusal depths

could be caused by rocks or boulders. Because of the limited information, CDM cannot conclusively assess the relative ease or difficulty of the associated excavation. Therefore we recommend additional subsurface investigations that extend below the full depths of the proposed structures. Based on the results of the preliminary subsurface investigations, rock coring may be required. Soil sampling and lead and arsenic analysis should also be conducted to determine the level of effort that will be required for removals. The WWD should conduct the subsurface investigation and soil analyses during the preliminary design stage to allow for optimal design and construction costs.

4.1.4 Concept for New WTP

Relatively steep grades are predominant within the existing conditions plan and make many of the areas difficult for construction. Preliminary investigations indicate that an ideal location for a new facility is located within the Town of North Smithfield, to the west of Gravel Drive in the vicinity of the existing police shooting range. The relatively gradual topography at this location would be amenable for the construction of the new water treatment plant. Preliminary plant layouts indicate that this location will also allow for gravity flow from the blending chamber and Reservoir 1 into the new plant. Gravel Drive could be used as an access road. A new facility site plan is included at the end of this section.

Section 5

Implementation Recommendations

5.1 Immediate Needs

In March of 2002, Robert L. Merithew, Inc. (Merithew) and Thielsch Engineering Inc. (Thielsch) performed inspections of the major treatment structures at the existing WTP. Merithew evaluated existing Clearwells 1 and 2 and the wash water tank and Thielsch conducted an inspection and engineering evaluation of Perifilter No. 1. These four structures were evaluated for structural integrity and anticipated life expectancy. Complete Structural Evaluations from Merithew and Thielsch are located in **Appendix H**.

The original steel tankage at the WWD's existing WTP is over 40 years old. While the WWD has conducted regular operations and maintenance procedures, the steel tanks are approaching the end of their useful life. CDM agrees that with substantial rehabilitation, the tanks could last for an extended period of time. However, CDM cautions the WWD of the inherent limitations of structural evaluations of steel tanks on concrete slabs. While most areas of the tanks are accessible for evaluation, the bottom exteriors that sit on the concrete slabs are not reachable. Given the tank age, the only way to ensure that the tank bottoms will last for an additional 15 - 20 years is to weld new bottoms to the tanks. This is a very expensive repair, and is above and beyond the rehabilitation work outlined and quoted within the structural evaluations. Interim repairs are required for all steel tanks to maintain operations of the existing treatment process and storage tanks beyond the next 1 - 3 years. The WWD should understand that further rehabilitation that could be costly in nature may be required to keep the tanks in service for an extended period of time, regardless of the repairs that are outline in the structural evaluations.

5.1.1 Clearwells

The estimated life expectancy of Clearwells 1 and 2 without any remedial work was 3 to 5 years in 2002. Recommended maintenance includes complete sandblasting and painting of the interiors and exteriors of both tanks. In addition, pit and plate welding should be conducted on the tank interiors as required. Merithew provided cost estimates of \$128,000 for the interior work and \$117,000 for the exterior work. These estimates are in 2002 dollars; based on ENR indices, the estimated cost in 2004 dollars is \$270,000. Merithew estimates that rehabilitation could extend the life of the structures to 15 to 20 years of additional service.

5.1.2 Washwater Tank

The estimated life expectancy of the washwater tank, without any remedial work, was estimated to be 3 to 5 years in 2002. Recommended maintenance includes complete sandblasting and painting of the interior and exterior of the tank. In addition, pit and plate welding should be conducted on the tank interior as required. Merithew provided cost estimates of \$77,600 for the interior work and \$68,100 for the exterior

work. These estimates are in 2002 dollars; based on ENR indices, the estimated cost in 2004 dollars is \$160,200.

5.1.3 Perifilters

Perifilter No. 1 was inspected while it was off-line for regular maintenance. Inspections should also be performed on Perifilters Nos. 2 and 3. The estimated life of Perifilter No. 1 was estimated for each of 4 courses. Two of the four courses had an estimated useful life based on leaking and structural integrity of about 20 years. The remaining two courses, however, were assigned an estimated useful life based on leaking and structural integrity of 4+ years. Conversations with Thielsch in 2002 indicated that without any remedial work to halt the measured corrosion rate, through-wall leaks could occur within 5 years, but with recommended maintenance and regular inspections the life expectancy could be increased to as much as 10 to 20 years.

Thielsch's recommendations include:

- Sandblast and install new coating system on tank interior
- Pit weld as required on the second shell course, and inner and outer shells, including the wall at the carbon filter area.
- Prepare and re-coat floor plates in the annular space under the filter assembly
- Install new coating on the failing concrete floor in the center portion of the tank
- Conduct grading to remove dirt from the chime area and to insure proper drainage from the tank
- Repair areas of cracking and deteriorated concrete around the tank.

Thielsch also provided a recommended inspection schedule based on the assumptions that the recommended improvements as outlined in their report are performed:

- March 2004: External inspection of the tank, including ultrasonic thickness survey of the shell,
- Annual: visual inspection, and
- By March 2012: Internal inspection (assuming that recommended repairs are accomplished (2002)).

A written estimate was not provided by Thielsch for their recommended improvements. An allowance of \$500,000 (2002 dollars) was estimated for the rehabilitation of Woonsocket's three Perifilters based on discussions with Thielsch and CDM's cost estimating group. Based on ENR indices, the estimated cost in 2004

dollars is \$550,000. This cost does not include filter media removal/replacement. Actual rehabilitation costs will be based on conditions encountered in the field (e.g., number and extent of spot welds needed, etc).

5.2 Long-Term Needs

This study was initiated because the WWD will need to undertake construction of a new WTP to continue meeting regulatory and reliability goals. Specific concerns with the existing plant are its age, past problems meeting regulations, and increasingly stringent regulations. These issues are summarized below:

Age

With regular maintenance, it is estimated that the WWD's current WTP could have another 7 – 20 years of useful life in terms of both treatment and regulatory requirements, and structural integrity, if recommended maintenance is conducted soon.

Regulatory Requirements

The plant can currently meet all regulatory requirements. This is due, in large part, to the fact that the plant's average day flow is about half of the WTP design capacity. Clariflocculators are very susceptible to temperature effects in fall and spring. Previous analyses have shown that temperature variations of as little as 1.5 degrees Celsius can result in an upset of the sludge blanket causing floc carryover onto the filters. In the event that a sludge blanket disruption is detected in one of the perifilters, WWD personnel immediately reduce the hydraulic loading rate to that unit until the sludge blanket re-stabilizes. The balance of the flow is diverted to the remaining two perifilters. This can only be achieved because the WTP is operating at a rate that is less than its design capacity. In the event that more than one sludge blanket is disrupted, the ability of the plant to meet regulatory requirements such as turbidity is significantly compromised.

The next anticipated water quality standard that could impact the WWD's ability to meet finished water requirements is the Long Term 2 Enhanced Surface Water Treatment Rule (LT2ESWTR). The LT2ESWTR applies to all public water systems whose source water supply is a surface water or ground water under the influence of surface water. Six months after promulgation monthly monitoring of source water(s) will be used to characterize the source water. Based on the concentrations of *Cryptosporidium* found, the levels of additional removal beyond that provided by conventional treatment will be identified.

In the event that the WWD's monthly source water monitoring indicates the presence of *Cryptosporidium* in concentrations greater than or equal to 0.075/L, additional treatment may be required to achieve required removals, effective approximately 2011.

In summary, the existing plant is ageing and requires replacement. While the plant is meeting current drinking water regulations, new treatment processes are needed to meet future regulations and will provide high quality, reliable drinking water. A process train was recommended (see Section 3).

5.3 New WTP

Based on water demand projections, the recommended new plant design capacity is 8 MGD (maximum day flow), with 20% redundancy (based upon a 5-train configuration), for a total hydraulic capacity of 10 MGD. The recommended process train can be constructed as a new WTP at a new site.

5.3.1 New Construction

A conceptual site layout of a new WTP located next to that of the WWD's old pumping station off Manville Road was prepared and is at the end of **Section 4** of this report. Source water would flow by gravity from the existing blending chamber to the head of the plant. Unit processes and process design criteria are summarized in Table 3-2 in Section 3.

The proposed plant location is on the existing police shooting range, with wetlands to the north, and steep contours to the west and south. Because of the current land use, the potential for extensive hazardous waste (lead and arsenic) removal exists. Soil samples should be analyzed during preliminary design for lead and arsenic concentrations. Coordination with the police will be required to ensure that they can adequately plan for alternate training sites. Time and effort will also be required for wetlands permitting.

Preliminary hydraulic calculations indicate that source water will flow by gravity for about 400 feet from the existing blending chamber to the proposed new WTP location. Water will continue to flow by gravity through the plant to a new clearwell. Finished water will then be pumped into the distribution system.

5.4 Planning Level Cost and Schedule

Cost estimates were developed by CDM's cost estimating group using Timberline cost estimating software, CDM's extensive database, and vendor quotes. Costs are in 2004 dollars and are not escalated. Costs are based on a traditional design, bid, construction approach and are for a new WTP at the new site.

The estimated planning-level cost for a new WTP as outlined in Table 3-2 (Section 3), at the new site is \$20 M. The estimated costs include engineering, construction, and contingency. Allowances for lead and arsenic removal and wetlands permitting have been included within these costs. This project's scope did not include extensive borings/subsurface investigations. The borings taken indicate shallow rock which could impact the cost of construction. Complete boring information is located in

Appendix G. A thorough subsurface investigation should be conducted early in the design phase.

Planning level costs include the following:

- Treatment process equipment and buildings
- Effluent pump station
- Prestressed concrete clearwell (0.5 million gallons)
- Administrative area
- Chemical feed and storage
- Mechanical and electrical
- Site Work and yard piping
- Instrumentation and control
- Lead and arsenic removal
- Wetlands permitting

Costs that were not factored include:

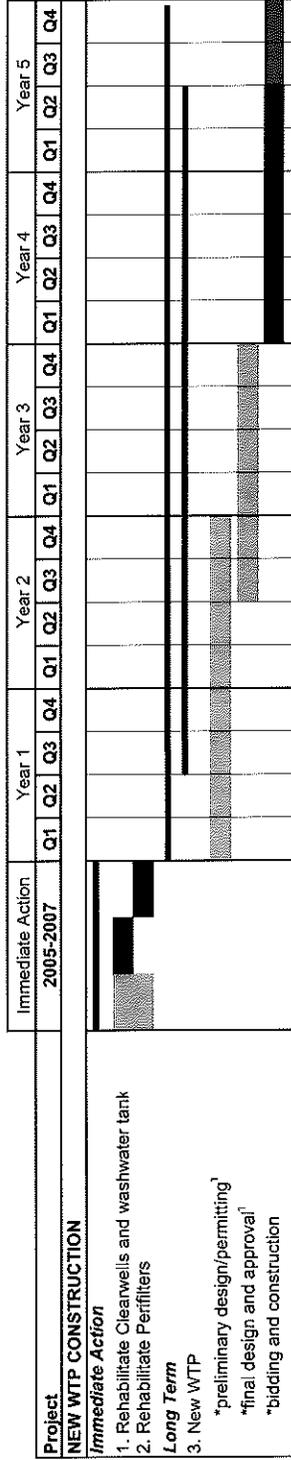
- Demolition of the existing WTP
- New effluent transmission line from the new WTP location to the existing 30-inch finished water transmission line at the exiting WTP location.

Costs were estimated for the immediate improvements: rehabilitation of the existing clearwells, washwater tank, and perifilters. Costs obtained in 2002 were adjusted to 2004 dollars. The total cost for all improvements outlined within the Merithew and Thielsch evaluations is estimated to be \$980,000. The costs do not include filter media removal/replacement, and any unknown issues that could have a substantial impact on the complete rehabilitation of these structures.

A schedule of project duration is included in **Figure 5-1**.

5.5 Alternative Delivery Approaches

Traditionally, municipalities and public entities have implemented construction projects in a three step process: design, bid, and construction. In many states, bidding of public projects is required for a host of reasons including to ensure a reasonable cost and a defined quality product. The design step results in a detailed final design that specifies exactly what is to be built. The design is then publicly



■ Study/Planning and/or Design
 ■ Bidding and Construction

NOTES:
 1 Conservative design schedule based on potential permitting delays

Figure 5-1
 Woonsocket Water Division
 WTP Evaluation
 Project Schedule

advertised, and competitive, sealed bids for the construction are received. Lastly, the successful bidder performs the construction, adhering to the design documents and construction bid.

Recently, a number of communities across the country have sought to implement new construction projects through an “alternative delivery mechanism.” These mechanisms may include design-build or design-build-operate. In these cases a single entity will be responsible for all aspects of design and construction (DB) or design, construction, and operation (DBO).

The conceptual advantages of these alternative approaches include the following:

- Theoretical single point of responsibility so that the Owner can always point to a single entity to rectify problems.
- The timeline for implementing a project can be shortened since the process eliminates one or two rounds of bidding. DB or DBO also frequently shortens the design phase since construction is frequently taken from 50 to 75 percent design drawings rather than 100 percent design. In the case of Woonsocket, the level of design also depends upon Rhode Island’s Departments of Health (RIDOH) and Environmental Management (RIDEM).
- In the case of DBO, the project developer has long-term responsibility so will develop a project that minimizes the life-cycle costs of the project.
- In the case of DBO, the contracting out of the operations piece can offer technical and financial benefits. Many communities find it difficult to staff and maintain staffs technically competent to operate facilities that are more complicated. However, it should be noted that the WWD does not anticipate problems in regards to staffing and operating a new WTP. In addition, operations contractors can provide financial benefits since they are able to “amortize” specialty staff (e.g., maintenance experts or laboratory), over multiple facilities and do not dedicate them to a single facility.

There are also some complications and potential disadvantages to the alternative delivery approach. These include:

The Owner must obtain significant legal, technical and engineering consulting assistance to ensure that it obtains the deal it is seeking for a defined price.

Obtaining such services is also critical to ensuring that the Owner does have a valid contract with a single point of responsibility for all foreseeable issues. These contracts have been shown to exceed \$1,000,000 for procurement services as an add-on to the cost of project implementation.

The Owner will end up with less direct control over the long-term quality of the project. Since DB and DBO contracts are typically issued based on conceptual designs

(as opposed to final detailed designs), it can be difficult to ensure that the Owner gets the construction materials and redundancy that is necessary. During the course of the contract (in a DBO) that may not be an issue if the contracts are properly crafted, but it may present issues for the Owner when it is time to re-bid the contract. For instance, structures associated with conventional water treatment facilities have shown to last over 50 years due to construction materials and methods with high value and long-term benefit. The objectives of the DB or DBO firm are more near term and typically result in materials and methods which are targeted for a 20 years level of service. Additionally, facility flexibility, redundancy and operability are less of a priority to a DB/DBO facility than a conventional procurement.

The results associated with the alternative delivery have been mixed. It has become common practice in the private sector but continues to struggle in the public sector. If the City is interested in pursuing this option, a more detailed review could be undertaken. However, the only way to obtain an accurate understanding of the financial implications is to undertake dual procurements (conventional vs. alternative) around a detailed set of performance specifications. The decision to pursue conventional versus alternative implementation is then made at the approximately 30 percent design mark once DB or DBO proposals have been received and evaluated. This in itself is a complex process.

5.6 Conclusion

As stated above, the existing Woonsocket water treatment plant is in need of rehabilitation and ultimately replacement. CDM and subconsultants conducted evaluations of the major structures and determined the rehabilitation requirements and useful remaining life with and without rehabilitation. If the plant is to remain operational for any period of time, the City must proceed with rehabilitation recommendations.

Next, the City defined water treatment goals, including meeting current and pending regulations, capacity, reliability, redundancy and others. Considering these goals, as well as the raw water quality of the City's water supplies, CDM conducted a series of bench-scale and pilot-scale evaluations culminating in a recommended process train for Woonsocket.

CDM recommends that the City construct a new water treatment plant at the City-owned property below Reservoir No. 1 in North Smithfield. CDM conducted a cursory investigation to determine if phased construction of a new WTP at the existing WTP site is feasible. Preliminary findings indicate that this may be a possible option, however the level of complexity and costs associated with this option have not been investigated. Therefore, a cost comparison of this option with the cost of a new plant cannot be made at this time to determine whether a phased construction of a new plant at the existing WTP is a viable option. A staged construction approach at the existing WTP location would require a detailed design with a very strict construction schedule.

Another variable is the procurement approach, whether design-bid-build (traditional) or design-build. Both approaches have advantages and disadvantages, and significant approvals from RIDOH are required.

In conclusion, the City needs to proceed with the most immediate remedial work on the structures, prior to implementing a new water treatment plant with the recommended process train.

THIELSCH ENGINEERING, INC.
195 FRANCES AVENUE
CRANSTON, RHODE ISLAND 02910

MARCH 2011

INSPECTION AND ENGINEERING EVALUATION OF
ABOVE GROUND STORAGE TANKS
CHARLES G. HAMMAN WATER TREATMENT FACILITY
WOONSOCKET, RHODE ISLAND



Ara Nalbandian P.E.



Peter Kennefick



Erin Aliberti

May 17, 2011

Report No. 13630 Rev. 1

TABLE OF CONTENTS

	Page
Executive Summary	i
Introduction	1
March 2011 Inspection	1
Unit No. 1 Filtration Tank.....	1
Unit No. 3 Filtration Tank.....	3
Clearwell Tank No. 1	5
Clearwell Tank No. 2	6
Wash Water Tank	7
Conclusions and Recommendations.....	8

Appendix A – Nondestructive Examination Reports - Filtration Tanks

Appendix B – Nondestructive Examination Reports - Clearwell Tanks

Appendix C – Nondestructive Examination Reports - Wash Water Tank

EXECUTIVE SUMMARY

In March of 2011, Thielsch Engineering performed an inspection of the Unit Nos. 1 and 3 Filtration Tanks, Clearwell Tanks No. 1 and 2, and the Wash Water Tank located at the Charles G Hammann Water Treatment Plant in Woonsocket, Rhode Island. The "In Service" inspection included an external visual examination of all the tanks as well as ultrasonic thickness measurements performed from the outside diameter.

The paint coating has failed on the Clearwell Tanks, with heavy staining apparent. The visual examinations revealed areas of active corrosion on the external shell of these tanks with rusting observed on the other tanks to a lesser extent.

The concrete ring walls exhibited significant cracking and spalling with several locations recommended for repair.

Ultrasonic thickness measurements were performed on the exterior shell plates of all of the tanks. The measurements were uniform per specified shell course and did not reveal any significant thinning conditions as compared to the nominal thicknesses.

Component	Examination Type	Results	Recommendation
Unit No. 1 Filtration Tank (External Containment Shell)	VT, UTT	<p>The external concrete foundation around the circumference of the tank revealed cracking.</p> <p>Moderate paint coating failure was observed specifically along the lower shell course.</p>	<p>Monitor the external concrete foundation cracking during scheduled facility maintenance.</p> <p>Monitor paint coating during scheduled facility maintenance</p> <p>Clean and re-coat the areas of external corrosion within the next three years.</p>

Component	Examination Type	Results	Recommendation
Unit No. 1 Filtration Tank (External Containment Shell) (Cont.)	VT, UTT	The ultrasonic thickness measurements performed on the shell case provided consistent results.	API Fitness For Service assessment determined prior (2002) tank shell measurements satisfactory. Perform an internal "Out of Service" after five years of continued service (2016).
Unit No. 3 Filtration Tank (External Containment shell)	VT, UTT	<p>The external concrete foundation around the circumference of the tank revealed cracking.</p> <p>Minor paint coating failure was observed at foundation area.</p> <p>The ultrasonic thickness measurements performed on the shell courses provided consistent results.</p>	<p>Monitor the external concrete foundation cracking during scheduled facility maintenance.</p> <p>Perform an internal "Out of Service" inspection after five years of continued service (2016).</p>
Clearwell Tank No. 1	VT, UTT	<p>Areas of active corrosion were observed throughout the exterior of the shell.</p> <p>The external concrete foundation exhibits significant cracking /spalling around circumference of the tank.</p> <p>The ultrasonic wall thickness measurements performed on the shell courses provided consistent results.</p>	<p>Clean and re-coat the areas of corrosion within three years.</p> <p>Schedule repairs for external concrete foundation cracking within next 12 months.</p> <p>Perform similar "In Service" inspection after five years of continued service (2016).</p>

Component	Examination Type	Results	Recommendation
Clearwell Tank No. 2	VT, UTT	<p>Areas of active corrosion were observed throughout the exterior of the shell.</p> <p>The external concrete foundation exhibited severe cracking /spalling around circumference of the tank.</p> <p>The ultrasonic wall thickness measurements performed on the shell course provided consistent results.</p>	<p>Clean and re-coat the areas of corrosion within three years.</p> <p>Schedule repair of external concrete foundation ring within the next 12 months.</p> <p>Perform a similar "in Service" inspection after five years of continued service (2016).</p>
Wash Water Tank	VT, UTT	<p>Moderate paint coating failure and corrosion noted throughout the tank.</p> <p>Ultrasonic wall thickness measurements performed on the shell plates provided consistent results.</p>	<p>Clean and re-coat areas of corrosion within next five years of service.</p> <p>Perform similar "In Service" inspection after five years of continued service (2016).</p>
Examination Types			
VT = Visual Examination		UTT = Ultrasonic Thickness Examination	

INTRODUCTION

During the week of March 28, 2011, Thielsch Engineering performed an inspection of the Unit Nos. 1 and 3 Filtration Tanks, Clearwell Tanks No. 1 and 2, and the Wash Water Tank located at the Charles G. Hammann Water Treatment Plant in Woonsocket, Rhode Island. This represents a reinspection of the Unit No. 1 Filtration Tank and the first inspection of Clearwell Tanks No. 1 and 2, the Wash Water Tank and the Unit No. 3 Filtration Tank performed by Thielsch Engineering.

MARCH 2011 INSPECTION

The inspection consisted of detailed visual examinations of all five above ground storage tanks, their concrete foundations, and ultrasonic wall thickness measurements on the shells and roofs (the roofs were not inspected on the Filtration tanks). All examinations were conducted from the outside diameter; no entry into these tanks was made during this project. The examinations were performed in accordance with the API 653 Guidelines for an "In Service" inspection.

UNIT NO. 1 FILTRATION TANK

Visual Examination

The external shell in the case of the Unit No. 1 Filtration Tank represents the outer containment shell with the filter inner walls inside of this shell. The external shell does contain water during normal operations.

The visual examination of the external shell revealed minor paint coating failure and staining concentrated to the lower shell course. Significant pitting or heavy corrosion was not observed in the areas of this staining. This tank design does not have a bottom plate extension or "chime ring" at the shell to floor joint as in typical above ground storage tanks. A copy of the 1958 Metcalf and Eddy drawing of the filtration

tanks is provided in Appendix A. The chime ring cannot clearly be discerned on this drawing.

The concrete foundation ring outside of the external shell exhibited significant cracking and spalling; see Figs. 1 and 2. This condition was observed in 2002; however, it has worsened in the intervening nine years.

Banding and deformation of the external containment shell was noted along the lower course adjacent to the south manway; see Fig. 3. This inward buckling deflection was 1-1/8" over a three foot length, which is beyond the API 650 Section 5.5.4 Local Deviations of (1/2") for new construction at horizontal weld joints. No shell thinning or cracking was revealed at this location. It is recommended that this area be monitored during future inspections.

Ultrasonic Wall Thickness Measurements

Ultrasonic thickness measurements were recorded on the external shell every two feet, at eight equi-distance locations around the tank circumference. The table below provides a summary of the data in comparison to the nominal and minimum required thicknesses as well as previously recorded field data. The complete thickness data from 2011 is provided in Appendix A.

	Nominal Thickness	Minimum Required Thickness	2002 Measured Avg.	2002 Measured Min.	2011 Measured Avg.	2011 Measured Min.	Remaining Corrosion Life
Shell Course 1	0.625"	0.342"	0.609"	0.585"	0.607"	0.600"	20 + yrs.
Shell Course 2	0.500"	0.257"	0.465"	0.367"	0.500"	0.490"	20 + yrs.
Shell Course 3	0.375"	0.202"	0.306"	0.242"	0.377"	0.370"	20 + yrs.
Shell Course 4	0.250"	0.141"	0.250"	0.241"	0.254"	0.245"	20 + yrs.

There are apparent discrepancies from the 2002 data and the 2011 data, with the 2nd and 3rd courses average and minimum measured recorded shell thicknesses being lower in 2002. In addition, the "B" Scan ultrasonic device utilized in 2002 would not be able to determine the difference between a full wall thickness measurement and that produced by a mid wall lamination or inclusion in the plate material. This may also explain several of the non-pitting disparities. This is suspected to be related to the 2002 wall thickness measurements being targeted at the pitting/corrosion locations identified during the internal visual inspections at that time. Photographs of the isolated corrosion pitting identified along the inside diameter are provided in TEI Report 10010 and Appendix A. The 2011 external shell thickness measurements did not reveal any significant thinning or appreciable wall loss, even at the estimated locations of the 2002 internal inspections. Therefore, with the 2011 data the remaining corrosion life estimates extend well beyond 20+ additional years.

Given the disparity between these two separate inspections, Thielsch Engineering has applied the API 579 Fitness for Service criteria for "Assessment of Pitting Corrosion" using the worst case data from the 2002 inspection (Shell Course 2). The Level I Assessment determined that the pitting condition does not affect the integrity of the Unit No. 1 Filtration Tank and no change to the maximum fill height or operation is required. A summary of the assessment is provided in Appendix A.

Taking into account the new data and the results of the fitness for service analysis of the 2002 worst case data, Thielsch Engineering feels comfortable in extending the "out of service" internal inspection out for an additional five year time frame.

UNIT NO. 3 FILTRATION TANK

Visual Examination

The external shell in the case of the Unit No. 3 Filtration Tank represents the outer a containment shell with the filter inner walls within the tank. The external shell does contain water during normal operations.

The visual examination of the external shell found the paint coating in good condition with minor rusting at the base. There was no signs obvious distortion or mechanical damage to the shell. This tank design does not have a bottom plate extension or chime ring at the shell to floor joint as in typical above ground storage tanks, original tanks. A copy of the 1958 Met Calf and Eddy drawing of the filtration tanks does not clearly discern a chime ring extension.

The concrete foundation ring outside of the external shell exhibited isolated instances of cracking and spalling; see Figs. 4 and 5. These were not as severe as the Unit 1 Filtration Tank and only require monitoring at this point.

Ultrasonic Wall Thickness Measurements

Ultrasonic thickness measurements were recorded on the external shell every two feet, at eight equi-distance locations around the tank circumference. The table below provides a summary of the data in comparison to the nominal and minimum required thicknesses. The complete thickness data from 2011 is provided in Appendix B.

	Nominal Thickness	Minimum Required Thickness	2011 Measured Avg.	2011 Measured Min.	Remaining Corrosion Life
Shell Course 1	0.625"	0.342"	0.613"	0.604"	20 + yrs.
Shell Course 2	0.500"	0.257"	0.524"	0.515"	20 + yrs.
Shell Course 3	0.375"	0.202"	0.392"	0.383"	20 + yrs.
Shell Course 4	0.250"	0.141"	0.260"	0.251"	20 + yrs.

The 2011 external shell thickness measurements revealed no significant thinning or wall loss. All values were in line with the reported nominal thickness per shell course. The remaining corrosion life estimates are well beyond 20 additional years.

CLEARWELL TANK NO. 1

Visual Examination

The external visual examination of Clearwell Tank No. 1 found the paint coating to be deteriorated with staining and corrosion noted throughout the entire surface of the shell. The heaviest staining appears to be related to product coming out of the overflow vents at the roof line.

The "chime ring" extension appears to be properly designed; however, at multiple locations the concrete foundation has cracked and spalled under the ring exposing it to heavy underside of corrosion. It is recommended that the concrete foundation be repaired within the next twelve months. Overall exterior photographs of the areas of inspection are provided in Figs. 6 through 8.

Ultrasonic Wall Thickness Measurements

Ultrasonic thickness measurements were recorded on the external shell every two feet, at eight equi-distance locations around the tank circumference. Thickness measurements were recorded in an "X" pattern on the roof section. Original design data was not available at the time of this inspection; estimations related to dimensions have been made in determining shell plate thickness requirements. The table below provides a summary of the data in comparison to the expected nominal and minimum required thicknesses data. The complete thickness data from 2011 is provided in Appendix B.

	Nominal Thickness (Assumed)	Minimum Required Thickness	2011 Measured Avg.	2011 Measured Min.	Remaining Corrosion Life
Shell Course 1	0.375"	0.204"	0.327"	0.313"	20+ yrs.
Shell Course 2	0.375"	0.0942" (0.100")	0.330"	0.324"	20 + yrs.
Roof Plate	0.500"	0.090"	0.487"	0.467"	20 + yrs.

The shell plate thickness data was very consistent with no obvious signs of significant wall loss. All measured values were well above API required thickness and project to more than 20 years of remaining corrosion life.

Nondestructive examination reports are provided in Appendix B.

CLEARWELL TANK NO. 2

Visual Examination

The external visual examination of Clearwell Tank No. 2 found the paint coating to be deteriorated with staining and corrosion noted throughout the entire surface of the shell. The staining appears to be related to product coming out of the overflow vents at the roof line.

The "chime ring" extension appears to be properly designed, however at multiple locations the concrete foundation has cracked and spalled under the ring, exposing it to heavy corrosion. It is recommended that the concrete foundation be repaired within the next 12 months. Overall exterior photographs of the inspection areas are provided in Figs. 9 through 11.

Ultrasonic Wall Thickness Measurements

Ultrasonic thickness measurements were recorded on the external shell every two feet, at eight equi-distance locations around the tank circumference. Thickness measurements were recorded in an "X" pattern on the roof section. Original design data was not available at the time of this inspection; estimations related to dimensions have been made in determining shell plate thickness requirements. The table below provides a summary of the data in comparison to the expected nominal and minimum required thicknesses data. The complete thickness data from 2011 is provided in Appendix B.

	Nominal Thickness (Assumed)	Minimum Required Thickness	2011 Measured Avg.	2011 Measured Min.	Remaining Corrosion Life
Shell Course 1	0.375"	0.204"	0.334"	0.322"	20+ yrs.
Shell Course 2	0.375"	0.0942" (0.100")	0.330"	0.311"	20 + yrs.
Roof Plate	0.500"	0.090"	0.489"	0.472"	20 + yrs.

The shell plate thickness data was very consistent with no obvious signs of significant wall loss. All measured values were well above API required thickness and project to more than 20 yrs of remaining corrosion life.

Nondestructive Examination reports are provided in Appendix B.

WASH WATER TANK

The external visual examination of Wash Water Tank found the paint coating to be deteriorated with staining and corrosion noted throughout the entire surface of the shell. The staining appears to be related to product coming out of the overflow vents at the roof line. The shell plate showed no obvious distortions and all appurtenances were properly aligned.

The "chime ring" extension appeared to be properly designed and the concrete foundation ring was in good overall condition. No immediate repair actions are required. Overall exterior photographs areas of the inspection areas are provided in Figs. 12 and 13.

Ultrasonic Wall Thickness Measurements

Ultrasonic thickness measurements were recorded on the external shell every two feet, at eight equi-distance locations around the tank circumference. Thickness measurements were recorded in an "X" pattern on the roof section. Original design data was not available at the time of this inspection; estimations related to dimensions have been made in determining shell plate thickness requirements. The table below

provides a summary of the data in comparison to the expected nominal and minimum required thicknesses data. The complete thickness data from 2011 is provided in Appendix C.

	Nominal Thickness (Assumed)	Minimum Required Thickness	2011 Measured Avg.	2011 Measured Min.	Remaining Corrosion Life
Shell Course 1	0.375"	0.121"	0.346"	0.306"	20+ yrs.
Shell Course 2	0.375"	0.100"	0.317"	0.307"	20 + yrs.
Shell Course 3	0.375"	0.100"	0.318"	0.309"	20 + yrs.
Shell Course 4	0.375"	0.100"	0.349"	0.321"	20 + yrs.
Shell Course 5	0.375"	0.100"	0.356"	0.342"	20 + yrs.
Roof Plate	0.250"	0.090"	0.257"	0.252"	20 + yrs.

The shell plate thickness data was very consistent with no obvious signs of significant wall loss. All measured value were well above API required thickness and project to more than 20 yrs of remaining corrosion life.

CONCLUSIONS AND RECOMMENDATIONS

Thielsch Engineering performed an inspection of the Unit Nos. 1 and 3 Filtration Tanks, Clearwell Tanks No. 1 and 2, and Wash Water Tank located at the Charles G. Hammann Water Treatment Plant in Woonsocket, Rhode Island. Based upon the results of the inspection, these tanks are considered suitable for continued service under the intended operating conditions. To ensure the continued reliable service of these tanks the following maintenance and inspection items be carried out.

Unit No. 1 Filtration Tank

- Monitor the external concrete foundation cracking during scheduled facility maintenance.
- Monitor external shell bending for further distortion during scheduled facility maintenance.
- Clean and re-coat the areas of external corrosion within the next three years.
- In 2002 an area along the inside diameter was identified with isolated pitting. The areas around these pits were scanned ultrasonically and the thickness values would be subtracted from the depth of the pits, which would typically have been measured physically. The lowest remaining thickness value (worst case) was recorded and used in the "remaining life calculation". The 2011 inspection was performed from the outside diameter of the Filter tank. All thickness values recorded from the outside diameter in 2011 were above the nominal wall thickness. In order to reconcile the disparity in data, Thielsch Engineering applied the criteria of the API 597/ASME FFS-1 "Fitness for Service Assessment". This approach became more readily adopted after the 2002 inspection. This assessment has been completed using the 2002 data for the Unit No. 1 Filter tank and has determined the tank to be adequate for continued service.
- Perform an internal "Out of Service" inspection in accordance with API 653 guidelines after five years of additional service (2016).

Unit No. 3 Filtration Tank

- Monitor the external concrete foundation cracking and paint coating deterioration during scheduled facility maintenance.
- Perform an internal "Out of Service" inspection after five years of continued service (2016).

Clearwell Tank No. 1

- Clean and re-coat the areas of corrosion within three years.
- Schedule repairs for the external concrete foundation cracking within next twelve months.
- Perform a similar "In Service" inspection after five years of continued service (2016).

Clearwell Tank No. 2

- Clean and re-coat the areas of corrosion within three years.
- Schedule repairs for the external concrete foundation cracking within next twelve months.
- Perform a similar "In Service" inspection after five years of continued service (2016).

Wash Water Tank

- Clean and re-coat areas of corrosion on external shell within next five years of service.
- Perform a similar "In Service" inspection after five years of continued service (2016).

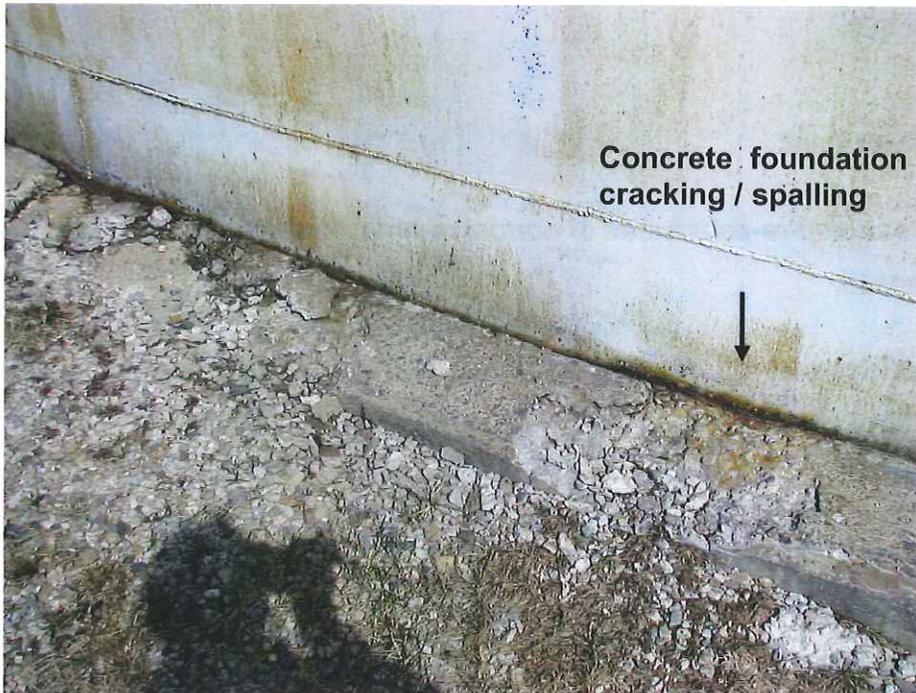


Fig. 1. Overall exterior photographs of the Unit No. 1 Filtration Tank.



Fig. 2. Photographs showing paint coating failure and stairway footing damage.



Fig. 3. Views of buckling condition on exterior shell.



Fig. 4. Overall exterior photographs of the Unit No. 3 filtration tank.



Fig. 5. Overall exterior photographs of the Unit No. 3 filtration tank.



Fig. 6. Photographs of Clearwell Tank No. 1.



Fig. 7. Photographs of Clearwell Tank No. 1.



Fig. 8. Photographs of Clearwell Tank No. 1.



Fig. 9.

Photographs of
Clearwell Tank No. 2.



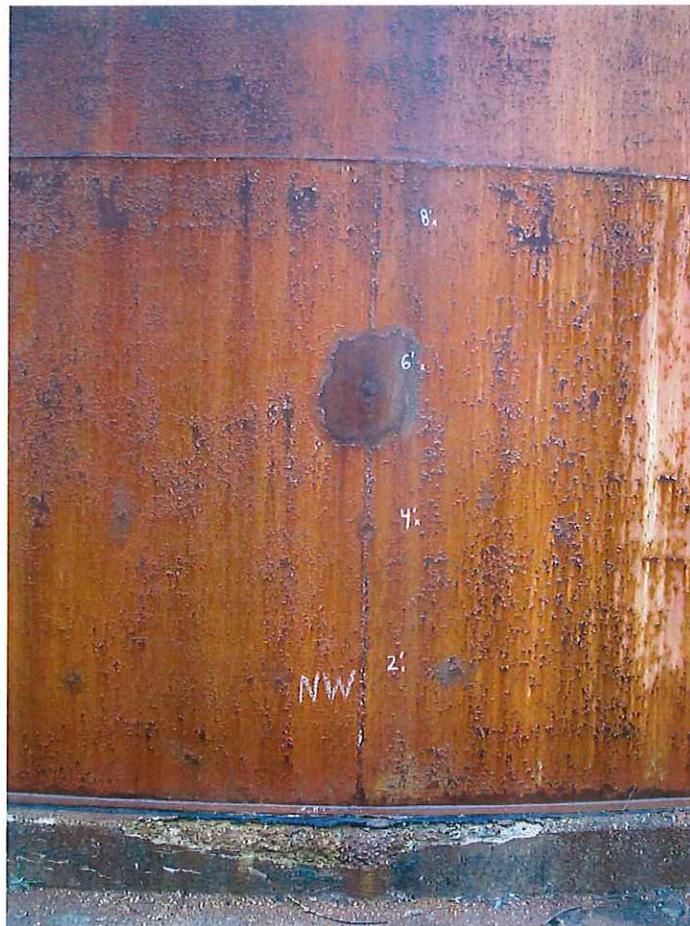


Fig. 10. Photographs of Clearwell Tank No. 2.



Fig. 11. Photographs of Clearwell Tank No. 2.



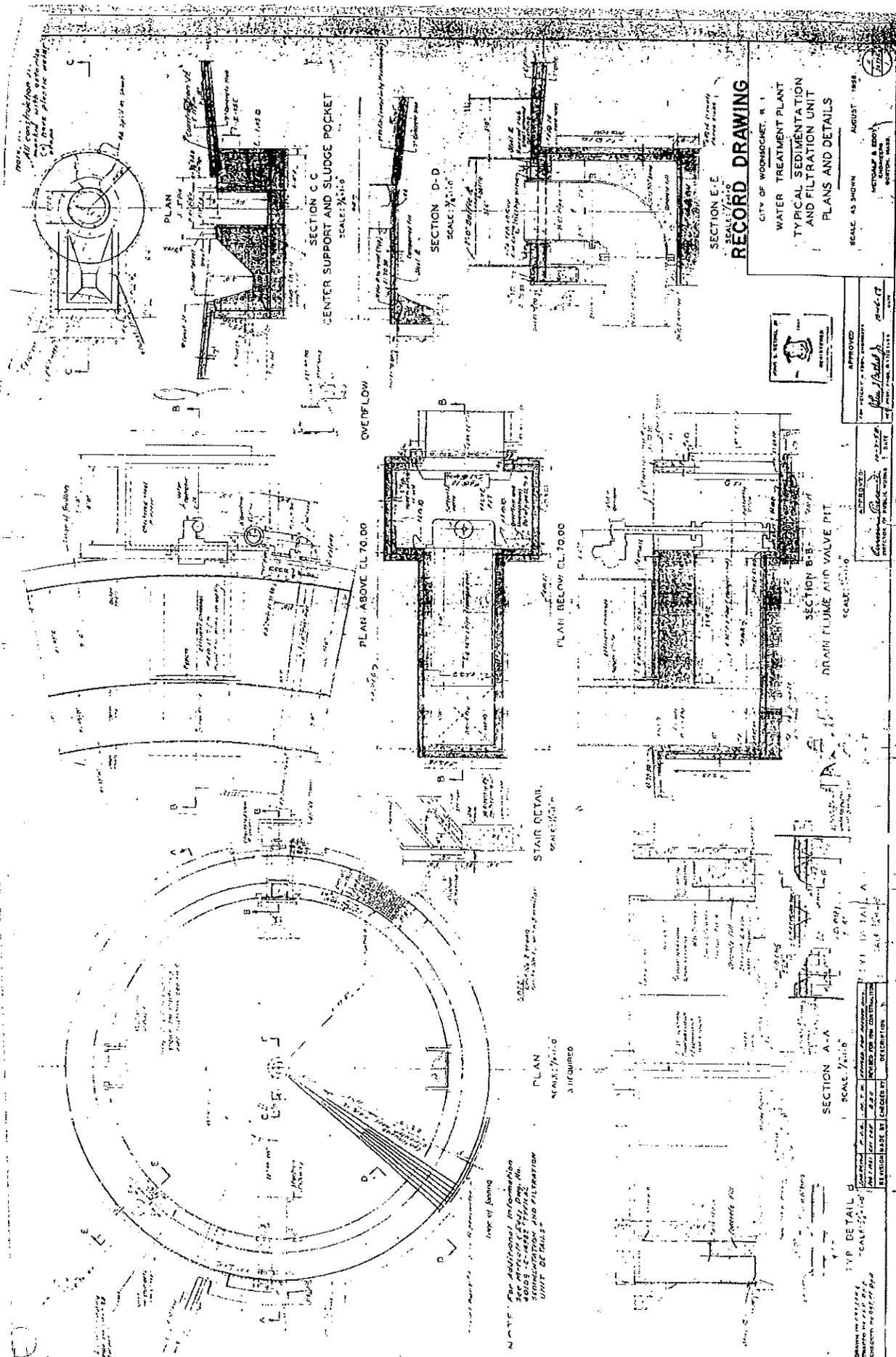
Fig. 12. Photographs of the wash water tank.



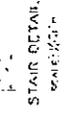
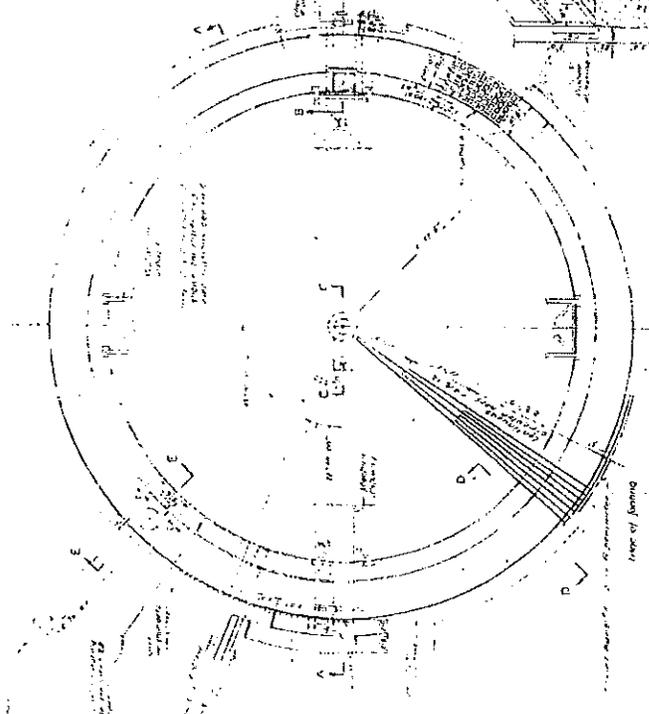
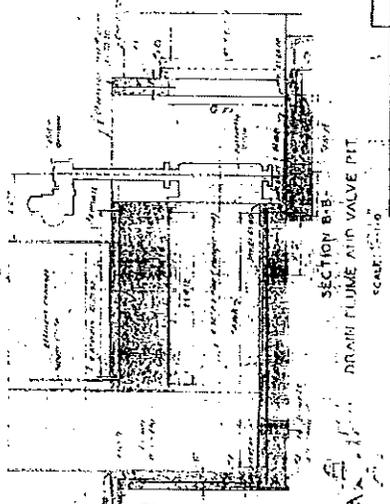
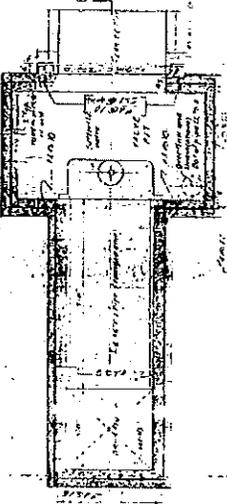
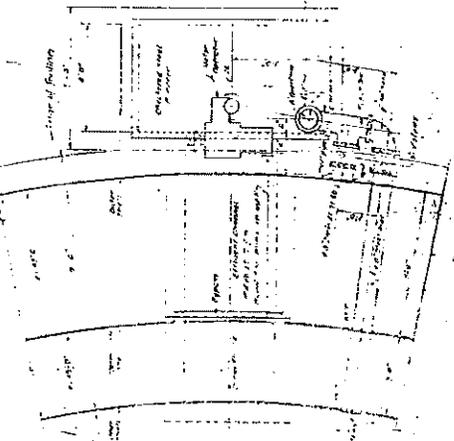
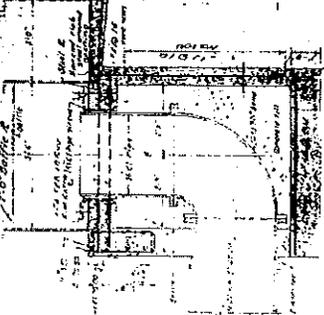
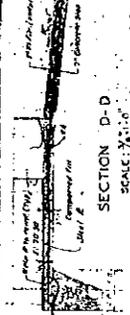
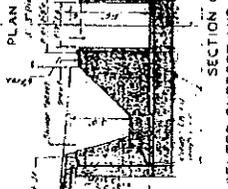
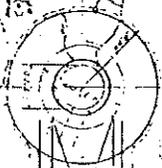
Fig. 13. Photographs of the wash water tank.

APPENDIX A

**NONDESTRUCTIVE EXAMINATION REPORTS
FILTRATION TANKS**



NOTE: All construction to be finished with exterior plaster and painted.



NOTE: For Additional Information See Specifications for CONSTRUCTION AND FILTRATION UNIT DETAILS.

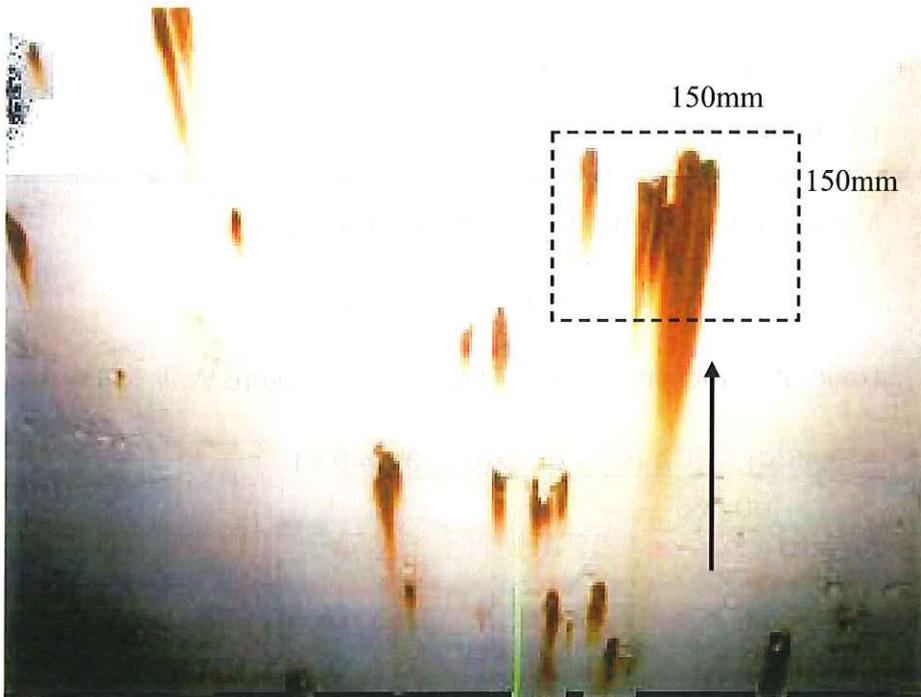
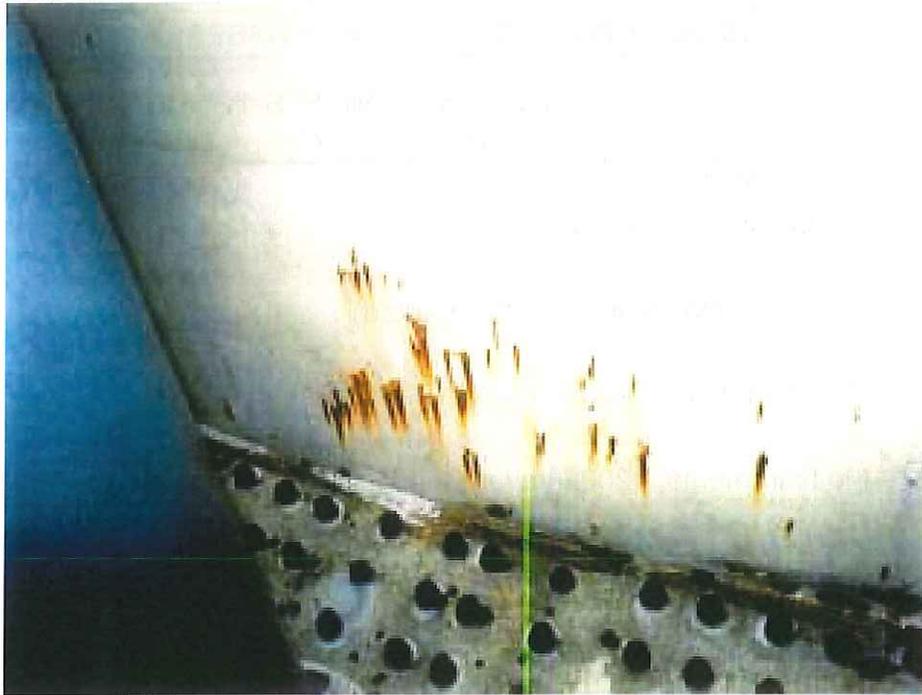
RECORD DRAWING
 CITY OF WASHINGTON, D. C.
 WATER TREATMENT PLANT
 TYPICAL SEDIMENTATION
 AND FILTRATION UNIT
 PLANS AND DETAILS

SCALE: AS SHOWN
 AUGUST, 1948

APPROVED: *[Signature]*
 SUPERVISOR OF PUBLIC WORKS

NO.	DATE	BY	DESCRIPTION
1	8/10/48	J. H. [Name]	ISSUED FOR THE CONTRACT
2	8/10/48	J. H. [Name]	REVISION MADE BY [Name]

DESIGNED BY: [Name]
 CHECKED BY: [Name]
 DRAWING NO. 4013-1-100



Unit No. 1 Filtration Tank; TEI Report 10010
2002 Internal Shell Course 2, 45° area ≈ 3 ft. off the tank bottom

THIELSCH ENGINEERING, INC.

195 Frances Avenue - Cranston, RI 02910 - (401) 467-6454

LEVEL 1 PITTING CORROSION ASSESSMENT

API 579-1/A ASME FFS-1
2nd SHELL COURSE

Unit No. 1. Filtration Tank

t_c = Future Corrode Thickness

t_{nom} = Thickness Nominal - 0.500" (reported)

LOSS = Prior Metal Loss Measured Against Furnished Thickness – (0.035")

t_{rd} = Measurements - 2002 t average (0.465")

FCA = Future Corrosion Allowed – Related to Supplemental Loads - 0

Calculation 6.1

$t_c = t_{nom} (0.500") - LOSS (0.035") - FCA (0") = 0.465"$

$t_c = (0.465")$

W_{max} = Maximum Pit Depth - 0.133" - From 2002 Report

Calculation 6.3

R_{wt} = Ratio of Remaining Wall Thickness to the Future Wall Thickness for Pitting

$R_{wt} = \frac{t_c (0.465") + FCA (0") - W_{max} (0.133")}{0.465"} = 0.71$

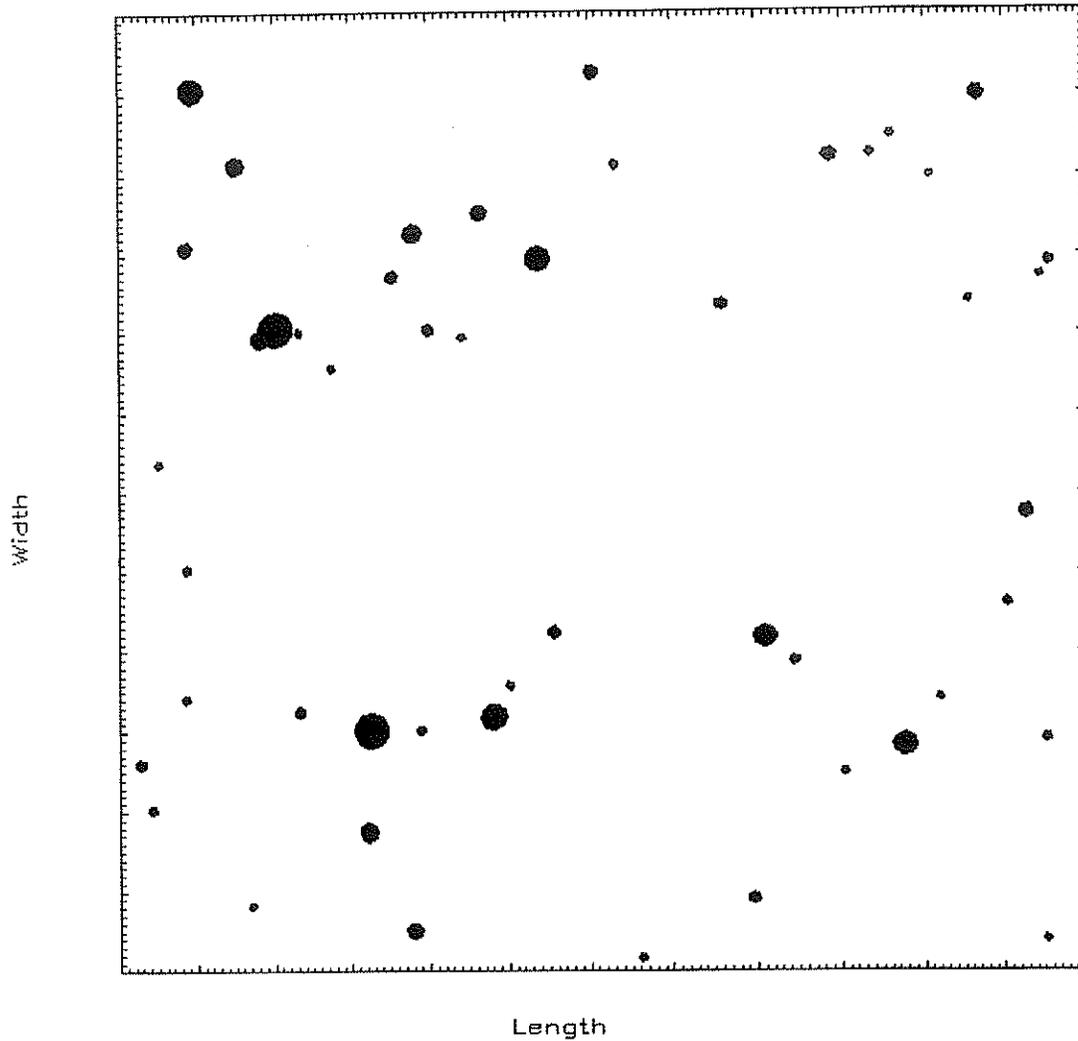
$R_{wt} = 0.71$

$R_{wt} = 0.71 = \text{Level 1 RSF of 0.96 (see pitting chart for Grade 1 Pitting)}$

Shell thickness t_{min} @ 3 ft. = 0.315" = RSF_c

$t_c (0.465") \times RSF (0.96) = RSF_c$ or 0.446"

Level 1 Assessment is Satisfied



Note: The scale of this figure is 150 mm by 150 mm (6 in by 6 in)

R_{wr} , see Equation (6.3)		Level 1 <i>RSF</i>	
		Cylinder	Sphere
0.71	0.8	0.97	0.96
	0.6	0.95	0.91
	0.4	0.92	0.87
	0.2	0.89	0.83

Figure 6.3 – Pitting Chart for Grade 1 Pitting

API Standard 653 Minimum Wall Thickness Calculation

CDM - Woonsocket Treatment Plant

Filter Tank 1

2nd Shell Course

The minimum wall thickness requirements were calculated for the Unit No. 1 Filter Tank. These calculations are based on API Standard 653, the Latest Edition.

ASTM Material Specifications for:

A-283, Grade C

Where:

D - Nominal Diameter of the Tank

87

ft

H - Height from the Bottom of the Course

23

ft

G - Highest Specific Gravity of Contents

1.00

S - Maximum Stress Value

A-283, Grade C

23600

psi

E - Joint Efficiency

0.70

The following equation applies per B31.1 Section 104.1.4

$$t_m = (PD / (2(SEW + PY))) + A$$

0.315

in

THIELSCH ENGINEERING

Tel: (401) 467-6454 Fax: (401) 467-7259
www.thielsch.com

ATMOSPHERIC STORAGE TANK EXTERNAL INSPECTION FORM

Company: <u>City of Woonsocket</u> Facility: <u>Hamman Water Treatment</u> Tank Name: <u>Unit No. 1 Filtration Tank</u> PSM Covered Yes/No: <u>N/A</u> Tank Service: <u>Water Storage</u> Material of Shell: <u>N/A</u>	Date of Inspection: <u>March 2011</u> Inspector: <u>Erin Aliberti / Jason Mills</u> Tank Number: <u>Unit No. 1</u> Material of Roof: <u>N/A</u> Type of Roof: <u>Dome</u>
--	--

A = Acceptable, U = Unacceptable, NA = Not Applicable, NI = Not Inspected

No.	Item	A	U	NA	NI	Comments
1. NAMEPLATE						
a.	Nameplate in place with design data (note condition of bracket)			X		Not Present
b.	API Code stamp (record number)			X		Not Present
c.	Manufacturer			X		Not Present
d.	Serial no./year built			X		1975 (reportedly)
e.						
f.						
2. FOUNDATIONS						
a.	Concrete condition (broken, spalling, cracks)		X			In need of repair
b.	Levelness	X				
c.	Clean	X				
d.	Coating condition			X		
e.	Drain openings in ring					
f.	Signs of settlement around perimeter of tank	X				
g.	Dike walls/containment			X		
h.						
i.						
j.						
3. SHELL						
a.	Paint condition	X				Observed failures - Lower Course
b.	Corrosion, pitting, scale (note location, depth, etc.)	X				
c.	Bulges/distortion		X			Lower Course - beyond original construction tolerances. Evaluated as acceptable
d.	Welds	X				Visuals were OK
e.	Attachments (supports, brackets, gussets, etc.)	X				
f.	Insulation/covering condition			X		
g.	Signs of thinning at bottom to shell plate "chime" area			X		No apparent external "chime"
h.	Overflow vents/piping			X		
i.	UT measurements	X				
j.						
k.						
3. CATHODIC PROTECTION						
a.	Galvanic Anode System			X		
b.	Impressed Current System			X		
c.						
d.						
e.						

THIELSCH ENGINEERING

Tel: (401) 467-6454 Fax: (401) 467-7259
www.thielsch.com

ATMOSPHERIC STORAGE TANK EXTERNAL INSPECTION FORM

(continued)

A = Acceptable, U = Unacceptable, NA = Not Applicable, NI = Not Inspected

No.	Item	A	U	NA	NI	Comments
4.	MANWAYS AND NOZZLES					
a.	Paint condition		X			Failures in coating
b.	Corrosion, pitting, scale (note location, depth, etc.)	X				
c.	Weld condition	X				visual OK
d.	Flange condition (leaking, corroded, etc.)	X				
e.	Bolting condition	X				
f.	Repad condition (weep holes, etc.)	X				Only an oval manway
g.	UT measurements					
h.						
i.						
5.	ROOF					
a.	Before accessing the roof: UT or hammer test deck plate for thinning			X		Aluminum dome cover
b.	Paint condition			X		
c.	Corrosion, holes, pitting, scale (note location, depth, etc.)			X		
d.	Weld condition			X		
e.	Proper drainage (Are there flat spots retaining water?)			X		
f.	Insulation/covering condition			X		
g.	UT measurements			X		
h.						
i.						
6.	ROOF APPURTENANCES					
a.	Condition of hatch(s), manways, cover(s)				X	
b.	Condition of pressure/vacuum vent(s)				X	
c.	Condition of screens on vents/breathers				X	
d.	Bolting condition				X	
e.	Insulation seal condition				X	
f.						
g.						
7.	APPURTENANCES					
a.	Grounding		X			No ground observed
b.	Sight glasses			X		
c.						
d.						
8.	ACCESSWAYS					
8.1	(HANDRAILS)					
a.	Paint condition		X			Paint failure observed
b.	Corrosion, pitting, holes	X				
c.	Attachment welds	X				
d.	Safety drop bar (chain) condition	X				
e.						
f.						

THIELSCH ENGINEERING

Tel: (401) 467-6454 Fax: (401) 467-7259
www.thielsch.com

ATMOSPHERIC STORAGE TANK EXTERNAL INSPECTION FORM

(continued)

A = Acceptable, U = Unacceptable, NA = Not Applicable, NI = Not Inspected

No.	Item	A	U	NA	NI	Comments
8.2	(PLATFORMS/STAIRS/ LADDERS)					
a.	Paint condition		X			Paint is flaking and peeling
b.	Corrosion, pitting, holes	X				
c.	Attachment welds to tank (including repads for supports)	X				
d.	Support clips, lugs, braces, etc.					
e.	Platform support frame (deck plate or grating rests on) condition (thinning, holes, etc.)	X				
f.	Bolting	X				
g.	Cage condition			X		
h.	Rung condition			X		
i.	Stairway tread condition	X				
j.	Concrete base condition		X			In need of repair
k.						
l.						
8.3	(GRATING)					
a.	Paint condition			X		
b.	Thinning on grating bars	X				
c.	Condition of grating welds			X		
d.	Tie down clips	X				
e.						
f.						

Additional Comments/Recommendations:

Erin Alberti

May 16, 2011

Inspector(s) Signature and Date

THIELSCH ENGINEERING

Tel: (401) 467-6454 Fax: (401) 467-7259
www.thielsch.com

ATMOSPHERIC STORAGE TANK EXTERNAL INSPECTION FORM

Company: <u>City of Woonsocket</u> Facility: <u>Hamman Water Treatment</u> Tank Name: <u>Unit No. 3 Filtration Tank</u> PSM Covered Yes/No: <u>N/A</u> Tank Service: <u>Water Storage</u> Material of Shell: <u>N/A</u>	Date of Inspection: <u>March 2011</u> Inspector: <u>Erin Aliberti / Jason Mills</u> Tank Number: <u>Unit No. 3</u> Material of Roof: <u>N/A</u> Type of Roof: <u>Dome</u>
--	--

A = Acceptable, U = Unacceptable, NA = Not Applicable, NI = Not Inspected

No.	Item	A	U	NA	NI	Comments
1. NAMEPLATE						
a.	Nameplate in place with design data (note condition of bracket)			X		Not Present
b.	API Code stamp (record number)			X		Not Present
c.	Manufacturer			X		Not Present
d.	Serial no./year built			X		1975 (reportedly)
e.						
f.						
2. FOUNDATIONS						
a.	Concrete condition (broken, spalling, cracks)	X				Minor spalling
b.	Levelness	X				
c.	Clean	X				
d.	Coating condition			X		
e.	Drain openings in ring					
f.	Signs of settlement around perimeter of tank	X				
g.	Dike walls/containment			X		
h.						
i.						
j.						
3. SHELL						
a.	Paint condition	X				Minor paint failure - Bottom Course
b.	Corrosion, pitting, scale (note location, depth, etc.)	X				
c.	Bulges/distortion	X				
d.	Welds	X				Visuals were OK
e.	Attachments (supports, brackets, gussets, etc.)	X				
f.	Insulation/covering condition			X		
g.	Signs of thinning at bottom to shell plate "chime" area			X		No apparent external "chime"
h.	Overflow vents/piping			X		
i.	UT measurements	X				
j.						
k.						
3.1 CATHODIC PROTECTION						
a.	Galvanic Anode System			X		
b.	Impressed Current System			X		
c.						
d.						
e.						

THIELSCH ENGINEERING

Tel: (401) 467-6454 Fax: (401) 467-7259
www.thielsch.com

ATMOSPHERIC STORAGE TANK EXTERNAL INSPECTION FORM

(continued)

A = Acceptable, U = Unacceptable, NA = Not Applicable, NI = Not Inspected

No.	Item	A	U	NA	NI	Comments
4.	MANWAYS AND NOZZLES					
a.	Paint condition	X				Minor paint peeling
b.	Corrosion, pitting, scale (note location, depth, etc.)	X				
c.	Weld condition	X				visual OK
d.	Flange condition (leaking, corroded, etc.)	X				
e.	Bolting condition	X				
f.	Repad condition (weep holes, etc.)	X				Weep holes present at manway
g.	UT measurements					
h.						
i.						
5.	ROOF					
a.	Before accessing the roof: UT or hammer test deck plate for thinning			X		Aluminum dome cover
b.	Paint condition			X		
c.	Corrosion, holes, pitting, scale (note location, depth, etc.)			X		
d.	Weld condition			X		
e.	Proper drainage (Are there flat spots retaining water?)			X		
f.	Insulation/covering condition			X		
g.	UT measurements			X		
h.						
i.						
6.	ROOF APPURTENANCES					
a.	Condition of hatch(s), manways, cover(s)				X	
b.	Condition of pressure/vacuum vent(s)				X	
c.	Condition of screens on vents/breathers				X	
d.	Bolting condition				X	
e.	Insulation seal condition				X	
f.						
g.						
7.	APPURTENANCES					
a.	Grounding		X			No ground observed
b.	Sight glasses			X		
c.						
d.						
8.	ACCESSWAYS					
8.1	(HANDRAILS)					
a.	Paint condition	X				Paint condition OK
b.	Corrosion, pitting, holes	X				
c.	Attachment welds	X				
d.	Safety drop bar (chain) condition	X				
e.						
f.						

THIELSCH ENGINEERING

Tel: (401) 467-6454 Fax: (401) 467-7259
www.thielsch.com

ATMOSPHERIC STORAGE TANK EXTERNAL INSPECTION FORM

(continued)

A = Acceptable, U = Unacceptable, NA = Not Applicable, NI = Not Inspected

No.	Item	A	U	NA	NI	Comments
8.2	(PLATFORMS/STAIRS/ LADDERS)					
a.	Paint condition	X				
b.	Corrosion, pitting, holes	X				
c.	Attachment welds to tank (including repads for supports)	X				
d.	Support clips, lugs, braces, etc.					
e.	Platform support frame (deck plate or grating rests on) condition (thinning, holes, etc.)	X				
f.	Bolting	X				
g.	Cage condition			X		
h.	Rung condition			X		
i.	Stairway tread condition	X				
j.	Concrete base condition		X			In need of repair
k.						
l.						
8.3	(GRATING)					
a.	Paint condition			X		
b.	Thinning on grating bars	X				
c.	Condition of grating welds			X		
d.	Tie down clips	X				
e.						
f.						

Additional Comments/Recommendations:

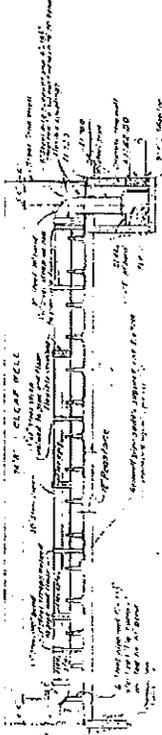
Erin Aubert

May 16, 2011

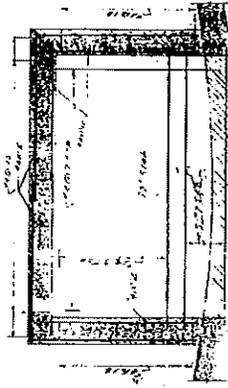
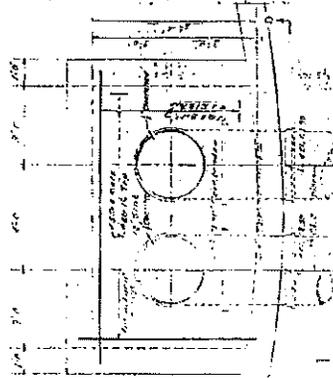
Inspector(s) Signature and Date

APPENDIX B

**NONDESTRUCTIVE EXAMINATION REPORTS
CLEARWELL TANKS**

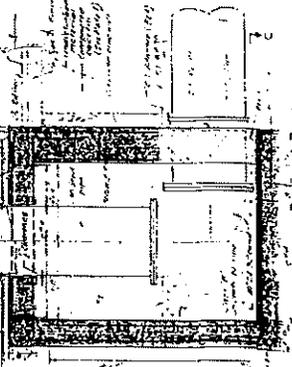


Notes regarding Section B-B: 1. Tank as shown is constructed of 2" in diameter. 2. Tank as shown is constructed of 2" in diameter.



NOTE

1. Concrete walls to afford 5% of maximum area of minimum measure. 2. Minimum depth of concrete walls to be 24" in diameter. 3. Minimum depth of concrete walls to be 24" in diameter.



RECORD DRAWING

CITY OF WOODBRIDGE, R. I.
WATER TREATMENT PLANT
CLEAR WELLS

SCALE AS SHOWN AUGUST 1968

APPROVED BY: [Signature]

CONTRACT NO. 22-1640

DESIGNED BY	ENGINEER
CHECKED BY	ENGINEER
APPROVED BY	ENGINEER
DATE	

THIELSCH ENGINEERING, INC.

195 Frances Avenue - Cranston, RI 02910 - (401) 467-6454

ULTRASONIC WALL THICKNESS EXAMINATION REPORT

Job Name: CDM - Woonsocket Water Treatment Plant	Job Date: March 2011	Job Number: 40-11-0056	
Component: Clearwell Tank No. 1	Material: Carbon Steel	Nominal Wall: S = 0.375" / 0.375" R = 0.500"	Minimum Wall: S = 0.204" / 0.100" R = 0.090"
EQUIPMENT USED:		KEY:	
<input checked="" type="checkbox"/> D-Meter <input type="checkbox"/> Pi-Tape <input type="checkbox"/> Other <input type="checkbox"/> Micrometer <input type="checkbox"/> calipers		H - Head T - Top S - Shell B - Bottom	

DIAMETER THICKNESS MEASUREMENTS (IN.)

LOCATION		North (0°)	Northeast (45°)	East (90°)	Southeast (135°)	South (180°)	Southwest (225°)	West (270°)	Northwest (315°)
2'	S	0.322	0.338	0.329	0.327	0.316	0.328	0.315	0.323
4'	S	0.326	0.330	0.327	0.329	0.330	0.335	0.318	0.323
6'	S	0.330	0.336	0.328	0.329	0.327	0.328	0.318	0.327
8'	S	0.323	0.332	0.327	0.327	0.320	0.331	0.313	0.327
10'	S	0.330	0.329	0.326	0.322	0.333	0.337	0.323	0.333
12'	S	0.333	0.339	0.331	0.330	0.332	0.333	0.330	0.333
14'	S	0.343	0.337	0.330	0.329	0.334	0.327	0.329	0.337
16'	S	0.333	0.326	0.326	0.328	0.324	0.325	0.327	0.328
2'	R	0.493		0.469		0.485		0.494	
4'	R	0.483		0.498		0.489		0.493	
6'	R	0.485		0.507		0.467		0.485	
8'	R	0.496		0.491		0.468		0.512	
10'	R	0.490		0.481		0.471		0.508	
12'	R	0.502		0.496		0.481		0.485	
14'	R	0.497		0.482		0.465		0.487	
16'	R	0.497		0.491		0.507		0.494	
18'	R	0.506		0.482		0.472		0.470	
20'	R	0.489		0.483		0.480		0.488	
22'	R	0.470		0.494		0.465		0.472	
24'	R	0.486		0.480		0.472		0.485	
26'	R	0.489		0.472		0.478		0.480	
28'	R	0.496		0.492		0.521		0.496	
30'	R	0.490		0.480		0.596		0.490	
32'	R	0.498		0.475		0.562		0.478	
34'	R	0.496		N/A		0.491		0.500	
36'	R	0.478		N/A		0.486		0.469	

Inspector: Jason Mills / John Deoliveira	Level: II	Date: March 2011
--	-----------	------------------

THIELSCH ENGINEERING

Tel: (401) 467-6454 Fax: (401) 467-7259
www.thielsch.com

ATMOSPHERIC STORAGE TANK EXTERNAL INSPECTION FORM

Company: <u>City of Woonsocket</u> Facility: <u>Hamman Water Treatment</u> Tank Name: <u>Clearwell Tank 1</u> PSM Covered Yes/No: <u>N/A</u> Tank Service: <u>Water Storage</u> Material of Shell: <u>N/A</u>	Date of Inspection: <u>March 2011</u> Inspector: <u>Erin Aliberti / Jason Mills</u> Tank Number: <u>Unit No. 3</u> Material of Roof: <u>N/A</u> Type of Roof: <u>Fixed Dome</u>
--	--

A = Acceptable, U = Unacceptable, NA = Not Applicable, NI = Not Inspected

No.	Item	A	U	NA	NI	Comments
1. NAMEPLATE						
a.	Nameplate in place with design data (note condition of bracket)		X			Indecipherable
b.	API Code stamp (record number)			X		
c.	Manufacturer			X		
d.	Serial no./year built			X		
e.						
f.						
2. FOUNDATIONS						
a.	Concrete condition (broken, spalling, cracks)		X			Needs repair in the next 12 months
b.	Levelness	X				
c.	Clean	X				
d.	Coating condition			X		
e.	Drain openings in ring			X		
f.	Signs of settlement around perimeter of tank	X				Lacking support for "chime" ring
g.	Dike walls/containment			X		
h.						
i.						
j.						
3. SHELL						
a.	Paint condition		X			Heavily stained/rusted
b.	Corrosion, pitting, scale (note location, depth, etc.)	X				Localized pitting - minor depth
c.	Bulges/distortion	X				
d.	Welds	X				Visuals were OK
e.	Attachments (supports, brackets, gussets, etc.)	X				
f.	Insulation/covering condition			X		
g.	Signs of thinning at bottom to shell plate "chime" area		X			Underside corrosion
h.	Overflow vents/piping	X				
i.	UT measurements	X				
j.						
k.						
3.1 CATHODIC PROTECTION						
a.	Galvanic Anode System			X		
b.	Impressed Current System			X		
c.						
d.						
e.						

THIELSCH ENGINEERING

Tel: (401) 467-6454 Fax: (401) 467-7259
www.thielsch.com

ATMOSPHERIC STORAGE TANK EXTERNAL INSPECTION FORM

(continued)

A = Acceptable, U = Unacceptable, NA = Not Applicable, NI = Not Inspected

No.	Item	A	U	NA	NI	Comments
4.	MANWAYS AND NOZZLES					
a.	Paint condition		X			Staining and rusting
b.	Corrosion, pitting, scale (note location, depth, etc.)	X				
c.	Weld condition	X				visual OK
d.	Flange condition (leaking, corroded, etc.)	X				
e.	Bolting condition	X				
f.	Repad condition (weep holes, etc.)	X				
g.	UT measurements	X				
h.						
i.						
5.	ROOF					
a.	Before accessing the roof: UT or hammer test deck plate for thinning	X				
b.	Paint condition	X				Staining and rusting observed
c.	Corrosion, holes, pitting, scale (note location, depth, etc.)	X				
d.	Weld condition	X				visual inspection OK
e.	Proper drainage (Are there flat spots retaining water?)	X				
f.	Insulation/covering condition			X		
g.	UT measurements	X				
h.						
i.						
6.	ROOF APPURTENANCES					
a.	Condition of hatch(s), manways, cover(s)			X		
b.	Condition of pressure/vacuum vent(s)			X		
c.	Condition of screens on vents/breathers	X				
d.	Bolting condition	X				
e.	Insulation seal condition			X		
f.						
g.						
7.	APPURTENANCES					
a.	Grounding			X		No ground observed
b.	Sight glasses			X		
c.						
d.						
8.	ACCESSWAYS					
8.1	(HANDRAILS)					
a.	Paint condition	X				
b.	Corrosion, pitting, holes	X				
c.	Attachment welds	X				
d.	Safety drop bar (chain) condition			X		
e.						
f.						

THIELSCH ENGINEERING

Tel: (401) 467-6454 Fax: (401) 467-7259
www.thielsch.com

ATMOSPHERIC STORAGE TANK EXTERNAL INSPECTION FORM

(continued)

A = Acceptable, U = Unacceptable, NA = Not Applicable, NI = Not Inspected

No.	Item	A	U	NA	NI	Comments
8.2	(PLATFORMS/STAIRS/ LADDERS)					
a.	Paint condition	X				
b.	Corrosion, pitting, holes	X				
c.	Attachment welds to tank (including repads for supports)	X				
d.	Support clips, lugs, braces, etc.					
e.	Platform support frame (deck plate or grating rests on) condition (thinning, holes, etc.)			X		
f.	Bolting	X				
g.	Cage condition			X		
h.	Rung condition	X				
i.	Stairway tread condition			X		
j.	Concrete base condition			X		
k.						
l.						
8.3	(GRATING)					
a.	Paint condition			X		
b.	Thinning on grating bars			X		
c.	Condition of grating welds			X		
d.	Tie down clips			X		
e.						
f.						

Additional Comments/Recommendations:

Erin Abbott

May 16, 2011

Inspector(s) Signature and Date

THIELSCH ENGINEERING

Tel: (401) 467-6454 Fax: (401) 467-7259
www.thielsch.com

ATMOSPHERIC STORAGE TANK EXTERNAL INSPECTION FORM

Company: <u>City of Woonsocket</u> Facility: <u>Hamman Water Treatment</u> Tank Name: <u>Clearwell Tank 2</u> PSM Covered Yes/No: <u>N/A</u> Tank Service: <u>Water Storage</u> Material of Shell: <u>N/A</u>	Date of Inspection: <u>March 2011</u> Inspector: <u>Erin Aliberti / Jason Mills</u> Tank Number: <u>Unit No. 3</u> Material of Roof: <u>N/A</u> Type of Roof: <u>Fixed Dome</u>
--	--

A = Acceptable, U = Unacceptable, NA = Not Applicable, NI = Not Inspected

No.	Item	A	U	NA	NI	Comments
1. NAMEPLATE						
a.	Nameplate in place with design data (note condition of bracket)		X			Indecipherable
b.	API Code stamp (record number)			X		
c.	Manufacturer			X		
d.	Serial no./year built			X		
e.						
f.						
2. FOUNDATIONS						
a.	Concrete condition (broken, spalling, cracks)		X			Needs repair in the next 12 months
b.	Levelness	X				
c.	Clean	X				
d.	Coating condition			X		
e.	Drain openings in ring			X		
f.	Signs of settlement around perimeter of tank	X				Lacking support for "chime" ring
g.	Dike walls/containment			X		
h.						
i.						
j.						
3. SHELL						
a.	Paint condition		X			Heavily stained/rusted
b.	Corrosion, pitting, scale (note location, depth, etc.)	X				Localized pitting - minor depth
c.	Bulges/distortion	X				
d.	Welds	X				Visuals were OK
e.	Attachments (supports, brackets, gussets, etc.)	X				
f.	Insulation/covering condition			X		
g.	Signs of thinning at bottom to shell plate "chime" area		X			Underside corrosion
h.	Overflow vents/piping	X				
i.	UT measurements	X				
j.						
k.						
3.1 CATHODIC PROTECTION						
a.	Galvanic Anode System			X		
b.	Impressed Current System			X		
c.						
d.						
e.						

THIELSCH ENGINEERING

Tel: (401) 467-6454 Fax: (401) 467-7259
www.thielsch.com

ATMOSPHERIC STORAGE TANK EXTERNAL INSPECTION FORM

(continued)

A = Acceptable, U = Unacceptable, NA = Not Applicable, NI = Not Inspected

No.	Item	A	U	NA	NI	Comments
4.	MANWAYS AND NOZZLES					
a.	Paint condition		X			Staining and rusting
b.	Corrosion, pitting, scale (note location, depth, etc.)	X				
c.	Weld condition	X				
d.	Flange condition (leaking, corroded, etc.)	X				
e.	Bolting condition	X				
f.	Repad condition (weep holes, etc.)	X				
g.	UT measurements	X				
h.						
i.						
5.	ROOF					
a.	Before accessing the roof: UT or hammer test deck plate for thinning	X				
b.	Paint condition	X				
c.	Corrosion, holes, pitting, scale (note location, depth, etc.)	X				
d.	Weld condition	X				Visual inspection OK
e.	Proper drainage (Are there flat spots retaining water?)	X				
f.	Insulation/covering condition			X		
g.	UT measurements	X				
h.						
i.						
6.	ROOF APPURTENANCES					
a.	Condition of hatch(s), manways, cover(s)			X		
b.	Condition of pressure/vacuum vent(s)			X		
c.	Condition of screens on vents/breathers	X				
d.	Bolting condition	X				
e.	Insulation seal condition			X		
f.						
g.						
7.	APPURTENANCES					
a.	Grounding			X		No ground observed
b.	Sight glasses			X		
c.						
d.						
8.	ACCESSWAYS (HANDRAILS)					
a.	Paint condition	X				
b.	Corrosion, pitting, holes	X				
c.	Attachment welds	X				
d.	Safety drop bar (chain) condition			X		
e.						
f.						

THIELSCH ENGINEERING

Tel: (401) 467-6454 Fax: (401) 467-7259
www.thielsch.com

ATMOSPHERIC STORAGE TANK EXTERNAL INSPECTION FORM

(continued)

A = Acceptable, U = Unacceptable, NA = Not Applicable, NI = Not Inspected

No.	Item	A	U	NA	NI	Comments
8.2	(PLATFORMS/STAIRS/ LADDERS)					
a.	Paint condition	X				
b.	Corrosion, pitting, holes	X				
c.	Attachment welds to tank (including repads for supports)	X				
d.	Support clips, lugs, braces, etc.	X				
e.	Platform support frame (deck plate or grating rests on) condition (thinning, holes, etc.)			X		
f.	Bolting	X				
g.	Cage condition			X		
h.	Rung condition	X				
i.	Stairway tread condition			X		
j.	Concrete base condition			X		
k.						
l.						
8.3	(GRATING)					
a.	Paint condition			X		
b.	Thinning on grating bars			X		
c.	Condition of grating welds			X		
d.	Tie down clips			X		
e.						
f.						

Additional Comments/Recommendations:

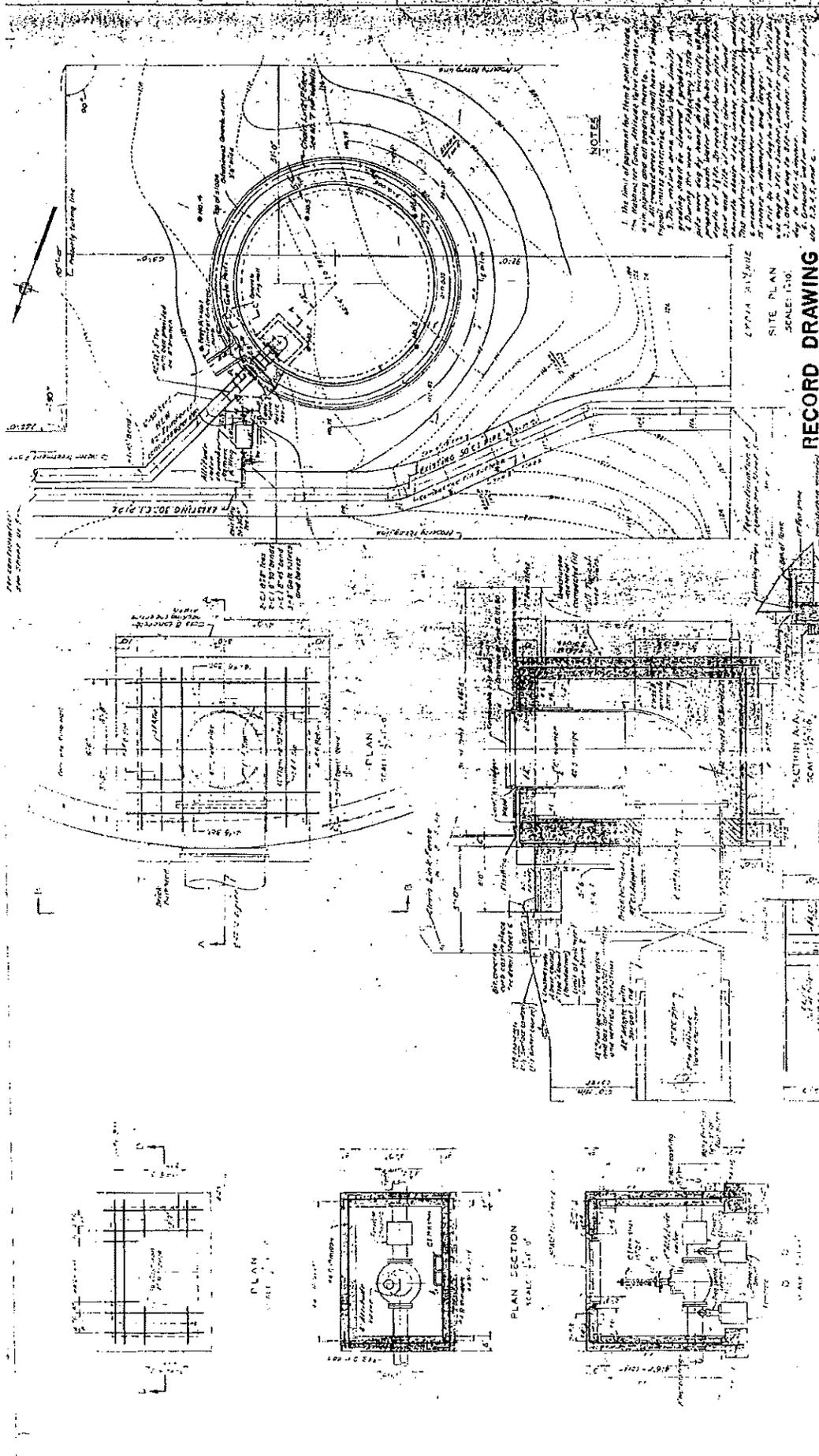
Erin Albert

May 16, 2011

Inspector(s) Signature and Date

APPENDIX C

**NONDESTRUCTIVE EXAMINATION REPORTS
WASH WATER TANK**



NOTES

1. The plan of the tank for this & wash water tank is shown on the plan view. The plan view is shown on the plan view. The plan view is shown on the plan view.
2. The plan view is shown on the plan view. The plan view is shown on the plan view. The plan view is shown on the plan view.
3. The plan view is shown on the plan view. The plan view is shown on the plan view. The plan view is shown on the plan view.
4. The plan view is shown on the plan view. The plan view is shown on the plan view. The plan view is shown on the plan view.
5. The plan view is shown on the plan view. The plan view is shown on the plan view. The plan view is shown on the plan view.
6. The plan view is shown on the plan view. The plan view is shown on the plan view. The plan view is shown on the plan view.
7. The plan view is shown on the plan view. The plan view is shown on the plan view. The plan view is shown on the plan view.
8. The plan view is shown on the plan view. The plan view is shown on the plan view. The plan view is shown on the plan view.
9. The plan view is shown on the plan view. The plan view is shown on the plan view. The plan view is shown on the plan view.
10. The plan view is shown on the plan view. The plan view is shown on the plan view. The plan view is shown on the plan view.

RECORD DRAWING

CITY OF WOODSOCKET, R.I.
 WATER TREATMENT PLANT
 WASH WATER TANK
 PLANS AND SECTIONS

SCALE AS SHOWN
 AUGUST 1938
 H. G. & S. B. ENGINEERS
 100 N. WASHINGTON ST.
 PROVIDENCE, R. I.

DESIGNED BY	W. H. G. & S. B.
CHECKED BY	H. G. & S. B.
APPROVED BY	H. G. & S. B.
DATE	AUG 1938
PROJECT NO.	22-1640 H
CONTRACT NO.	22-1640 H

22-1640 H CONTRACT 06/27/38

Drawn by H. G. & S. B.
 Checked by H. G. & S. B.
 Approved by H. G. & S. B.

THIELSCH ENGINEERING, INC.

195 Frances Avenue - Cranston, RI 02910 - (401) 467-6454

ULTRASONIC WALL THICKNESS EXAMINATION REPORT

Job Name: CDM - Woonsocket Water Treatment Plant	Job Date: March 2011	Job Number: 40-11-0056	
Component: Wash Water Tank	Material: Carbon Steel	Nominal Wall:	Minimum
EQUIPMENT USED: <input checked="" type="checkbox"/> D-Meter <input type="checkbox"/> Pi-Tape <input type="checkbox"/> Other <input type="checkbox"/> Micrometer <input type="checkbox"/> calipers		KEY: H - Head T - Top S -Shell B - Bottom	

DIAMETER THICKNESS MEASUREMENTS (IN.)

LOCATION		North (0°)	Northeast (45°)	East (90°)	Southeast (135°)	South (180°)	Southwest (225°)	West (270°)	Northwest (315°)
2'	S	0.346	0.347	0.359	0.350	0.347	0.347	0.351	0.350
4'	S	0.349	0.348	0.363	0.351	0.347	0.351	0.349	0.359
6'	S	0.350	0.341	0.359	0.350	0.343	0.352	0.348	0.349
8'	S	0.306	0.341	0.358	0.350	0.347	0.328	0.348	0.355
10'	S	0.315	0.315	0.318	0.311	0.305	0.323	0.309	0.308
12'	S	0.310	0.317	0.321	0.314	0.313	0.325	0.313	0.309
14'	S	0.310	0.320	0.318	0.309	0.312	0.327	0.311	0.313
16'	S	0.311	0.322	0.321	0.312	0.311	0.319	0.308	0.307
18'	S	0.316	0.321	0.316	0.318	0.313	0.309	0.311	0.313
20'	S	0.318	0.325	0.312	0.327	0.321	0.315	0.316	0.313
22'	S	0.374	0.409	0.347	0.382	0.329	0.352	0.342	0.338
24'	S	0.382	0.358	0.362	0.406	0.339	0.352	0.363	0.342
26'	S	0.424	0.321	0.356	0.387	0.358	0.349	0.357	0.333
28'	S	0.372	0.349	0.361	0.379	0.344	0.361	0.355	0.350
30'	S	0.349	0.356	0.339	0.351	0.355	0.372	0.345	0.363
32'	S	0.363	0.397	0.351	0.378	0.386	0.348	0.371	0.345
34'	S	0.342	0.353	0.352	0.371	0.374	0.342	0.350	0.349
2'	R	0.260		0.259		0.259		0.258	
4'	R	0.260		0.259		0.259		0.255	
6'	R	0.263		0.259		0.258		0.260	
8'	R	0.263		0.257		0.257		0.255	
10'	R	0.261		0.254		0.257		0.255	
12'	R	0.260		0.257		0.257		0.259	
14'	R	0.260		0.254		0.256		0.259	
16'	R	0.259		0.255		0.259		0.260	
18'	R	0.259		0.254		0.256		0.258	
20'	R	0.257		0.252		0.250		0.259	
22'	R	0.257		0.259		0.251		0.259	

* Indicates Center Plate

Inspector: Jason Mills / John Deoliveira	Level: II	Date: March 2011
--	-----------	------------------

THIELSCH ENGINEERING

Tel: (401) 467-6454 Fax: (401) 467-7259
www.thielsch.com

ATMOSPHERIC STORAGE TANK EXTERNAL INSPECTION FORM

Company: City of Woonsocket
Facility: Hamman Water Treatment
Tank Name: Wash Water Tank
PSM Covered Yes/No: N/A
Tank Service: Water Storage
Material of Shell: N/A

Date of Inspection: March 2011
Inspector: Erin Aliberti / Jason Mills
Tank Number: Unit No. 3
Material of Roof: N/A
Type of Roof: Fixed Dome

A = Acceptable, U = Unacceptable, NA = Not Applicable, NI = Not Inspected

No.	Item	A	U	NA	NI	Comments
1. NAMEPLATE						
a.	Nameplate in place with design data (note condition of bracket)		X			Illegible
b.	API Code stamp (record number)			X		
c.	Manufacturer			X		
d.	Serial no./year built			X		
e.						
f.						
2. FOUNDATIONS						
a.	Concrete condition (broken, spalling, cracks)	X				
b.	Levelness	X				
c.	Clean	X				
d.	Coating condition			X		
e.	Drain openings in ring			X		
f.	Signs of settlement around perimeter of tank	X				
g.	Dike walls/containment			X		
h.						
i.						
j.						
3. SHELL						
a.	Paint condition	X				Moderate staining/rusting
b.	Corrosion, pitting, scale (note location, depth, etc.)	X				Localized pitting - minor depth
c.	Bulges/distortion	X				
d.	Welds	X				Visuals were OK
e.	Attachments (supports, brackets, gussets, etc.)	X				
f.	Insulation/covering condition			X		
g.	Signs of thinning at bottom to shell plate "chime" area	X				
h.	Overflow vents/piping	X				
i.	UT measurements	X				
j.						
k.						
3.1 CATHODIC PROTECTION						
a.	Galvanic Anode System			X		
b.	Impressed Current System			X		
c.						
d.						
e.						

THIELSCH ENGINEERING

Tel: (401) 467-6454 Fax: (401) 467-7259
www.thielsch.com

ATMOSPHERIC STORAGE TANK EXTERNAL INSPECTION FORM

(continued)

A = Acceptable, U = Unacceptable, NA = Not Applicable, NI = Not Inspected

No.	Item	A	U	NA	NI	Comments
4.	MANWAYS AND NOZZLES					
a.	Paint condition	X				Moderate staining/rusting
b.	Corrosion, pitting, scale (note location, depth, etc.)	X				
c.	Weld condition	X				Visual inspection - OK
d.	Flange condition (leaking, corroded, etc.)	X				
e.	Bolting condition	X				
f.	Repad condition (weep holes, etc.)	X				
g.	UT measurements	X				
h.						
i.						
5.	ROOF					
a.	Before accessing the roof: UT or hammer test deck plate for thinning	X				
b.	Paint condition	X				
c.	Corrosion, holes, pitting, scale (note location, depth, etc.)	X				
d.	Weld condition	X				Visual inspection OK
e.	Proper drainage (Are there flat spots retaining water?)	X				
f.	Insulation/covering condition			X		
g.	UT measurements	X				
h.						
i.						
6.	ROOF APPURTENANCES					
a.	Condition of hatch(s), manways, cover(s)				X	
b.	Condition of pressure/vacuum vent(s)				X	
c.	Condition of screens on vents/breathers	X				
d.	Bolting condition				X	
e.	Insulation seal condition			X		
f.						
g.						
7.	APPURTENANCES					
a.	Grounding			X		No ground observed
b.	Sight glasses			X		
c.						
d.						
8.	ACCESSWAYS					
8.1	(HANDRAILS)					
a.	Paint condition	X				
b.	Corrosion, pitting, holes	X				
c.	Attachment welds	X				
d.	Safety drop bar (chain) condition			X		
e.						
f.						

THIELSCH ENGINEERING

Tel: (401) 467-6454 Fax: (401) 467-7259
www.thielsch.com

ATMOSPHERIC STORAGE TANK EXTERNAL INSPECTION FORM

(continued)

A = Acceptable, U = Unacceptable, NA = Not Applicable, NI = Not Inspected

No.	Item	A	U	NA	NI	Comments
8.2	(PLATFORMS/STAIRS/ LADDERS)					
a.	Paint condition	X				
b.	Corrosion, pitting, holes	X				
c.	Attachment welds to tank (including repads for supports)	X				
d.	Support clips, lugs, braces, etc.	X				
e.	Platform support frame (deck plate or grating rests on) condition (thinning, holes, etc.)			X		
f.	Bolting	X				
g.	Cage condition			X		
h.	Rung condition	X				
i.	Stairway tread condition			X		
j.	Concrete base condition			X		
k.						
l.						
8.3	(GRATING)					
a.	Paint condition			X		
b.	Thinning on grating bars			X		
c.	Condition of grating welds			X		
d.	Tie down clips			X		
e.						
f.						

Additional Comments/Recommendations:

Erin Aubert

May 16, 2011

Inspector(s) Signature and Date

THIELSCH ENGINEERING, INC.

195 Frances Avenue
Cranston, Rhode Island 02910-2211
Tel. (401) 467-6454
Fax (401) 467-2398

June 13, 2011

Mr. Charles Adelsberger
Camp, Dresser & McKee, Incorporated
56 Exchange Street
Providence, RI 02903

SUBJECT: Inspection of Clearwell, Filtration and Wash Water Tanks, Exterior
Examination - Charles G. Hamman Water Treatment Facility

Dear Mr. Adelsberger,

Enclosed is a copy of the report No. 13630 summarizing the inspection and engineering evaluation of the Filtration Tanks Nos. 1 and 3, Clearwell Tanks Nos. 1 and 2, and Wash Water Tank at Charles G. Hamman Water Treatment Facility located in Woonsocket, Rhode Island.

We appreciated the opportunity to be of service, and look forward to working with you again in the future. If you have any questions, or would like further assistance, please do not hesitate to contact us.

Very truly yours,

THIELSCH ENGINEERING, INC.



Peter Kennefick
Vice President
Field Engineering Services

Enclosure
Job No. 40-11-0056

THIELSCH ENGINEERING, INC., letters, inspection reports, analysis reports and engineering reports apply only to the specific materials, products, or processes tested, examined, surveyed, inspected or calculated; and are not necessarily indicative of the qualities of apparently identical or similar materials, products, or processes. The liability of THIELSCH ENGINEERING, INC., with respect to the services rendered, shall be limited to the amount of the consideration paid for such services, and shall not include any consequential damage.

EXHIBIT 1-2

(Redacted)

EXHIBIT 1-3

Periodic Report on Restricted Accounts

Woonsocket Water Division

Three Month Period of January 2018 thru March 2018

Index to Schedules:

<u>Schedule</u>	<u>Page</u>
Renewal & Replacement Restricted Acct	2
Debt Service Restricted Acct	3
Chemical Restricted Acct	4
Infrastructure Replacement Restricted Acct	5
Revenue Fund Cash Balance.....	6
Consumption and Accounts Receivable.....	7

Periodic Report on Restricted Accounts

Woonsocket Water Division

Three Month Period of January 2018 thru March 2018

Renewal & Replacement Restricted Acct

Cash Balance

		Balance as of 3/31/2018
R&R Fund	Checking Acct 1918032327 (Webster)	\$ 110,664.76
R&R Fund	Investment Acct 1918032822 (Webster)	79,190.45
		\$ 189,855.21

Cash Activity

	<u>CURRENT PERIOD</u>	<u>FY2018 YTD</u>
OPENING BALANCE	\$ 155,405.37	\$ 80,327.39
FUNDING	77,490.00	193,490.00
INTEREST EARNED	205.54	566.19
EXPENDITURES	43,245.70	84,528.37
ENDING BALANCE	\$ 189,855.21	\$ 189,855.21

Funding

Actual	\$ 77,490.00	\$ 193,490.00
Budget	30,072.03	91,857.42
Over/(Under) Budget	\$ 47,417.97	\$ 101,632.58

Summary of Expenditures

Equipment	\$ 22,412.02	\$ 29,241.68
Hydrant Improvements	21,380.00	21,380.00
Building Improvement	-	
Plant Improvements	10,618.76	17,448.42
T&D Improvements	-	9,152.72
Meters	14,745.00	37,714.00
Vehicle	-	-
misc.	-	-
Subtotal	\$ 69,155.78	\$ 114,936.82
Payment of prior year AP	-	-
Expenses above in current year AP	(25,910.08)	(30,408.45)
EXPENDITURES (Cash Basis)	\$ 43,245.70	\$ 84,528.37

Periodic Report on Restricted Accounts

Woonsocket Water Division

Three Month Period of January 2018 thru March 2018

Debt Service Restricted Acct

Cash Balance

		Balance as of
		3/31/2018
Debt Service Fund Checking Acct 1918031726 (Webster)		\$ 15,430.29

Cash Activity

	CURRENT PERIOD	FY2018 YTD
OPENING BALANCE	\$ 15,422.66	\$ 15,406.46
FUNDING	173,644.00	1,319,089.32
INTEREST EARNED	7.63	16.20
EXPENDITURES	173,644.00	1,319,089.32
ENDING BALANCE	\$ 15,430.29	\$ 15,422.66

Funding

Actual	\$ 173,644.00	\$ 1,319,089.32
Budget	710,000.00	1,600,000.00
Over/(Under) Budget	\$ (536,356.00)	\$ (280,910.68)

Summary of Expenditures

General Obligation Bond

2.7m 7.3% Loan (88)	\$ -	\$ -
Interest	-	-

Water Bonds

6.4m 5.06% Loan (94)	-	-
Interest	-	-

RI Clean Water Finance Agency:

\$10M IFR LOAN	-	535,000.00
Interest	88,735.00	187,528.00
\$4M IFR LOAN	-	204,000.00
Interest	29,716.00	62,390.00
\$4.4M IFR LOAN	-	186,000.00
Interest	41,463.00	83,724.31
ADMINISTRATION	13,730.00	60,447.01
	\$ 173,644.00	\$ 1,319,089.32

Periodic Report on Restricted Accounts

Woonsocket Water Division

Three Month Period of January 2018 thru March 2018

Chemical Restricted Acct

Cash Balance

Chemical Fund	Checking Acct 1918032301 (Webster)	Balance as of 3/31/2018
		<u>\$ 52,681.11</u>

Cash Activity

	CURRENT PERIOD	FY2018 YTD
OPENING BALANCE	\$ 102,631.57	\$ 25,860.19
FUNDING	-	180,000.00
INTEREST EARNED	-	-
EXPENDITURES	49,950.46	153,179.08
ENDING BALANCE	<u>\$ 52,681.11</u>	<u>\$ 52,681.11</u>

Funding

Actual	\$ -	\$ 180,000.00
Budget	99,237.69	303,129.47
Over/(Under) Budget	<u>\$ (99,237.69)</u>	<u>\$ (123,129.47)</u>

Summary of Expenditures

Chemicals	\$ 49,950.46	\$ 153,179.08
GAC Replacement	-	-
	<u>\$ 49,950.46</u>	<u>\$ 153,179.08</u>

Periodic Report on Restricted Accounts

Woonsocket Water Division

Three Month Period of January 2018 thru March 2018

Infrastructure Replacement Restricted Acct

Cash Balance

	Balance as of 3/31/2018
IFR Fund Checking Acct 1918032291 (Webster)	\$ 2,264,118.58
IFR Fund Investment Acct 1918032806 (Webster)	974,273.46
Plant Improvements Investment Acct 1918032914 (Webster)	265,681.08
	\$ 3,504,073.12

Cash Activity

	CURRENT PERIOD	FY2018 YTD
OPENING BALANCE	\$ 7,356,656.93	\$ 6,916,666.90
FUNDING	-	1,733,553.98
INTEREST EARNED	3,218.29	8,865.07
TRANSFERS to revenue to Cover Wire pymts	3,728,180.00	3,728,180.00
EXPENDITURES	127,622.10	1,426,832.83
ENDING BALANCE	\$ 3,504,073.12	\$ 3,504,073.12

Funding

Actual	\$ -	\$ 1,733,553.98
Budget	426,020.40	1,301,313.39
Over/(Under) Budget	\$ (426,020.40)	\$ 432,240.59

Summary of Expenditures

Source of Supply

Water Supply Project	\$ -	\$ -
Emergency Action Plan	-	-
Reservoir- Dam Project	-	-
wssp 5 year update	-	-

Treatment

Avenue A Site	-	-
Old WTP REPLACEMENTS	-	21,070.00
New WTP	2,396,832.80	4,012,300.11

Transmission & Distribution

Studies - Flushing	-	-
T&D Improvements	22,326.16	51,648.02
Mt St Charles Tank Highland Tank	19,595.00	65,357.50
Mains - Cumb/Woon Interconnect	29,984.10	47,271.32
Mains - Pawt/Woon Interconnect	-	-
Mt St Charles MAIN	7,161.39	778,066.62
Park Ave	35,931.67	35,931.67
2007 \$2.1M WTP TransMain-Manville Rd	-	-
2008 \$2.1M WTP TransMain-Remaining	-	-
Distribution - (\$8,357,100 over 4 years) Fairmount Project	-	-
IFR REPORT UPDATE	19,643.00	38,218.00
Hydrants	-	-
Meters	14,000.00	14,000.00

Subtotal	\$ 2,545,474.12	\$ 5,063,863.24
Payment of prior year AP	-	288,186.61
Payment made Directly from Revenue	(2,220,815.00)	(3,728,180.00)
Expenses above in current year AP	(197,037.02)	(197,037.02)
EXPENDITURES (Cash Basis)	\$ 127,622.10	\$ 1,426,832.83

(0.00) - -

Periodic Report on Restricted Accounts

Woonsocket Water Division

Three Month Period of January 2018 thru March 2018

Consumption and Accounts Receivable.....

Consumption (HCF)

	<u>CURRENT PERIOD</u>	<u>FY2018 YTD</u>
Actual	359,853	1,186,600
Budget per Docket 4320	346,585	1,169,707
Over/(Under) Budget	13,268	16,893

Accounts Receivable

	Balance as of <u>3/31/2018</u>
Under 30 Days	\$ 1,902,164
30 to 60 Days	2,577
60 to 90 Days	258,989
over 90 Days	719,692
	<u>\$ 2,883,422</u>

Periodic Report on Restricted Accounts

Woonsocket Water Division

Three Month Period of April 2018 thru June 2018

Index to Schedules:

<u>Schedule</u>	<u>Page</u>
Renewal & Replacement Restricted Acct	2
Debt Service Restricted Acct	3
Chemical Restricted Acct	4
Infrastructure Replacement Restricted Acct	5
Revenue Fund Cash Balance.....	6
Consumption and Accounts Receivable.....	7

Periodic Report on Restricted Accounts

Woonsocket Water Division

Three Month Period of April 2018 thru June 2018

Renewal & Replacement Restricted Acct

Cash Balance

		Balance as of 6/30/2018
R&R Fund	Checking Acct 1918032327 (Webster)	\$ 67,492.70
R&R Fund	Investment Acct 1918032822 (Webster)	79,418.69
		\$ 146,911.39

Cash Activity

	<u>CURRENT PERIOD</u>	<u>FY2018 YTD</u>
OPENING BALANCE	\$ 189,855.21	\$ 80,327.39
FUNDING	-	193,490.00
INTEREST EARNED	228.24	794.43
EXPENDITURES	43,172.06	127,700.43
ENDING BALANCE	\$ 146,911.39	\$ 146,911.39

Funding

Actual	\$ -	\$ 193,490.00
Budget	28,142.59	120,000.00
Over/(Under) Budget	\$ (28,142.59)	\$ 73,490.00

Summary of Expenditures

Equipment	\$ 4,063.61	\$ 33,305.29
Hydrant Improvements		21,380.00
Building Improvement		
Plant Improvements		17,448.42
T&D Improvements		9,152.72
Meters	8,700.00	46,414.00
Vehicle	-	-
misc.	-	-
Subtotal	\$ 12,763.61	\$ 127,700.43
Payment of prior period AP	30,408.45	-
Expenses above in current year AP	-	-
EXPENDITURES (Cash Basis)	\$ 43,172.06	\$ 127,700.43
	-	-

Periodic Report on Restricted Accounts

Woonsocket Water Division

Three Month Period of April 2018 thru June 2018

Debt Service Restricted Acct

Cash Balance

		Balance as of
		6/30/2018
Debt Service Fund Checking Acct 1918031726 (Webster)		\$ 15,438.36

Cash Activity

	<u>CURRENT PERIOD</u>	<u>FY2018 YTD</u>
OPENING BALANCE	\$ 15,430.29	\$ 15,406.46
FUNDING	-	1,319,089.32
INTEREST EARNED	8.07	31.90
EXPENDITURES	-	1,319,089.32
ENDING BALANCE	\$ 15,438.36	\$ 15,438.36

Funding

Actual	\$ -	\$ 1,319,089.32
Budget	-	1,600,000.00
Over/(Under) Budget	\$ -	\$ (280,910.68)

Summary of Expenditures

General Obligation Bond

<u>2.7m 7.3% Loan (88)</u>	\$ -	\$ -
Interest	-	-

Water Bonds

<u>6.4m 5.06% Loan (94)</u>	-	-
Interest	-	-

RI Clean Water Finance Agency:

<u>\$10M IFR LOAN</u>	-	535,000.00
Interest	-	187,528.00
<u>\$4M IFR LOAN</u>	-	204,000.00
Interest	-	62,390.00
<u>\$4.4M IFR LOAN</u>	-	186,000.00
Interest	-	83,724.31
<u>ADMINISTRATION</u>	-	60,447.01
	\$ -	\$ 1,319,089.32

Periodic Report on Restricted Accounts

Woonsocket Water Division

Three Month Period of April 2018 thru June 2018

Chemical Restricted Acct

Cash Balance

		Balance as of
		6/30/2018
Chemical Fund	Checking Acct 1918032301 (Webster)	\$ 55,299.34

Cash Activity

	<u>CURRENT PERIOD</u>	<u>FY2018 YTD</u>
OPENING BALANCE	\$ 52,681.11	\$ 25,860.19
FUNDING	216,000.00	396,000.00
INTEREST EARNED	-	-
EXPENDITURES	213,381.77	366,560.85
ENDING BALANCE	\$ 55,299.34	\$ 55,299.34

Funding

Actual	\$ 216,000.00	\$ 396,000.00
Budget	92,870.53	396,000.00
Over/(Under) Budget	\$ 123,129.47	\$ -

Summary of Expenditures

Chemicals	\$ 213,381.77	\$ 366,560.85
GAC Replacement	-	-
	\$ 213,381.77	\$ 366,560.85

Periodic Report on Restricted Accounts

Woonsocket Water Division

Three Month Period of April 2018 thru June 2018

Infrastructure Replacement Restricted Acct

Cash Balance

		Balance as of
		6/30/2018
IFR Fund	Checking Acct 1918032291 (Webster)	\$ 1,525,904.87
IFR Fund	Investment Acct 1918032806 (Webster)	977,081.52
Plant Improvements	Investment Acct 1918032914 (Webster)	266,446.83
		<u>\$ 2,769,433.22</u>

Cash Activity

	<u>CURRENT PERIOD</u>	<u>FY2018 YTD</u>
OPENING BALANCE	\$ 3,504,073.12	\$ 6,916,666.90
FUNDING	425,000.00	2,158,553.98
INTEREST EARNED	3,573.81	12,438.88
TRANSFERS to revenue to Cover Wire pymts	916,190.00	4,644,370.00
EXPENDITURES	247,023.71	1,673,856.54
ENDING BALANCE	<u>\$ 2,769,433.22</u>	<u>\$ 2,769,433.22</u>

Funding

Actual	\$ 425,000.00	\$ 2,158,553.98
Budget	398,686.61	1,700,000.00
Over/(Under) Budget	<u>\$ 26,313.39</u>	<u>\$ 458,553.98</u>

Summary of Expenditures

Source of Supply

Water Supply Project	\$ -	\$ -
Emergency Action Plan	-	-
Reservoir- Dam Project	15,645.00	15,645.00
wssp 5 year update	-	-

Treatment

Avenue A Site	-	-
Old WTP REPLACEMENTS	-	21,070.00
New WTP	1,089,306.77	5,101,606.88

Transmission & Distribution

Studies - Flushing	-	-
T&D Improvements	15,796.01	67,444.03
Mt St Charles Tank Highland Tank	84,957.31	150,314.81
Mains - Cumb/Woon Interconnect	19,355.21	66,626.53
Mains - Pawt/Woon Interconnect	-	-
Mt St Charles MAIN	-	778,066.62
Park Ave	23,231.37	59,163.04
2007 \$2.1M WTP TransMain-Manville Rd	-	-
2008 \$2.1M WTP TransMain-Remaining	-	-
Distribution - (\$8,357,100 over 4 years) Fairmount Project	-	-
IFR REPORT UPDATE	5,463.00	43,681.00
Hydrants	-	-
Meters	10,104.23	24,104.23
Subtotal	<u>\$ 1,263,858.90</u>	<u>\$ 6,327,722.14</u>
Payment of prior year AP	-	288,186.61
Payment made Directly from Revenue	(916,190.00)	(4,644,370.00)
Expenses above in current year AP	(100,645.19)	(297,682.21)
EXPENDITURES (Cash Basis)	<u>\$ 247,023.71</u>	<u>\$ 1,673,856.54</u>

Periodic Report on Restricted Accounts

Woonsocket Water Division

Three Month Period of April 2018 thru June 2018

Revenue Fund Cash Balance.....

<u>Cash Balance</u>	Balance as of 6/30/2018
Revenue Fund (Main Checking) Checking Acct 1918031205 (Webster)	\$ 4,077,119.79
Revenue Fund Investment Acct 1918032815 (Webster)	2,237,659.27
Rate Case Bank Acct Checking Acct 1918032310 (Webster)	84,910.86 *
EPA Grant Checking Acct 1918031825 (Webster)	816.31
	<u>\$ 6,400,506.23</u>

<u>Cash Activity</u>	<u>CURRENT PERIOD</u>	<u>FY2018 YTD</u>
OPENING BALANCE	\$ 6,169,677.51	\$ 5,885,219.24
REVENUE COLLECTIONS (incldues transfers)	1,955,159.27	8,469,191.61
INTEREST EARNED	8,002.54	30,588.15
TRANSFERS From IFR to Cover Wire pymts	916,190.00	4,644,370.00
TRANSFERS TO RESTRICTED ACCTS	641,000.00	4,067,133.30
Payment for IFR made Directly from Revenue	916,190.00	4,644,370.00
EXPENDITURES	1,091,333.09	3,917,359.47
ENDING BALANCE	<u>\$ 6,400,506.23</u>	<u>\$ 6,400,506.23</u>

<u>Budgeted Transfers to Restricted Accts</u>		
Actual	\$ 641,000.00	\$ 4,067,133.30
Budget	519,699.73	3,816,000.00
Over/(Under) Budget	<u>\$ 121,300.27</u>	<u>\$ 251,133.30</u>

*Rate Case Fund is no longer restricted under Docket 4320

Periodic Report on Restricted Accounts

Woonsocket Water Division

Three Month Period of April 2018 thru June 2018

Consumption and Accounts Receivable.....

Consumption (HCF)

	CURRENT PERIOD	FY2018 YTD
Actual	346,714	1,533,315
Budget per Docket 4320	377,589	1,547,297
Over/(Under) Budget	(30,875)	(13,982)

Accounts Receivable

	Balance as of 6/30/2018
Under 30 Days	\$ 1,851,129
30 to 60 Days	1,857
60 to 90 Days	206,392
over 90 Days	719,296
	\$ 2,778,674

Periodic Report on Restricted Accounts

Woonsocket Water Division

Three Month Period of July 2018 thru September 2018

Index to Schedules:

<u>Schedule</u>	<u>Page</u>
Renewal & Replacement Restricted Acct	2
Debt Service Restricted Acct	3
Chemical Restricted Acct	4
Infrastructure Replacement Restricted Acct	5
Revenue Fund Cash Balance.....	6
Consumption and Accounts Receivable.....	7

Periodic Report on Restricted Accounts

Woonsocket Water Division

Three Month Period of July 2018 thru September 2018

Renewal & Replacement Restricted Acct

Cash Balance

		Balance as of 9/30/2018
R&R Fund	Checking Acct 1918032327 (Webster)	\$ 120,342.65
R&R Fund	Investment Acct 1918032822 (Webster)	79,659.14
		\$ 200,001.79

Cash Activity

	<u>CURRENT PERIOD</u>	<u>FY2019 YTD</u>
OPENING BALANCE	\$ 146,911.39	\$ 146,911.39
FUNDING	145,000.00	145,000.00
INTEREST EARNED	240.45	240.45
EXPENDITURES	92,150.05	92,150.05
ENDING BALANCE	\$ 200,001.79	\$ 200,001.79

Funding

Actual	\$ 145,000.00	\$ 145,000.00
Budget	28,825.12	28,825.12
Over/(Under) Budget	\$ 116,174.88	\$ 116,174.88

Summary of Expenditures

Equipment	\$ 89,795.74	\$ 89,795.74
Hydrant Improvements		
Building Improvement		
Plant Improvements	3,285.05	3,285.05
T&D Improvements	-	-
Meters	8,700.00	8,700.00
Vehicle	-	-
misc.	-	-
Subtotal	\$ 101,780.79	\$ 101,780.79
Payment of prior period AP		-
Expenses above in current year AP	(9,630.74)	(9,630.74)
EXPENDITURES (Cash Basis)	\$ 92,150.05	\$ 92,150.05
	-	-

Periodic Report on Restricted Accounts

Woonsocket Water Division

Three Month Period of July 2018 thru September 2018

Debt Service Restricted Acct

Cash Balance

		Balance as of
		9/30/2018
Debt Service Fund Checking Acct 1918031726 (Webster)		\$ 6,944.48

Cash Activity

	<u>CURRENT PERIOD</u>	<u>FY2019 YTD</u>
OPENING BALANCE	\$ 15,438.36	\$ 15,438.36
FUNDING	1,188,233.07	1,188,233.07
INTEREST EARNED	6.12	6.12
EXPENDITURES	1,196,733.07	1,196,733.07
ENDING BALANCE	\$ 6,944.48	\$ 6,944.48

Funding

Actual	\$ 1,188,233.07	\$ 1,188,233.07
Budget	890,000.00	890,000.00
Over/(Under) Budget	\$ 298,233.07	\$ 298,233.07

Summary of Expenditures

General Obligation Bond

<u>2.7m 7.3% Loan (88)</u>	\$ -	\$ -
Interest	-	-

Water Bonds

<u>6.4m 5.06% Loan (94)</u>	-	-
Interest	-	-

RI Clean Water Finance Agency:

<u>\$10M IFR LOAN</u>	555,000.00	555,000.00
Interest	99,735.00	99,735.00
<u>\$4M IFR LOAN</u>	211,000.00	211,000.00
Interest	34,499.00	34,499.00
<u>\$4.4M IFR LOAN</u>	189,000.00	189,000.00
Interest	39,388.00	39,388.00
<u>\$12.5M New Plant LOAN</u>	1,000.00	1,000.00
Interest	47,912.00	47,912.00
<u>ADMINISTRATION</u>	19,199.07	19,199.07
	\$ 1,196,733.07	\$ 1,196,733.07

Periodic Report on Restricted Accounts

Woonsocket Water Division

Three Month Period of July 2018 thru September 2018

Chemical Restricted Acct

Cash Balance

		Balance as of
		9/30/2018
Chemical Fund	Checking Acct 1918032301 (Webster)	\$ 107,044.83

Cash Activity

	CURRENT PERIOD	FY2019 YTD
OPENING BALANCE	\$ 55,299.34	\$ 55,299.34
FUNDING	99,000.00	99,000.00
INTEREST EARNED	-	-
EXPENDITURES	47,254.51	47,254.51
ENDING BALANCE	\$ 107,044.83	\$ 107,044.83

Funding

Actual	\$ 99,000.00	\$ 99,000.00
Budget	95,122.90	95,122.90
Over/(Under) Budget	\$ 3,877.10	\$ 3,877.10

Summary of Expenditures

Chemicals	\$ 47,254.51	\$ 47,254.51
GAC Replacement	-	-
	\$ 47,254.51	\$ 47,254.51

Periodic Report on Restricted Accounts

Woonsocket Water Division

Three Month Period of July 2018 thru September 2018

Infrastructure Replacement Restricted Acct

<u>Cash Balance</u>		Balance as of 9/30/2018
IFR Fund	Checking Acct 1918032291 (Webster)	\$ 7,385,766.61
IFR Fund	Investment Acct 1918032806 (Webster)	980,039.83
Plant Improvements	Investment Acct 1918032914 (Webster)	267,253.55
		<u>\$ 8,633,059.99</u>

<u>Cash Activity</u>	<u>CURRENT PERIOD</u>	<u>FY2019 YTD</u>
OPENING BALANCE	\$ 2,769,433.22	\$ 2,769,433.22
FUNDING	1,463,572.00	1,463,572.00
REIMB FROM BOND PROCEEDS	4,644,370.00	4,644,370.00
INTEREST EARNED	3,765.03	3,765.03
TRANSFERS to revenue to Cover Wire pymts	-	-
EXPENDITURES	248,080.26	248,080.26
ENDING BALANCE	<u>\$ 8,633,059.99</u>	<u>\$ 8,633,059.99</u>

<u>Funding</u>		
Actual	\$ 1,463,572.00	\$ 1,463,572.00
Budget	408,355.90	408,355.90
Over/(Under) Budget	<u>\$ 1,055,216.10</u>	<u>\$ 1,055,216.10</u>

Summary of Expenditures

<u>Source of Supply</u>		
Water Supply Project	\$ -	\$ -
Emergency Action Plan	-	-
Reservoir- Dam Project wssp 5 year update	2,102.50	2,102.50
<u>Treatment</u>		
Avenue A Site Old WTP REPLACEMENTS New WTP	1,050.00	1,050.00
<u>Transmission & Distribution</u>		
Studies - Flushing T&D Improvements Mt St Charles Tank Highland Tank Mains - Cumb/Woon Interconnect Mains - Pawt/Woon Interconnect Mt St Charles MAIN Park Ave	29,154.00	29,154.00
2007 \$2.1M WTP TransMain-Manville Rd 2008 \$2.1M WTP TransMain-Remaining Distribution - (\$8,357,100 over 4 years) Fairmount Project	2,780.00	2,780.00
IFR REPORT UPDATE	2,780.00	2,780.00
Hydrants Meters	1,857.96	1,857.96
Subtotal	<u>\$ 39,893.68</u>	<u>\$ 39,893.68</u>
Payment of prior year AP	208,186.58	208,186.58
Payment made Directly from Revenue	-	-
Expenses above in current year AP	-	-
EXPENDITURES (Cash Basis)	<u>\$ 248,080.26</u>	<u>\$ 248,080.26</u>

Periodic Report on Restricted Accounts

Woonsocket Water Division

Three Month Period of July 2018 thru September 2018

Revenue Fund Cash Balance.....

Cash Balance

	Balance as of 9/30/2018
Revenue Fund (Main Checking) Checking Acct 1918031205 (Webster)	\$ 864,252.67
Revenue Fund Investment Acct 1918032815 (Webster)	2,246,695.61
Rate Case Bank Acct Checking Acct 1918032310 (Webster)	81,831.57 *
EPA Grant Checking Acct 1918031825 (Webster)	816.75
	\$ 3,193,596.60

Cash Activity

	CURRENT PERIOD	FY2019 YTD
OPENING BALANCE	\$ 6,400,506.23	\$ 6,400,506.23
REVENUE COLLECTIONS (incldues transfers)	1,884,538.60	1,884,538.60
INTEREST EARNED	9,036.78	9,036.78
TRANSFERS From IFR to Cover Wire pymts	-	-
TRANSFERS TO RESTRICTED ACCTS	2,895,805.07	2,895,805.07
Payment for IFR made Directly from Revenue	-	-
EXPENDITURES	2,204,679.94	2,204,679.94
ENDING BALANCE	\$ 3,193,596.60	\$ 3,193,596.60

Budgeted Transfers to Restricted Accts

Actual	\$ 2,895,805.07	\$ 2,895,805.07
Budget	1,422,303.92	1,422,303.92
Over/(Under) Budget	\$ 1,473,501.15	\$ 1,473,501.15

*Rate Case Fund is no longer restricted under Docket 4320

Periodic Report on Restricted Accounts

Woonsocket Water Division

Three Month Period of July 2018 thru September 2018

Consumption and Accounts Receivable.....

Consumption (HCF)

	CURRENT PERIOD	FY2019 YTD
Actual	441,001	441,001
Budget per Docket 4320	474,656	474,656
Over/(Under) Budget	(33,655)	(33,655)

Accounts Receivable

	Balance as of 9/30/2018
Under 30 Days	\$ 2,235,338
30 to 60 Days	4,310
60 to 90 Days	246,625
over 90 Days	740,664
	\$ 3,226,937

TO: R.I. Public Utilities Commission
FROM: Woonsocket Water Division
Woonsocket, R.I.

Semi-Annual Filing Of Financial And Operating Data For The Six-Month Period Ending:

Original
12/31/2017

Signature

Date

Title: _____

Index to Schedules:

<u>Schedule</u>	<u>Page</u>
Cost of Service/Operating Results	2
Revenue Summary	3
Expenditure/Debt Repayment Data	4
Debt Service/Capital Leases Payments	5
Property Tax Expense Summary	6
Personnel Data	7
Cash & Investment Account Data	8
Restricted Accounts Summary	9

Cost Of Service / Operating Results

For the 6 -month period ended: 12/31/2017
(Note: Please insert whole dollar amounts, do not record cents.)

Revenues

Water Sales	\$4,054,705
Interest Income	\$ 82,419
Miscellaneous Income	\$ 6,520
Retainage on Surcharge	\$ 11,280
Total Revenue	<u>\$4,154,924</u>

Expenditures

Operations/Maintenance:

Source of Supply/Purchased Water \$ 1,259

Pumping Operations:

Water Treatment	\$ 52,036
Transmission & Distribution	\$ 74,742
Customer Account	\$ 25,968
Administrative & General	\$ 613,695
Total Operations	<u>\$ 767,699</u>

Debt Service--Principal	\$ 925,000
--Interest	\$ 220,445

(Reflects Disbursements From Restricted Account)

Capital Expenses (Funding Restricted Accounts)	\$1,174,734
Property Taxes	\$ 78,452
Payment/Charges From Affiliates	<u>\$ -</u>

Salaries \$ 805,930

Fixed & General \$ 781,763

Total Expenditures \$4,754,024

Surplus / (Deficit) From Operations \$ (599,100)

NOTE: CAPITAL EXPENSES INCLUDE FUNDING FOR ALL RESTRICTED ACCOUNTS EXCEPT DEBT SERVICE

Revenue Summary

	FY2018 <u>Current Reporting Year</u>		FY2017 <u>Prior Fiscal Year</u>	
	<u>Jul-Dec</u>	<u>Year</u>	<u>Jul-Dec</u>	<u>Year</u>
	<u>Six Mos</u>		<u>Six Mos</u>	
Retail Sales	\$ 3,976,888	\$3,976,888	\$4,155,738	\$ 7,713,311
Fire Service:				
Public	\$ 21,359	\$ 21,359	\$ 21,359	\$ 21,359
Private	\$ 56,458	\$ 56,458	\$ 56,564	\$ 112,792
Public Authorities				
Interest Income:				
Restricted	\$ 6,024	\$ 6,024	\$ 2,779	\$ 7,226
Non-Restricted	\$ 15,843	\$ 15,843	\$ 6,422	\$ 18,088
Late Charges	\$ 60,553	\$ 60,553	\$ 41,055	\$ 96,871
Misc. Services	<u>\$ 6,520</u>	<u>\$ 6,520</u>	<u>\$ 12,287</u>	<u>\$ 32,322</u>
Reimbursed Expenses				
Total Revenues	<u>\$ 4,143,644</u>	<u>\$4,143,644</u>	<u>\$4,296,204</u>	<u>\$ 8,001,968</u>
<u>Other Funding Sources</u>				
Loans From Affiliates				
Short-term Loan Proceed	\$ -	\$ -	\$ -	\$ -
Sale Of Properties				
Grants	\$ -	\$ -	\$ -	\$ -
Surcharge Revenues	<u>\$ 11,280</u>	<u>\$ 11,280</u>	<u>\$ 11,804</u>	<u>\$ 21,707</u>
Water Quality Protection Funds				
Total - Other Funding	<u>\$ 11,280</u>	<u>\$ 11,280</u>	<u>\$ 11,804</u>	<u>\$ 21,707</u>

Expenditure / Debt Repayment Data

List below all disbursements which are not recorded on the 'Cost Of Service / Operating Expense' Schedule; this would include items such as repayment of loans to affiliates, repayment of short-term borrowing, acquisitions from Water Quality Protection Funds, etc.

Nothing to report.

Debt Service / Capital Lease Payments

	FY2018 Jul-Dec Period	FY2018 Total Fiscal Year	FY2017 Prior Fiscal Year	FY2019 Next Fiscal Year
Bond Issues ¹ :				
<u>General Obligation Bond</u>				
<u>2.7m Dated 7-15-88</u>	\$ -	\$ -	\$ -	\$ -
<u>7.3% Due 6-30-10</u>	\$ -	\$ -	\$ -	\$ -
<u>Water Bonds</u>				
<u>6.4m Dated 3-1-94</u>	\$ -	\$ -	\$ -	\$ -
<u>5.06% Due 3-1-14</u>	\$ -	\$ -	\$ -	\$ -
<u>RI Clean Water Finance Agency:</u>				
<u>\$10M IFR LOAN</u>	\$ 535,000	\$ 535,000	\$ 520,000	\$ 555,000
<u>Interest</u>	\$ 98,793	\$ 98,793	\$ 207,154	\$ 166,841
<u>\$4M IFR LOAN</u>	\$ 204,000	\$ 204,000	\$ 197,000	\$ 211,000
<u>Interest</u>	\$ 32,674	\$ 32,674	\$ 68,146	\$ 56,320
<u>\$4.4M IFR LOAN</u>	\$ 186,000	\$ 186,000	\$ 184,000	\$ 189,000
<u>Interest</u>	\$ 42,261	\$ 42,261	\$ 85,156	\$ 81,874
<u>ADMINISTRATION</u>	\$ 46,717	\$ 46,717	\$ 55,660	\$ 46,500
Totals	<u>\$ 1,145,445</u>	<u>\$ 1,145,445</u>	<u>\$1,317,116</u>	<u>\$ 1,306,535</u>

¹ List debt service payments / commitments separately for each bond issue or capital lease; show year of issue, amount, rate and date of final payment in this column.

Disclose source of funding entity, initial and final date of lease payments, imputed interest rates, etc.

Property Tax Expense Summary

<u>Municipality</u>	<u>July-Dec Expense This Period</u>	<u>FY2017 Expense Fiscal Year</u>	<u>FY2016 Prior Fiscal Year</u>
<u>Albion Fire</u>	\$ 562	\$ 562	\$ 755
<u>Blackstone, MA</u>	\$ 2,923	\$ 2,923	\$ 21,715
<u>Lincoln, RI</u>	\$ 7,172	\$ 7,172	\$ 14,079
<u>Manville Fire</u>	\$ 535	\$ 535	\$ 418
<u>North Smithfield, RI</u>	\$ 59,224	\$ 59,224	\$ 114,197
<u>Smithfield, RI</u>	\$ 8,036	\$ 8,036	\$ 15,312
Totals	\$ 78,452	\$ 78,452	\$ 166,476

Personnel Data

For the current fiscal year, record the number authorized and employed as of the last week of the month:

	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	<u>November</u>	<u>December</u>
Authorized	36	36	36	36	36	36
Full Time	32	30	30	30	30	31
Part Time						
Temporary	1	1	1	1	1	1
Injured						
Totals	33	31	31	31	31	32
	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>
Authorized						
Full Time						
Part Time						
Temporary						
Injured						
Totals	0	0	0	0	0	0

Notes: Aug-17 Utility Person position vacant
 Aug-17 Water Treatment Plant Operator position vacant
 Dec-17 Meter Reader position filled

Cash & Investments Account Data

For the current fiscal year, report balances for all cash and investments accounts; report separately balances for accounts restricted by PUC orders, grants, etc.

<u>Account Description</u>	<u>July 1</u>	Balances at: <u>Dec 31</u>	<u>June 30</u>
----------------------------	---------------	--------------------------------------	----------------

Water Revenue Fund

This Data is no longer provided with the Semi-Annual report. This data is now provided on Woonsocket's Quarterly Report filings. The data for the periods 7/1/17 - 12/31/17 can be found on the Sept 17 & Dec 17 Quarterly Reports.

The change in reporting requirements for Woonsocket's Annual, Semi-annual and periodic reports was the results of a meeting of Commission and Division staff along with WWD on December 11, 2012. One of the changes instituted was to replace the 4-month report with a quarterly report. Woonsocket use to file a 4- month periodic report which did not coincide with the December or June Semi-annual reports. Since the quarterly reports will now coincide with December and June ending periods this page is no longer required.

Restricted Accounts Summary

For each account restricted by PUC report and order, list the accounts separately and show account activity for current fiscal period to date of this report. If the last ('Balance') column is for date other than the end of the current reporting period insert that date above the column.

<u>Account Description</u> ³	<u>July 1</u>	<u>Funding</u>	<u>Interest</u>	<u>Expenses</u>	<u>Balance</u>
<u>Infrastructure Replacement</u> <u>Docket 3800 Funding-\$1,956,000</u>					
<u>Renewal & Replacement</u> <u>Docket 3800 Funding-\$150,000</u>					
<u>Debt Service</u> <u>Docket 3800 Funding-\$1,832,067</u>					
<u>Chemicals</u> <u>Docket 3800 Funding-\$296,000</u>					
<u>Rate Case Expense</u> <u>Docket 3800 Funding-\$69864</u>					

This Data is no longer provided with the Semi-Annual report. This data is now provided on Woonsocket's Quarterly Report filings. The data for the periods 7/1/17 - 12/31/17 can be found on the Sept 17 & Dec 17 Quarterly Reports.

The change in reporting requirements for Woonsocket's Annual, Semi-annual and periodic reports was the results of a meeting of Commission and Division staff along with WWD on December 11, 2012. One of the changes instituted was to replace the 4-month report with a quarterly report. Woonsocket use to file a 4- month periodic report which did not coincide with the December or June Semi-annual reports. Since the quarterly reports will now coincide with December and June ending periods this page is no longer required.

EXHIBIT 1-4

Albion Fire District : http://www.fdalbionri.org		
Remit Tax Payment to: ALBION FIRE DISTRICT PO BOX 579 ALBION RI 02802	Information: ---- PLEASE READ THE BACK OF THIS BILL THERE IS IMPORTANT INFORMATION ---- @ Please include the bottom portion of the bill with your check.	Tax Rate: PER \$1,000 VALUATION Real : 1.54 Tangible : 3.00 Comm : 1.86 Notice of Tax Assessed : 12/31/2016

Telephone : (401) 333-6798

Page 1 of 1

Account Number: F23-17200-01

WOONSOCKET CITY OF
 WATER DIVISION
 P O BOX B
 WOONSOCKET RI 02895



Check your balance and pay on-line at : www.RIEgov.com

Your Account number is : **F23-17200-01**

The PIN # to access your account is : **ZGK-DBP**

Description	Assessment	Annual Tax
40-008.0 at 0 OLD GREAT RD	116,400	\$216.50

Total Current Tax Bill \$216.50

PAST DUE TAX BILLS											
Description	Original Bill	-	Adjustments	-	Payments	=	Balance Due	+	Interest	=	Amount Due
This account has no past due bills.											

Albion Fire District : <http://www.fdalbionri.org>

Remit Tax Payment to: ALBION FIRE DISTRICT PO BOX 579 ALBION RI 02802	Information: ---- PLEASE READ THE BACK OF THIS BILL THERE IS IMPORTANT INFORMATION ---- @ Please include the bottom portion of the bill with your check.	Tax Rate: PER \$1,000 VALUATION Real : 1.54 Tangible : 3.00 Comm : 1.86 Notice of Tax Assessed : 12/31/2016
---	---	--

Telephone : (401) 333-6798

Page 1 of 1

Account Number: F23-17200-06

WOONSOCKET CITY OF
 WATER DIVISION
 P O BOX B
 WOONSOCKET RI 02895



Check your balance and pay on-line at : www.RIEgov.com

Your Account number is : **F23-17200-06**

The PIN # to access your account is : **SLF-RTD**

Description	Assessment	Annual Tax
41-022.0 at 0 RESERVOIR RD	120,700	\$185.88

Total Current Tax Bill \$185.88

PAST DUE TAX BILLS

Description Original Bill - Adjustments - Payments = Balance Due + Interest = Amount Due

This account has no past due bills.

Albion Fire District 1st Payment 2017

Albion Fire District 2nd Payment 2017

Albion Fire District : <http://www.fdalbionri.org>

Remit Tax Payment to: ALBION FIRE DISTRICT PO BOX 579 ALBION RI 02802	Information: ---- PLEASE READ THE BACK OF THIS BILL THERE IS IMPORTANT INFORMATION ---- @ Please include the bottom portion of the bill with your check.	Tax Rate: PER \$1,000 VALUATION Real : 1.54 Tangible : 3.00 Comm : 1.86 Notice of Tax Assessed : 12/31/2016
---	---	--

Telephone : (401) 333-6798

Page 1 of 1

Account Number: F23-17200-07

WOONSOCKET CITY OF
 WATER DIVISION
 P O BOX B
 WOONSOCKET RI 02895



Check your balance and pay on-line at : www.RIEgov.com

Your Account number is : **F23-17200-07**

The PIN # to access your account is : **QCY-MVG**

Description	Assessment	Annual Tax
41-040.0 at 0 EDDIE DOWLING HWY	22,300	\$34.34

Total Current Tax Bill \$34.34

PAST DUE TAX BILLS

Description	Original Bill	-	Adjustments	-	Payments	=	Balance Due	+	Interest	=	Amount Due
This account has no past due bills.											

Albion Fire District : <http://www.fdalbionri.org>

Remit Tax Payment to: ALBION FIRE DISTRICT PO BOX 579 ALBION RI 02802	Information: ---- PLEASE READ THE BACK OF THIS BILL THERE IS IMPORTANT INFORMATION ---- @ Please include the bottom portion of the bill with your check.	Tax Rate: PER \$1,000 VALUATION Real : 1.54 Tangible : 3.00 Comm : 1.86 Notice of Tax Assessed : 12/31/2016
---	---	--

Telephone : (401) 333-6798

Page 1 of 1

Account Number: F23-17200-08

WOONSOCKET CITY OF
 WATER DIVISION
 P O BOX B
 WOONSOCKET RI 02895



Check your balance and pay on-line at : www.RIeGov.com
 Your Account number is : **F23-17200-08**
 The PIN # to access your account is : **ZBH-PHN**

Description	Assessment	Annual Tax
41-043.0 at 0 RESERVOIR RD	300	\$0.46
Minimum Tax Adj.		\$29.54

Total Current Tax Bill \$30.00

PAST DUE TAX BILLS						
Description	Original Bill	-	Adjustments	-	Payments	= Balance Due + Interest = Amount Due
This account has no past due bills.						

Albion Fire District : <http://www.fdalbionri.org>

Remit Tax Payment to: ALBION FIRE DISTRICT PO BOX 579 ALBION RI 02802	Information: ---- PLEASE READ THE BACK OF THIS BILL THERE IS IMPORTANT INFORMATION ---- @ Please include the bottom portion of the bill with your check.	Tax Rate: PER \$1,000 VALUATION Real : 1.54 Tangible : 3.00 Comm : 1.86 Notice of Tax Assessed : 12/31/2016
---	---	--

Telephone : (401) 333-6798

Page 1 of 1

Account Number: F23-17200-09

WOONSOCKET CITY OF
WATER DIVISION
P O BOX B
WOONSOCKET RI 02895



Check your balance and pay on-line at : www.RIEgov.com

Your Account number is : **F23-17200-09**

The PIN # to access your account is : **NKK-WGQ**

Description	Assessment	Annual Tax
41-041.0 at 65 OLD SAYLES HILL RD	93,300	\$173.54

Total Current Tax Bill \$173.54

PAST DUE TAX BILLS

Description	Original Bill	-	Adjustments	-	Payments	=	Balance Due	+	Interest	=	Amount Due
This account has no past due bills.											

Albion Fire District : <http://www.fdalbionri.org>

Remit Tax Payment to: ALBION FIRE DISTRICT PO BOX 579 ALBION RI 02802	Information: ---- PLEASE READ THE BACK OF THIS BILL THERE IS IMPORTANT INFORMATION ---- @ Please include the bottom portion of the bill with your check.	Tax Rate: PER \$1,000 VALUATION Real : 1.54 Tangible : 3.00 Comm : 1.86 Notice of Tax Assessed : 12/31/2016
---	---	--

Telephone : (401) 333-6798

Page 1 of 1

Account Number: F23-17200-11

WOONSOCKET CITY OF
 WATER DIVISION
 P O BOX B
 WOONSOCKET RI 02895



Check your balance and pay on-line at : www.RIEgov.com
 Your Account number is : **F23-17200-11**
 The PIN # to access your account is : **RDZ-QJX**

Description	Assessment	Annual Tax
41-044.0/A at 0 ROUTE 295	1,400	\$2.60
Minimum Tax Adj.		\$27.40

Total Current Tax Bill \$30.00

PAST DUE TAX BILLS						
Description	Original Bill	- Adjustments	- Payments	= Balance Due	+ Interest	= Amount Due
This account has no past due bills.						

Albion Fire District 1st Payment 2017

Albion Fire District 2nd Payment 2017

Albion Fire District : <http://www.fdalbionri.org>

Remit Tax Payment to:
 ALBION FIRE DISTRICT
 PO BOX 579
 ALBION RI 02802

Information:
 ---- PLEASE READ THE BACK OF THIS BILL
 THERE IS IMPORTANT INFORMATION ----

 @ Please include the bottom portion of the
 bill with your check.

Tax Rate: PER \$1,000 VALUATION
 Real : **1.51**
 Tangible : **3.00**
 Comm : **1.78**
 Notice of Tax Assessed : **12/31/2015**

Telephone : (401) 333-6798

Page 1 of 1

Account Number: F23-17200-05

WOONSOCKET CITY OF
 WATER DIVISION
 P O BOX B
 WOONSOCKET, RI 02895



Check your balance and pay on-line at : www.RIeGov.com

Your Account number is : **F23-17200-05**

The PIN # to access your account is : **ZJS-YSQ**

Description	Assessment	Annual Tax
40-049.0 at 0 SAYLES HILL RD	59,600	\$106.09
Real Property		\$0.00

Total Current Tax Bill \$106.09

PAST DUE TAX BILLS

Description Original Bill - Adjustments - Payments = Balance Due + Interest = Amount Due

This account has no past due bills.

Albion Fire District 1st Payment 2016

Account Number: F23-17200-05
 Owner: WOONSOCKET CITY OF

Due Date: 12/31/2016

1st Half: \$106.09

Albion Fire District 2nd Payment 2016

Account Number: F23-17200-05
 Owner: WOONSOCKET CITY OF

Due Date: 05/01/2017

2nd Half: \$0.00



1



2

Albion Fire District : <http://www.fdalbionri.org>

Remit Tax Payment to:

ALBION FIRE DISTRICT
PO BOX 579
ALBION RI 02802

Information:

---- PLEASE READ THE BACK OF THIS BILL
THERE IS IMPORTANT INFORMATION ----

@ Please include the bottom portion of the bill with your check.

Tax Rate: PER \$1,000 VALUATION

Real : **1.51**

Tangible : **3.00**

Comm : **1.78**

Notice of Tax Assessed : **12/31/2015**

Telephone : (401) 333-6798

Page 1 of 1

AN-23:001

Account Number: F23-17200-07

WOONSOCKET CITY OF
WATER DIVISION
P O BOX B
WOONSOCKET RI 02895



Check your balance and pay on-line at : www.RIeGov.com

Your Account number is : **F23-17200-07**

The PIN # to access your account is : **QCY-MVG**

Description	Assessment	Annual Tax
41-040.0 at 0 EDDIE DOWLING HWY	22,300	\$33.67

Total Current Tax Bill \$33.67

PAST DUE TAX BILLS

Description Original Bill - Adjustments - Payments = Balance Due + Interest = Amount Due

This account has no past due bills.

Albion Fire District 1st Payment 2016

Account Number: F23-17200-07
Owner: WOONSOCKET CITY OF

Due Date: 12/31/2016

1st Half: \$33.67

Albion Fire District 2nd Payment 2016

Account Number: F23-17200-07
Owner: WOONSOCKET CITY OF

Due Date: 05/01/2017

2nd Half: \$0.00



1



2

Albion Fire District : <http://www.fdalbionri.org>

Remit Tax Payment to:

ALBION FIRE DISTRICT
PO BOX 579
ALBION RI 02802

Information:

---- PLEASE READ THE BACK OF THIS BILL
THERE IS IMPORTANT INFORMATION ----

@ Please include the bottom portion of the bill with your check.

Tax Rate: PER \$1,000 VALUATION

Real : **1.51**

Tangible : **3.00**

Comm : **1.78**

Notice of Tax Assessed : **12/31/2015**

Telephone : (401) 333-6798

Page 1 of 1

AN-23:001

Account Number: F23-17200-11

WOONSOCKET CITY OF
WATER DIVISION
P O BOX B
WOONSOCKET RI 02895



Check your balance and pay on-line at : www.RIeGov.com

Your Account number is : **F23-17200-11**

The PIN # to access your account is : **RDZ-QJX**

Description	Assessment	Annual Tax
41-044.0/A at 0 ROUTE 295	1,400	\$2.49
Minimum Tax Adj.		\$27.51

Total Current Tax Bill \$30.00

PAST DUE TAX BILLS

Description Original Bill - Adjustments - Payments = Balance Due + Interest = Amount Due

This account has no past due bills.

Albion Fire District 1st Payment 2016

Account Number: F23-17200-11
Owner: WOONSOCKET CITY OF

Due Date: 12/31/2016

1st Half: \$30.00

Albion Fire District 2nd Payment 2016

Account Number: F23-17200-11
Owner: WOONSOCKET CITY OF

Due Date: 05/01/2017

2nd Half: \$0.00



1



2

PAYMENT COUPON
REAL ESTATE TAX

Collector of Taxes Catherine Muller		CITY OF WOONSOCKET WATER DIVISION PO BOX B WOONSOCKET, RI 02895	
Your Preliminary Real Estate Tax for the fiscal year beginning July 1, 2018 and ending June 30, 2019 on the Parcel of REAL ESTATE described below is as follows:			
LOCATION: 0 QUICKSTREAM/HARRIS			
Area: 5.24 Acres	CLASS: 130	DEED DATE:	11/12/1943
BOOK / PAGE:	2902/409	CUSTOMER NUMBER:	632444

ISSUE DATE: 06/30/2018	
Parcel: 0180000056	
Bill Number: 2572	
PAYMENT COUPON #1 DUE & PAYABLE AUGUST 1, 2018 \$573.50	

MAIL PAYMENTS TO:
 Town of Blackstone
 P.O. Box 854
 Reading, MA 01867-0407

12482082019800002572600000573501

PAYMENT COUPON #1
REAL ESTATE TAX

Collector of Taxes Catherine Muller		CITY OF WOONSOCKET WATER DIVISION PO BOX B WOONSOCKET, RI 02895	
Your Preliminary Real Estate Tax for the fiscal year beginning July 1, 2018 and ending June 30, 2019 on the Parcel of REAL ESTATE described below is as follows:			
LOCATION: 0 FARM ST OFF			
Area: 16.89 Acres	CLASS: 131	DEED DATE:	06/25/1987
BOOK / PAGE:	10581/223	CUSTOMER NUMBER:	632444

ISSUE DATE: 06/30/2018	
Parcel: 0170000001	
Bill Number: 2267	
PAYMENT COUPON #1 DUE & PAYABLE AUGUST 1, 2018 \$370.31	

MAIL PAYMENTS TO:
 Town of Blackstone
 P.O. Box 854
 Reading, MA 01867-0407

12482082019800002267300000370312

PAYMENT COUPON #1
REAL ESTATE TAX

Collector of Taxes Catherine Muller		CITY OF WOONSOCKET WATER DIVISION PO BOX B WOONSOCKET, RI 02895	
Your Preliminary Real Estate Tax for the fiscal year beginning July 1, 2018 and ending June 30, 2019 on the Parcel of REAL ESTATE described below is as follows:			
LOCATION: 0 QUICKSTREAM/HARRIS			
Area: 3.49 Acres	CLASS: 130	DEED DATE:	11/12/1943
BOOK / PAGE:	2902/409	CUSTOMER NUMBER:	632444

ISSUE DATE: 06/30/2018	
Parcel: 01900000107	
Bill Number: 2715	
PAYMENT COUPON #1 DUE & PAYABLE AUGUST 1, 2018 \$535.00	

MAIL PAYMENTS TO:
 Town of Blackstone
 P.O. Box 854
 Reading, MA 01867-0407

12482082019800002715100000535005



TOWN OF BLACKSTONE
TAX COLLECTOR
15 ST. PAUL STREET
BLACKSTONE, MA 01504
000012 0003226

The Commonwealth of Massachusetts
TOWN OF BLACKSTONE
FY 2019 PRELIMINARY
REAL ESTATE TAX BILL

Area: 5.24 Acres	CLASS: 130	PARCEL NUMBER	0180000056
BOOK / PAGE: 2902/409	DEED DATE:11/12/1943	BILL NUMBER	2572
LOCATION: 0 QUICKSTREAM/HARRIS		CUSTOMER NUMBER:	632444
		Total Preliminary Real Estate Tax FY 2019	\$1,146.99
		First Quarter Due 08/01/2018	\$573.50
		Second Quarter Due 11/01/2018	\$573.49

TAXPAYER COPY

MIXED AADC 021
CITY OF WOONSOCKET
WATER DIVISION
PO BOX B
WOONSOCKET, RI 02895-0985



Phone: Office of the Collector: (508) 876-5117

For Office Hours please go to our website at:
www.townofblackstone.org

To Pay your bill online!
Go to www.townofblackstone.org
*please note: Any payments made after 9pm will be posted on the next business day.

Interest at a rate of 14% per annum will accrue on overdue payments until payment is made.



TOWN OF BLACKSTONE
TAX COLLECTOR
15 ST. PAUL STREET
BLACKSTONE, MA 01504
000012 0003225

The Commonwealth of Massachusetts
TOWN OF BLACKSTONE
FY 2019 PRELIMINARY
REAL ESTATE TAX BILL

Area: 16.89 Acres	CLASS: 131	PARCEL NUMBER	01700000001
BOOK / PAGE: 10581/223	DEED DATE:06/25/1987	BILL NUMBER	2267
LOCATION: 0 FARM ST OFF		CUSTOMER NUMBER:	632444
		Total Preliminary Real Estate Tax FY 2019	\$740.62
		First Quarter Due 08/01/2018	\$370.31
		Second Quarter Due 11/01/2018	\$370.31

TAXPAYER COPY

MIXED AADC 021
CITY OF WOONSOCKET
WATER DIVISION
PO BOX B
WOONSOCKET, RI 02895-0985



Phone: Office of the Collector: (508) 876-5117

For Office Hours please go to our website at:
www.townofblackstone.org

To Pay your bill online!
Go to www.townofblackstone.org
*please note: Any payments made after 9pm will be posted on the next business day.

Interest at a rate of 14% per annum will accrue on overdue payments until payment is made.



TOWN OF BLACKSTONE
TAX COLLECTOR
15 ST. PAUL STREET
BLACKSTONE, MA 01504
000012 0003227

The Commonwealth of Massachusetts
TOWN OF BLACKSTONE
FY 2019 PRELIMINARY
REAL ESTATE TAX BILL

Area: 3.49 Acres	CLASS: 130	PARCEL NUMBER	01900000107
BOOK / PAGE: 2902/409	DEED DATE:11/12/1943	BILL NUMBER	2715
LOCATION: 0 QUICKSTREAM/HARRIS		CUSTOMER NUMBER:	632444
		Total Preliminary Real Estate Tax FY 2019	\$1,070.00
		First Quarter Due 08/01/2018	\$535.00
		Second Quarter Due 11/01/2018	\$535.00

TAXPAYER COPY

MIXED AADC 021
CITY OF WOONSOCKET
WATER DIVISION
PO BOX B
WOONSOCKET, RI 02895-0985



Phone: Office of the Collector: (508) 876-5117

For Office Hours please go to our website at:
www.townofblackstone.org

To Pay your bill online!
Go to www.townofblackstone.org
*please note: Any payments made after 9pm will be posted on the next business day.

Interest at a rate of 14% per annum will accrue on overdue payments until payment is made.



TOWN OF BLACKSTONE
TAX COLLECTOR
15 ST. PAUL STREET
BLACKSTONE, MA 01504
000012 0003252

The Commonwealth of Massachusetts
TOWN OF BLACKSTONE
FY 2018 ACTUAL
REAL ESTATE TAX BILL

Tax Rate	Residential	OpenSpace	Comm.	Industrial
per \$1000	\$ 19.49	\$ 19.49	\$ 19.49	\$ 19.49

Area: 16.890 Acres
BOOK / PAGE: 10581/223 CLASS: 131
LOCATION: 0 FARM ST OFF DEED DATE: 06/25/1987

PARCEL NUMBER	01700000001
BILL NUMBER	664
CUSTOMER NUMBER:	632444

MIXED AADC 021
CITY OF WOONSOCKET
WATER DIVISION
PO BOX B
WOONSOCKET, RI 02895-0985

Land Value	
Building Value	\$76,000
Exemption	\$0
Total Value	\$0
Special Assessments	\$76,000

Total Special Assessments	
Real Estate Tax FY 2018	\$1,481.24
Abatement / Exemption	\$0.00
Total Tax & Assessments	\$1,481.24
Preliminary Tax	\$731.88
Third Quarter Due 02/01/2018	\$374.68
Fourth Quarter Due 05/01/2018	\$374.68

TAXPAYER COPY

Phone: Office of the Collector: (508) 876-5117
Office Hours: Mon., Wed., Thurs., 8:30AM-4:30PM
Tues. 8:30AM-7:30PM
Friday, 8:30AM-NOON

To Pay your bill online go to: www.townofblackstone.org

Interest at a rate of 14% per annum will accrue on overdue payments until payment is made.

ISSUE DATE: 4/1/2018

Collector of Taxes Steve Perrault	CITY OF WOONSOCKET WATER DIVISION PO BOX B WOONSOCKET, RI 02895
Your Actual Real Estate Tax for the fiscal year beginning July 1, 2017 and ending June 30, 2018 on the Parcel of REAL ESTATE described below is as follows:	
LOCATION: 0 FARM ST OFF	
Area: 16.890 Acres	CLASS: 131
BOOK / PAGE: 10581/223	DEED DATE: 06/25/1987
	CUSTOMER NUMBER: 632444

Parcel:	01700000001
Bill Number:	664
Fourth Quarter Tax due	\$374.68
Fourth Quarter Lien	\$0.00
Fourth Quarter Abatement	\$0.00
Fourth Quarter Due 05/01/2018	\$374.68
PAYMENT COUPON #2 DUE & PAYABLE MAY 1, 2018 \$374.68	

MAIL PAYMENTS TO:
Town of Blackstone
P.O. Box 854
Reading, MA 01867-0407

12482082018000000664300000374686

Collector of Taxes Steve Perrault	CITY OF WOONSOCKET WATER DIVISION PO BOX B WOONSOCKET, RI 02895
Your Actual Real Estate Tax for the fiscal year beginning July 1, 2017 and ending June 30, 2018 on the Parcel of REAL ESTATE described below is as follows:	
LOCATION: 0 FARM ST OFF	
Area: 16.890 Acres	CLASS: 131
BOOK / PAGE: 10581/223	DEED DATE: 06/25/1987
	CUSTOMER NUMBER: 632444

ISSUE DATE: 12/31/2017	
Parcel:	01700000001
Bill Number:	664
Preliminary Tax	\$731.88
Payments Made	\$731.04
Tax Balance	\$0.84
Interest on Balance	\$0.03
Third Quarter now due	\$374.68
Third Quarter Lien	\$0.00
Third Quarter Abatement	\$0.00
Amount Due 02/01/2018	\$375.55
PAYMENT COUPON #1 DUE & PAYABLE FEBRUARY 1, 2018 \$375.55	

Please note Preliminary Taxes for current year are past due.

MAIL PAYMENTS TO:
Town of Blackstone
P.O. Box 854
Reading, MA 01867-0407

12482082018000000664300000375550

ABATEMENT APPLICATIONS
DUE BY 02/01/2018

PAYMENT COUPON #2
REAL ESTATE TAX

REAL ESTATE TAX



TOWN OF BLACKSTONE
TAX COLLECTOR
15 ST. PAUL STREET
BLACKSTONE, MA 01504
00012 0003254

The Commonwealth of Massachusetts
TOWN OF BLACKSTONE
FY 2018 ACTUAL
REAL ESTATE TAX BILL

Tax Rate	Residential	OpenSpace	Comm.	Industrial
per \$1000	\$ 19.49	\$ 19.49	\$ 19.49	\$ 19.49

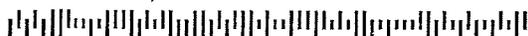
Area: 5.240 Acres	CLASS: 130
BOOK / PAGE: 2902/409	DEED DATE: 11/12/1943
LOCATION: 0 QUICKSTREAM/HARRIS	

PARCEL NUMBER	01800000056
BILL NUMBER	666
CUSTOMER NUMBER:	632444

Land Value	\$117,700
Building Value	\$0
Exemption	\$0
Total Value	\$117,700

Special Assessments	
Total Special Assessments	
Real Estate Tax FY 2018	\$2,293.97
Abatement / Exemption	\$0.00
Total Tax & Assessments	\$2,293.97
Preliminary Tax	\$1,133.45
Third Quarter Due 02/01/2018	\$580.26
Fourth Quarter Due 05/01/2018	\$580.26

MIXED AADC 021
CITY OF WOONSOCKET
WATER DIVISION
PO BOX B
WOONSOCKET, RI 02895-0985



Phone: Office of the Collector: (508) 876-5117
Office Hours: Mon., Wed., Thurs., 8:30AM-4:30PM
Tues. 8:30AM-7:30PM
Friday, 8:30AM-NOON

To Pay your bill online go to: www.townofblackstone.org

Interest at a rate of 14% per annum will accrue on overdue payments until payment is made.

Collector of Taxes Steve Perrault	CITY OF WOONSOCKET WATER DIVISION PO BOX B WOONSOCKET, RI 02895	
Your Actual Real Estate Tax for the fiscal year beginning July 1, 2017 and ending June 30, 2018 on the Parcel of REAL ESTATE described below is as follows:		
LOCATION: 0 QUICKSTREAM/HARRIS		
Area: 5.240 Acres	CLASS: 130	DEED DATE: 11/12/1943
BOOK / PAGE: 2902/409	CUSTOMER NUMBER: 632444	

ISSUE DATE: 4/1/2018

Parcel:	01800000056
Bill Number:	666

Fourth Quarter Tax due	\$580.26
Fourth Quarter Lien	\$0.00
Fourth Quarter Abatement	\$0.00
Fourth Quarter Due 05/01/2018	\$580.26

MAIL PAYMENTS TO:
Town of Blackstone
P.O. Box 854
Reading, MA 01867-0407

PAYMENT COUPON #2 DUE & PAYABLE MAY 1, 2018 \$580.26

12482082018000000666800000580266

Collector of Taxes Steve Perrault	CITY OF WOONSOCKET WATER DIVISION PO BOX B WOONSOCKET, RI 02895	
Your Actual Real Estate Tax for the fiscal year beginning July 1, 2017 and ending June 30, 2018 on the Parcel of REAL ESTATE described below is as follows:		
LOCATION: 0 QUICKSTREAM/HARRIS		
Area: 5.240 Acres	CLASS: 130	DEED DATE: 11/12/1943
BOOK / PAGE: 2902/409	CUSTOMER NUMBER: 632444	

ISSUE DATE: 12/31/2017

Parcel:	01800000056
Bill Number:	666

Preliminary Tax	\$1,133.45
Payments Made	\$1,132.18
Tax Balance	\$1.27
Interest on Balance	\$0.04
Third Quarter now due	\$580.26
Third Quarter Lien	\$0.00
Third Quarter Abatement	\$0.00
Amount Due 02/01/2018	\$581.57

Please note Preliminary Taxes
for current year are past due.

MAIL PAYMENTS TO:
Town of Blackstone
P.O. Box 854
Reading, MA 01867-0407

PAYMENT COUPON #1 DUE & PAYABLE FEBRUARY 1, 2018 \$581.57
--

ABATEMENT APPLICATIONS
DUE BY 02/01/2018

12482082018000000666800000581579

TAXPAYER COPY

PAYMENT COUPON #2
REAL ESTATE TAX

PAYMENT COUPON #1
REAL ESTATE TAX

PAYMENT COUPON #1
REAL ESTATE TAX

Collector of Taxes Steve Perrault		CITY OF WOONSOCKET WATER DIVISION PO BOX B WOONSOCKET, RI 02895	
Your Actual Real Estate Tax for the fiscal year beginning July 1, 2016 and ending June 30, 2017 on the Parcel of REAL ESTATE described below is as follows:			
LOCATION: 0 QUICKSTREAM/HARRIS			
Area: 5.240 Acres	CLASS: 130	DEED DATE:	11/12/1943
BOOK / PAGE:	2902/409	CUSTOMER NUMBER:	632444

ISSUE DATE: 12/31/2016	
Parcel:	01800000056
Bill Number:	654
Preliminary Tax	\$1,068.54
Payments Made	\$1,068.54
Tax Balance	\$0.00
Interest on Balance	\$0.00
Third Quarter now due	\$599.18
Third Quarter Lien	\$0.00
Third Quarter Abatement	\$0.00
Amount Due 02/01/2017	\$599.18

MAIL PAYMENTS TO:
Town of Blackstone
P.O. Box 854
Reading, MA 01867-0407

PAYMENT COUPON #1
DUE & PAYABLE
FEBRUARY 1, 2017
\$599.18

ABATEMENT APPLICATIONS
DUE BY 02/01/2017

12482082017200000654400000599183

PAYMENT COUPON #1
REAL ESTATE TAX

Collector of Taxes Steve Perrault		CITY OF WOONSOCKET WATER DIVISION PO BOX B WOONSOCKET, RI 02895	
Your Actual Real Estate Tax for the fiscal year beginning July 1, 2016 and ending June 30, 2017 on the Parcel of REAL ESTATE described below is as follows:			
LOCATION: 0 FARM ST OFF			
Area: 16.890 Acres	CLASS: 131	DEED DATE:	06/25/1987
BOOK / PAGE:	10581/223	CUSTOMER NUMBER:	632444

ISSUE DATE: 12/31/2016	
Parcel:	01700000001
Bill Number:	655
Preliminary Tax	\$734.92
Payments Made	\$734.92
Tax Balance	\$0.00
Interest on Balance	\$0.00
Third Quarter now due	\$364.42
Third Quarter Lien	\$0.00
Third Quarter Abatement	\$0.00
Amount Due 02/01/2017	\$364.42

MAIL PAYMENTS TO:
Town of Blackstone
P.O. Box 854
Reading, MA 01867-0407

PAYMENT COUPON #1
DUE & PAYABLE
FEBRUARY 1, 2017
\$364.42

ABATEMENT APPLICATIONS
DUE BY 02/01/2017

12482082017200000655100000364422

PAYMENT COUPON #1
REAL ESTATE TAX

Collector of Taxes Steve Perrault		CITY OF WOONSOCKET WATER DIVISION PO BOX B WOONSOCKET, RI 02895	
Your Actual Real Estate Tax for the fiscal year beginning July 1, 2016 and ending June 30, 2017 on the Parcel of REAL ESTATE described below is as follows:			
LOCATION: 0 QUICKSTREAM/HARRIS			
Area: 3.490 Acres	CLASS: 130	DEED DATE:	11/12/1943
BOOK / PAGE:	2902/409	CUSTOMER NUMBER:	632444

ISSUE DATE: 12/31/2016	
Parcel:	01900000107
Bill Number:	656
Preliminary Tax	\$992.14
Payments Made	\$992.14
Tax Balance	\$0.00
Interest on Balance	\$0.00
Third Quarter now due	\$561.31
Third Quarter Lien	\$0.00
Third Quarter Abatement	\$0.00
Amount Due 02/01/2017	\$561.31

MAIL PAYMENTS TO:
Town of Blackstone
P.O. Box 854
Reading, MA 01867-0407

PAYMENT COUPON #1
DUE & PAYABLE
FEBRUARY 1, 2017
\$561.31

ABATEMENT APPLICATIONS
DUE BY 02/01/2017

12482082017200000656900000561316

CITY OF WOONSOCKET
DEPARTMENT OF PUBLIC WORKS

PAYMENT VOUCHER

WATER

DATE: 1/10/2017
VENDOR #: 002593
PAYEE: TOWN OF BLACKSTONE
15 ST. PAUL ST.
BLACKSTONE, MA 01504-2295

due 2/1/17

INVOICE #: See Below
FY: 2017
PO #
ACCOUNT #: 1015-W6552-52255 H AMOUNT OF CHECK: \$1,524.91

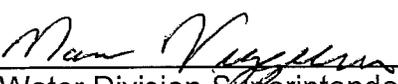
PARTIAL PAYMENT

FULL PAYMENT

DESCRIPTION: FISCAL YEAR 2017 REAL ESTATE TAX 1st Coupon

Inv #	Amount	Description
654	599.18	01800000056 Quickstream/Harris
655	364.42	01700000001 Farm Street
656	561.31	01900000107 Quickstream/Harris
	1,524.91	

The amount indicated is hereby approved and certified for payment to the above named payee as being lawfully due the same from the City of Woonsocket for the same items shown on the attached invoices.

Authorized By:

Water Division Superintendent

DATE PAID: _____

CHECK # _____

CITY OF WOONSOCKET
DEPARTMENT OF PUBLIC WORKS

PAYMENT VOUCHER

WATER

DATE: 7/14/2016
VENDOR #: 002632
PAYEE: TOWN OF LINCOLN
PO BOX 100
100 OLD RIVER ROAD
LINCOLN, RI 02865

due 7/29/16

INVOICE #: See Below
FY: 2017
PO #
ACCOUNT #: 1015-W6552-52255 H AMOUNT OF CHECK: \$3,570.68

PARTIAL PAYMENT

FULL PAYMENT

DESCRIPTION: Inv#	Amount	Description	1st Qtr
231720000-0716	413.06	39-019.0 Old River Road	
231720001-0716	766.80	40-008.0 Old Great Road	
231720002-0716	387.72	39-001.0 Sayles Hill Road	
231720003-0716	10.80	39-008.0 Sayles Hill Road	
231720004-0716	266.76	39-012.0 Old River Road	
231720005-0716	392.63	40-049.0 Sayles Hill Road	
231720006-0716	651.78	41-022.0 Reservoir Road	
231720007-0716	120.42	41-040.0 Eddie Dowling Road	
231720008-0716	10.00	41-043.0 Reservoir Road	
231720009-0716	503.82	41-041.0 65 Old Sayles Hill Road	
231720010-0716	10.00	39-009.0 Sayles Hill Road	
231720011-0716	36.89	41-044.0/A Route 295	
	3,570.68		

The amount indicated is hereby approved and certified for payment to the above named payee as being lawfully due the same from the City of Woonsocket for the same items shown on the attached invoices.

Authorized By:

Mon Vignone
Water Division Superintendent

DATE PAID: _____

CHECK # _____

Description

39-019.0 at 0 OLD RIVER RD

\$1,675.34

\$62,700

\$62,700

Total Current Tax Bill \$1,675.34

2017 Tax Assessed as of 12/31/2016

Page 1 of 1

PAST DUE TAX BILLS

Description Original Bill - Adjustments - Payments = Balance Due + Interest = Amount Due

This account has no past due bills.

Check your balance and pay on-line at: www.RIeGov.com

The PIN # to access your account is: XDC-MVL



Account Number 23-17200-00

Remit Tax Payment with Stub to: Town of Lincoln Tax Collector PO Box 100 Lincoln, RI 02865

State Aid: FY 17-18 STATE AID TO LINCOLN: \$12,423,373. TAX RATE REDUCED BY \$6.03/\$1000

Tax Rate:	Real	Com/Ind	Tangible Inventory
School	15.600	19.030	24.490
Municipal	6.300	7.690	9.900
Overall	21.900	26.720	34.390

*If any installment is not paid by the due date, then the entire unpaid balance shall become due and carry until collected an interest rate of 12% per annum from the date the quarterly payment was originally due.
 *This bill is assumed to be correct if you do not appeal Real/Tang Prop within 90 days/ Motor Vehicle within 45 days.
 *IMPORTANT INFORMATION ON BACK OF BILL.

WOONSOCKET CITY OF
 WATER DIVISION
 P.O. BOX B
 WOONSOCKET RI 02895

Description

40-008.0 at 0 OLD GREAT RD

\$116,400

\$116,400

\$3,110.21

2017 Tax Assessed as of 12/31/2016

Total Current Tax Bill

\$3,110.21

Page 1 of 1

PAST DUE TAX BILLS

Description Original Bill

Adjustments - Payments = Balance Due + Interest = Amount Due

This account has no past due bills.



Check your balance and pay on-line at : www.RIeGov.com
The PIN # to access your account is : **SDD-JJB**

Account Number 23-17200-01

Remit Tax Payment Town of Lincoln
with Stub to: Tax Collector
PO Box 100
Lincoln, RI 02865

State Aid: FY 17-18 STATE AID TO LINCOLN:
\$12,423,373. TAX RATE REDUCED
BY \$6.03/\$1000

Tax Rate:	Real	Com/Ind	Tangible Inventory
School	15.600	19.030	24.490
Municipal	6.300	7.690	9.900
Overall	21.900	26.720	34.390

WOONSOCKET CITY OF
WATER DIVISION
P O BOX B
WOONSOCKET RI 02895

*If any installment is not paid by the due date, then the entire unpaid balance shall become due and carry until collected an interest rate of 12% per annum from the date the quarterly payment was originally due.
*This bill is assumed to be correct if you do not appeal Real/Tang Prop within 90 days/ Motor Vehicle within 45 days.
*IMPORTANT INFORMATION ON BACK OF BILL.

Description	Land	Building	Valuation	Amount
39-001.0 at 0 SAYLES HILL RD	\$71,800		\$71,800	\$1,572.42
2017 Tax Assessed as of 12/31/2016			Total Current Tax Bill	\$1,572.42

Page 1 of 1

PAST DUE TAX BILLS
 Original Bill - Adjustments - Payments = Balance Due + Interest = Amount Due

This account has no past due bills.

Account Number 23-17200-02

Remit Tax Payment with Stub to: Town of Lincoln
 Tax Collector
 PO Box 100
 Lincoln, RI 02865

State Aid: FY 17-18 STATE AID TO LINCOLN:
 \$12,423,373. TAX RATE REDUCED
 BY \$6.03/\$1000

Tax Rate: Real Com/Ind Tangible Inventory
 School 15.600 19.030 24.490 0.000
 Municipal 6.300 7.690 9.900 0.000
 Overall 21.900 26.720 34.390 0.000

Check your balance and pay on-line at : www.RIeGov.com
 The PIN # to access your account is : **XLX-XZX**

WOONSOCKET CITY OF
WATER DIVISION
P O BOX B
WOONSOCKET RI 02895

*If any installment is not paid by the due date, then the entire unpaid balance shall become due and carry until collected an interest rate of 12% per annum from the date the quarterly payment was originally due.
 *This bill is assumed to be correct if you do not appeal Real/Tang Prop within 90 days/ Motor Vehicle within 45 days.
 *IMPORTANT INFORMATION ON BACK OF BILL.

Description	Land	Building	Valuation	Annual Tax
39-008.0 at 0 SAYLES HILL RD	\$500		\$500	\$10.95
2017 Tax Assessed as of 12/31/2016				Total Current Tax Bill
Page 1 of 1				\$10.95
PAST DUE TAX BILLS Original Bill - Adjustments - Payments = Balance Due + Interest = Amount Due				
Description				
This account has no past due bills.				
Account Number 23-17200-03  Check your balance and pay on-line at : www.RIeGov.com The PIN # to access your account is : FHX-DRM				
Remit Tax Payment with Stub to: Tax Collector PO Box 100 Lincoln, RI 02865	State Aid: FY 17-18 STATE AID TO LINCOLN: \$12,423,373. TAX RATE REDUCED BY \$6.03/\$1000		Tax Rate: School 15.600 19.030 24.490 0.000 Municipal 6.300 7.690 9.900 0.000 Overall 21.900 26.720 34.390 0.000	

*If any installment is not paid by the due date, then the entire unpaid balance shall become due and carry until collected an interest rate of 12% per annum from the date the quarterly payment was originally due.
 *This bill is assumed to be correct if you do not appeal Real/Tang Prop within 90 days/ Motor Vehicle within 45 days.
 *IMPORTANT INFORMATION ON BACK OF BILL.

WOONSOCKET CITY OF
 WATER DIVISION
 P O BOX B
 WOONSOCKET RI 02895

Description	Land	Building	Valuation	Annual Tax
39-012.0 at 0 OLD RIVER RD	\$49,400		\$49,400	\$1,081.86
2017 Tax Assessed as of 12/31/2016				Total Current Tax Bill
				\$1,081.86

Page 1 of 1

PAST DUE TAX BILLS

Description Original Bill - Adjustments - Payments = Balance Due + Interest = Amount Due

This account has no past due bills.

Check your balance and pay on-line at : www.RieGov.com

The PIN # to access your account is : **MSB-WDJ**



Remit Tax Payment with Stub to: Tax Collector
PO Box 100
Lincoln, RI 02865

State Aid: FY 17-18 STATE AID TO LINCOLN:
\$12,423,373. TAX RATE REDUCED
BY \$6.03/\$1000

Tax Rate:	Real	Com/Ind	Tangible	Inventory
School	15.600	19.030	24.490	0.000
Municipal	6.300	7.690	9.900	0.000
Overall	21.900	26.720	34.390	0.000

*If any installment is not paid by the due date, then the entire unpaid balance shall become due and carry until collected an interest rate of 12% per annum from the date the quarterly payment was originally due.

*This bill is assumed to be correct if you do not appeal Real/Tang Prop within 90 days/ Motor Vehicle within 45 days.

*IMPORTANT INFORMATION ON BACK OF BILL.

WOONSOCKET CITY OF
WATER DIVISION
P O BOX B
WOONSOCKET RI 02895

Description	Land	Building	Valuation	Annual Tax
40-049.0 at 0 SAYLES HILL RD	\$59,600		\$59,600	\$1,592.51
2017 Tax Assessed as of 12/31/2016			Total Current Tax Bill	\$1,592.51

Page 1 of 1

PAST DUE TAX BILLS	Adjustments	Payments	Balance Due	Interest	Amount Due
Description	-	-	=	+	=

This account has no past due bills.

Account Number 23-17200-05

Remit Tax Payment with Stub to: Tax Collector
PO Box 100
Lincoln, RI 02865

State Aid: FY 17-18 STATE AID TO LINCOLN:
\$12,423,373. TAX RATE REDUCED
BY \$6.03/\$1000

Check your balance and pay on-line at : www.RIeGov.com
The PIN # to access your account is : LKW-NCZ

Tax Rate:	Real	Com/Ind	Tangible	Inventory
School	15.600	19.030	24.490	0.000
Municipal	6.300	7.690	9.900	0.000
Overall	21.900	26.720	34.390	0.000

*If any installment is not paid by the due date, then the entire unpaid balance shall become due and carry until collected an interest rate of 12% per annum from the date the quarterly payment was originally due.
*This bill is assumed to be correct if you do not appeal Real/Tang Prop within 90 days/ Motor Vehicle within 45 days.
*IMPORTANT INFORMATION ON BACK OF BILL.

WOONSOCKET CITY OF
WATER DIVISION
P O BOX B
WOONSOCKET RI 02895

Description	Land	Building	Valuation	Amount Due
41-022.0 at 0 RESERVOIR RD	\$120,700		\$120,700	\$2,643.33
2017 Tax Assessed as of 12/31/2016			Total Current Tax Bill	\$2,643.33

Page 1 of 1

PAST DUE TAX BILLS

Description Original Bill - Adjustments - Payments = Balance Due + Interest = Amount Due

This account has no past due bills.

Account Number 23-17200-06



Check your balance and pay on-line at : www.RieGov.com
The PIN # to access your account is : **GJJ-WRX**

Remit Tax Payment with Stub to: Tax Collector
PO Box 100
Lincoln, RI 02865

State Aid: FY 17-18 STATE AID TO LINCOLN:
\$12,423,373. TAX RATE REDUCED
BY \$6.03/\$1000

Tax Rate:	Real	Com/Ind	Tangible	Inventory
School	15.600	19.030	24.490	0.000
Municipal	6.300	7.690	9.900	0.000
Overall	21.900	26.720	34.390	0.000

WOONSOCKET CITY OF
WATER DIVISION
P O BOX B
WOONSOCKET RI 02895

*If any installment is not paid by the due date, then the entire unpaid balance shall become due and carry until collected an interest rate of 12% per annum from the date the quarterly payment was originally due.
*This bill is assumed to be correct if you do not appeal Real/Tang Prop within 90 days/ Motor Vehicle within 45 days.
*IMPORTANT INFORMATION ON BACK OF BILL.

Description	Land	Building	Valuation	Annual Tax		
41-040.0 at 0 EDDIE DOWLING HWY	\$22,300		\$22,300	\$488.37		
Total Current Tax Bill				\$488.37		
2017 Tax Assessed as of 12/31/2016						
Page 1 of 1						
PAST DUE TAX BILLS						
Description	Original Bill	- Adjustments	- Payments	= Balance Due	+ Interest	= Amount Due
This account has no past due bills.						
 					Check your balance and pay on-line at : www.RIeGov.com The PIN # to access your account is : MCB-CYV	
Account Number	23-17200-07					
Remit Tax Payment with Stub to:	Town of Lincoln					
	Tax Collector					
	PO Box 100					
	Lincoln, RI 02865					
		Tax Rate:	Real	Com/Ind	Tangible	Inventory
		School	15.600	19.030	24.490	0.000
		Municipal	6.300	7.690	9.900	0.000
		Overall	21.900	26.720	34.390	0.000
State Aid: FY 17-18 STATE AID TO LINCOLN: \$12,423,373. TAX RATE REDUCED BY \$6.03/\$1000						

*If any installment is not paid by the due date, then the entire unpaid balance shall become due and carry until collected an interest rate of 12% per annum from the date the quarterly payment was originally due.
 *This bill is assumed to be correct if you do not appeal Real/Tang Prop within 90 days/ Motor Vehicle within 45 days.
 *IMPORTANT INFORMATION ON BACK OF BILL.

WOONSOCKET CITY OF
 WATER DIVISION
 P O BOX B
 WOONSOCKET RI 02895

Description	Land	Building	Valuation	Annual Tax
41-043.0 at 0 RESERVOIR RD Minimum Tax Adj.	\$300		\$300 \$0	\$6.57 \$3.43
Total Current Tax Bill				\$10.00
2017 Tax Assessed as of 12/31/2016				
Page 1 of 1 PAST DUE TAX BILLS Description Original Bill - Adjustments - Payments = Balance Due + Interest = Amount Due				
This account has no past due bills.				
 Check your balance and pay on-line at : www.RIeGov.com The PIN # to access your account is : NJIN-FZY				
Account Number 23-17200-08 Remit Tax Payment with Stub to: Town of Lincoln Tax Collector PO Box 100 Lincoln, RI 02865	State Aid: FY 17-18 STATE AID TO LINCOLN: \$12,423,373. TAX RATE REDUCED BY \$6.03/\$1000 Tax Rate: School 15.600 19.030 24.490 0.000 Municipal 6.300 7.690 9.900 0.000 Overall 21.900 26.720 34.390 0.000			

WOONSOCKET CITY OF
 WATER DIVISION
 P O BOX B
 WOONSOCKET RI 02895

*If any installment is not paid by the due date, then the entire unpaid balance shall become due and carry until collected an interest rate of 12% per annum from the date the quarterly payment was originally due.
 *This bill is assumed to be correct if you do not appeal Real/Tang Prop within 90 days/ Motor Vehicle within 45 days.
 *IMPORTANT INFORMATION ON BACK OF BILL.

Description	Land	Building	Valuation	Annual Tax
41-041.0 at 65 OLD SAYLES HILL RD	\$92,100	\$1,200	\$93,300	\$2,043.27
2017 Tax Assessed as of 12/31/2016				Total Current Tax Bill
Page 1 of 1				\$2,043.27
PAST DUE TAX BILLS Description - Adjustments - Payments = Balance Due + Interest = Amount Due				

This account has no past due bills.

Account Number 23-17200-09

Remit Tax Payment with Stub to: Tax Collector
PO Box 100
Lincoln, RI 02865

State Aid: FY 17-18 STATE AID TO LINCOLN:
\$12,423,373. TAX RATE REDUCED
BY \$6.03/\$1000

Check your balance and pay on-line at: www.RIeGov.com
The PIN # to access your account is: **SDC-PFH**

Tax Rate:	Real	Com/Ind	Tangible	Inventory
School	15.600	19.030	24.490	0.000
Municipal	6.300	7.690	9.900	0.000
Overall	21.900	26.720	34.390	0.000

*If any installment is not paid by the due date, then the entire unpaid balance shall become due and carry until collected an interest rate of 12% per annum from the date the quarterly payment was originally due.
*This bill is assumed to be correct if you do not appeal Real/Tang Prop within 90 days/ Motor Vehicle within 45 days.
*IMPORTANT INFORMATION ON BACK OF BILL.

WOONSOCKET CITY OF
WATER DIVISION
P O BOX B
WOONSOCKET RI 02895

Description	Land	Building	Valuation	Amount
39-009.0 at 0 SAYLES HILL RD Minimum Tax Adj.	\$300		\$300 \$0	\$6.57 \$3.43
Total Current Tax Bill				\$10.00

Page 1 of 1
 2017 Tax Assessed as of 12/31/2016

PAST DUE TAX BILLS	Adjustments	Payments	Balance Due	Interest	Amount Due
Description					
Original Bill					

This account has no past due bills.

Account Number 23-17200-10

Remit Tax Payment with Stub to: Tax Collector
 PO Box 100
 Lincoln, RI 02865

State Aid: FY 17-18 STATE AID TO LINCOLN:
 \$12,423,373. TAX RATE REDUCED
 BY \$6.03/\$1000

Check your balance and pay on-line at: www.RIeGov.com
 The PIN # to access your account is: NYR-XXR

Tax Rate:	Real	Com/Ind	Tangible Inventory
School	15.600	19.030	24.490
Municipal	6.300	7.690	9.900
Overall	21.900	26.720	34.390

WOONSOCKET CITY OF
 WATER DIVISION
 P O BOX B
 WOONSOCKET RI 02895

*If any installment is not paid by the due date, then the entire unpaid balance shall become due and carry until collected an interest rate of 12% per annum from the date the quarterly payment was originally due.
 *This bill is assumed to be correct if you do not appeal Real/Tang Prop within 90 days/ Motor Vehicle within 45 days.
 *IMPORTANT INFORMATION ON BACK OF BILL.

--	--	--

Page 1 of 1
 2017 Tax Assessed as of 12/31/2016
Total Current Tax Bill \$37.41

PAST DUE TAX BILLS	Original Bill	Adjustments	- Payments	= Balance Due	+ Interest	= Amount Due
Description						

This account has no past due bills.

Account Number 23-17200-11
 Check your balance and pay on-line at : www.RieGov.com
 The PIN # to access your account is : RMZ-TKC

Remit Tax Payment with Stub to: Town of Lincoln Tax Collector PO Box 100 Lincoln, RI 02865	State Aid: FY 17-18 STATE AID TO LINCOLN: \$12,423,373. TAX RATE REDUCED BY \$6.03/\$1000	Tax Rate:	Real	Com/Ind	Tangible Inventory
		School	15.600	19.030	24.490
		Municipal	6.300	7.690	9.900
		Overall	21.900	26.720	34.390

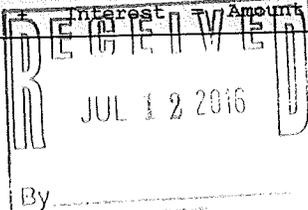
WOONSOCKET CITY OF
WATER DIVISION
P O BOX B
WOONSOCKET RI 02895

*If any installment is not paid by the due date, then the entire unpaid balance shall become due and carry until collected an interest rate of 12% per annum from the date the quarterly payment was originally due.
 *This bill is assumed to be correct if you do not appeal Real/Tang Prop within 90 days/ Motor Vehicle within 45 days.
 *IMPORTANT INFORMATION ON BACK OF BILL.

LINCOLN 1st QUARTERLY PAYMENT 2016  <div style="text-align: right; font-size: 2em;">1</div> Real / Tangible Account Number: 23-17200-01 Owner: WOONSOCKET CITY OF Payment Due Date: 07/29/2016 1st Quarterly Payment: \$766.80 Annual Tax: \$3,067.14	LINCOLN 2nd QUARTERLY PAYMENT 2016  <div style="text-align: right; font-size: 2em;">2</div> Real / Tangible Account Number: 23-17200-01 Owner: WOONSOCKET CITY OF Payment Due Date: 10/31/2016 2nd Quarterly Payment: \$766.78 Annual Tax: \$3,067.14
LINCOLN 3rd QUARTERLY PAYMENT 2016  <div style="text-align: right; font-size: 2em;">3</div> Real / Tangible Account Number: 23-17200-01 Owner: WOONSOCKET CITY OF Payment Due Date: 01/31/2017 3rd Quarterly Payment: \$766.78 Annual Tax: \$3,067.14	LINCOLN 4th QUARTERLY PAYMENT 2016  <div style="text-align: right; font-size: 2em;">4</div> Real / Tangible Account Number: 23-17200-01 Owner: WOONSOCKET CITY OF Payment Due Date: 04/28/2017 4th Quarterly Payment: \$766.78 Annual Tax: \$3,067.14

LINCOLN : 2016 TAX BILL					AN-23:001
CURRENT TAX BILL	Land	Building	Valuation	Annual Tax	
Description					
40-008.0 at 0 OLD GREAT RD	\$116,400		\$116,400	\$3,067.14	

Page 1 of 1 2016 Tax Assessed as of 12/31/2015 **Total Current Tax Bill \$3,067.14**

PAST DUE TAX BILLS					Interest	Amount Due	
Description	Original Bill	-	Adjustments	-	Payments	=	Balance Due
This account has no past due bills.							
							

Account Number 23-17200-01	 	Check your balance and pay on-line at : www.RIEgov.com The PIN # to access your account is : SDD-JJB
Remit Tax Payment Town of Lincoln with Stub to: Tax Collector PO Box 100 Lincoln, RI 02865	State Aid: FY 16-17 STATE AID TO LINCOLN: \$11,489,492. TAX RATE REDUCED BY \$5.16/\$1000	Tax Rate: Real Com/Ind Tangible Inventory School 15.650 19.090 24.570 0.000 Municipal 5.950 7.260 9.350 0.000 Overall 21.600 26.350 33.920 0.000

WOONSOCKET CITY OF
WATER DIVISION
P O BOX B
WOONSOCKET RI 02895

*If any installment is not paid by the due date, then the entire unpaid balance shall become due and carry until collected an interest rate of 12% per annum from the date the quarterly payment was originally due.
*This bill is assumed to be correct if you do not appeal Real/Tang Prop within 90 days/ Motor Vehicle within 45 days.
*IMPORTANT INFORMATION ON BACK OF BILL.

LINCOLN	1st QUARTERLY PAYMENT 2016	2016	LINCOLN	2nd QUARTERLY PAYMENT 2016	2016
 1 Real / Tangible			 2 Real / Tangible		
Account Number: 23-17200-02 Owner: WOONSOCKET CITY OF Payment Due Date: 07/29/2016			Account Number: 23-17200-02 Owner: WOONSOCKET CITY OF Payment Due Date: 10/31/2016		
1st Quarterly Payment: \$387.72 Annual Tax: \$1,550.88			2nd Quarterly Payment: \$387.72 Annual Tax: \$1,550.88		

LINCOLN	3rd QUARTERLY PAYMENT 2016	2016	LINCOLN	4th QUARTERLY PAYMENT 2016	2016
 3 Real / Tangible			 4 Real / Tangible		
Account Number: 23-17200-02 Owner: WOONSOCKET CITY OF Payment Due Date: 01/31/2017			Account Number: 23-17200-02 Owner: WOONSOCKET CITY OF Payment Due Date: 04/28/2017		
3rd Quarterly Payment: \$387.72 Annual Tax: \$1,550.88			4th Quarterly Payment: \$387.72 Annual Tax: \$1,550.88		

LINCOLN : 2016 TAX BILL				
CURRENT TAX BILL	Land	Building	Valuation	Annual Tax
Description				
39-001.0 at 0 SAYLES HILL RD	\$71,800		\$71,800	\$1,550.88
				AN-23:001

Page 1 of 1 2016 Tax Assessed as of 12/31/2015 Total Current Tax Bill **\$1,550.88**

PAST DUE TAX BILLS				
Description	Original Bill	- Adjustments	- Payments	= Balance Due
This account has no past due bills.				

RECEIVED

JUL 12 2015

Rv _____

Account Number 23-17200-02	 	Check your balance and pay on-line at : www.RIeGov.com The PIN # to access your account is : XLX-XZX																				
Remit Tax Payment Town of Lincoln with Stub to: Tax Collector PO Box 100 Lincoln, RI 02865	State Aid: FY 16-17 STATE AID TO LINCOLN: \$11,489,492. TAX RATE REDUCED BY \$5.16/\$1000	<table border="0"> <tr> <td>Tax Rate:</td> <td>Real</td> <td>Com/Ind</td> <td>Tangible</td> <td>Inventory</td> </tr> <tr> <td>School</td> <td>15.650</td> <td>19.090</td> <td>24.570</td> <td>0.000</td> </tr> <tr> <td>Municipal</td> <td>5.950</td> <td>7.260</td> <td>9.350</td> <td>0.000</td> </tr> <tr> <td>Overall</td> <td>21.600</td> <td>26.350</td> <td>33.920</td> <td>0.000</td> </tr> </table>	Tax Rate:	Real	Com/Ind	Tangible	Inventory	School	15.650	19.090	24.570	0.000	Municipal	5.950	7.260	9.350	0.000	Overall	21.600	26.350	33.920	0.000
Tax Rate:	Real	Com/Ind	Tangible	Inventory																		
School	15.650	19.090	24.570	0.000																		
Municipal	5.950	7.260	9.350	0.000																		
Overall	21.600	26.350	33.920	0.000																		

WOONSOCKET CITY OF
 WATER DIVISION
 P O BOX B
 WOONSOCKET RI 02895

*If any installment is not paid by the due date, then the entire unpaid balance shall become due and carry until collected an interest rate of 12% per annum from the date the quarterly payment was originally due.
 *This bill is assumed to be correct if you do not appeal Real/Tang Prop within 90 days/ Motor Vehicle within 45 days.
 *IMPORTANT INFORMATION ON BACK OF BILL.

<p style="text-align: center;">LINCOLN 1st QUARTERLY PAYMENT 2016</p> <div style="text-align: right; font-size: 2em; font-weight: bold;">1</div> <p style="text-align: right;">Real / Tangible</p> <p>Account Number: 23-17200-03 Owner: WOONSOCKET CITY OF Payment Due Date: 07/29/2016</p> <p>1st Quarterly Payment: \$10.80 Annual Tax: \$10.80</p>	<p style="text-align: center;">LINCOLN 2nd QUARTERLY PAYMENT 2016</p> <div style="text-align: right; font-size: 2em; font-weight: bold;">2</div> <p style="text-align: right;">Real / Tangible</p> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p>Because the entire balance is below \$100.00, full payment is due by July 31, 2016.</p> </div>
<p style="text-align: center;">LINCOLN 3rd QUARTERLY PAYMENT 2016</p> <div style="text-align: right; font-size: 2em; font-weight: bold;">3</div> <p style="text-align: right;">Real / Tangible</p> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p>Because the entire balance is below \$100.00, full payment is due by July 31, 2016.</p> </div>	<p style="text-align: center;">LINCOLN 4th QUARTERLY PAYMENT 2016</p> <div style="text-align: right; font-size: 2em; font-weight: bold;">4</div> <p style="text-align: right;">Real / Tangible</p> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p>Because the entire balance is below \$100.00, full payment is due by July 31, 2016.</p> </div>

LINCOLN : 2016 TAX BILL AN-23-001

CURRENT TAX BILL Description	Land	Building	Valuation	Annual Tax
39-008.0 at 0 SAYLES HILL RD	\$500		\$500	\$10.80

Page 1 of 1 2016 Tax Assessed as of 12/31/2015 **Total Current Tax Bill \$10.80**

PAST DUE TAX BILLS Description	Original Bill	Adjustments	Payments	= Balance Due	Interest	Amount Due
This account has no past due bills.						

By: _____

Account Number 23-17200-03 Check your balance and pay on-line at : www.RIEgov.com
The PIN # to access your account is : **FHX-DRM**

Remit Tax Payment Town of Lincoln with Stub to: Tax Collector PO Box 100 Lincoln, RI 02865	State Aid: FY 16-17 STATE AID TO LINCOLN: \$11,489,492. TAX RATE REDUCED BY \$5.16/\$1000	Tax Rate: Real Com/Ind Tangible Inventory School 15.650 19.090 24.570 0.000 Municipal 5.950 7.260 9.350 0.000 Overall 21.600 26.350 33.920 0.000
---	---	--

WOONSOCKET CITY OF
WATER DIVISION
P O BOX B
WOONSOCKET RI 02895

*If any installment is not paid by the due date, then the entire unpaid balance shall become due and carry until collected an interest rate of 12% per annum from the date the quarterly payment was originally due.
*This bill is assumed to be correct if you do not appeal Real/Tang Prop within 90 days/ Motor Vehicle within 45 days.
*IMPORTANT INFORMATION ON BACK OF BILL.

LINCOLN	1st QUARTERLY PAYMENT 2016	2016	LINCOLN	2nd QUARTERLY PAYMENT 2016	2016
					
1 Real / Tangible			2 Real / Tangible		
Account Number: 23-17200-04 Owner: WOONSOCKET CITY OF Payment Due Date: 07/29/2016			Account Number: 23-17200-04 Owner: WOONSOCKET CITY OF Payment Due Date: 10/31/2016		
1st Quarterly Payment: \$266.76 Annual Tax: \$1,067.04			2nd Quarterly Payment: \$266.76 Annual Tax: \$1,067.04		

LINCOLN	3rd QUARTERLY PAYMENT 2016	2016	LINCOLN	4th QUARTERLY PAYMENT 2016	2016
					
3 Real / Tangible			4 Real / Tangible		
Account Number: 23-17200-04 Owner: WOONSOCKET CITY OF Payment Due Date: 01/31/2017			Account Number: 23-17200-04 Owner: WOONSOCKET CITY OF Payment Due Date: 04/28/2017		
3rd Quarterly Payment: \$266.76 Annual Tax: \$1,067.04			4th Quarterly Payment: \$266.76 Annual Tax: \$1,067.04		

AN-23:001

LINCOLN : 2016 TAX BILL				
CURRENT TAX BILL	Land	Building	Valuation	Annual Tax
Description				
39-012.0 at 0 OLD RIVER RD	\$49,400		\$49,400	\$1,067.04

Page 1 of 1 2016 Tax Assessed as of 12/31/2015 Total Current Tax Bill **\$1,067.04**

PAST DUE TAX BILLS						
Description	Original Bill	- Adjustments	- Payments	= Balance Due	Interest	Amount Due
This account has no past due bills.						

RECEIVED

JUL 12 2016

By _____

Account Number: 23-17200-04	 	Check your balance and pay on-line at : www.RIEgov.com The PIN # to access your account is : MSB-WDJ																				
Remit Tax Payment Town of Lincoln with Stub to: Tax Collector PO Box 100 Lincoln, RI 02865	State Aid: FY 16-17 STATE AID TO LINCOLN: \$11,489,492. TAX RATE REDUCED BY \$5.16/\$1000	<table border="1"> <thead> <tr> <th>Tax Rate:</th> <th>Real</th> <th>Com/Ind</th> <th>Tangible</th> <th>Inventory</th> </tr> </thead> <tbody> <tr> <td>School</td> <td>15.650</td> <td>19.090</td> <td>24.570</td> <td>0.000</td> </tr> <tr> <td>Municipal</td> <td>5.950</td> <td>7.260</td> <td>9.350</td> <td>0.000</td> </tr> <tr> <td>Overall</td> <td>21.600</td> <td>26.350</td> <td>33.920</td> <td>0.000</td> </tr> </tbody> </table>	Tax Rate:	Real	Com/Ind	Tangible	Inventory	School	15.650	19.090	24.570	0.000	Municipal	5.950	7.260	9.350	0.000	Overall	21.600	26.350	33.920	0.000
Tax Rate:	Real	Com/Ind	Tangible	Inventory																		
School	15.650	19.090	24.570	0.000																		
Municipal	5.950	7.260	9.350	0.000																		
Overall	21.600	26.350	33.920	0.000																		

WOONSOCKET CITY OF
 WATER DIVISION
 P O BOX B
 WOONSOCKET RI 02895

*If any installment is not paid by the due date, then the entire unpaid balance shall become due and carry until collected an interest rate of 12% per annum from the date the quarterly payment was originally due.
 *This bill is assumed to be correct if you do not appeal Real/Tang Prop within 90 days/ Motor Vehicle within 45 days.
 *IMPORTANT INFORMATION ON BACK OF BILL.

LINCOLN 1st QUARTERLY PAYMENT 2016  <p style="text-align: right;">1 Real / Tangible</p> <p>Account Number: 23-17200-05 Owner: WOONSOCKET CITY OF Payment Due Date: 07/29/2016</p> <p>1st Quarterly Payment: \$392.63 Annual Tax: \$1,570.46</p>	LINCOLN 2nd QUARTERLY PAYMENT 2016  <p style="text-align: right;">2 Real / Tangible</p> <p>Account Number: 23-17200-05 Owner: WOONSOCKET CITY OF Payment Due Date: 10/31/2016</p> <p>2nd Quarterly Payment: \$392.61 Annual Tax: \$1,570.46</p>
LINCOLN 3rd QUARTERLY PAYMENT 2016  <p style="text-align: right;">3 Real / Tangible</p> <p>Account Number: 23-17200-05 Owner: WOONSOCKET CITY OF Payment Due Date: 01/31/2017</p> <p>3rd Quarterly Payment: \$392.61 Annual Tax: \$1,570.46</p>	LINCOLN 4th QUARTERLY PAYMENT 2016  <p style="text-align: right;">4 Real / Tangible</p> <p>Account Number: 23-17200-05 Owner: WOONSOCKET CITY OF Payment Due Date: 04/28/2017</p> <p>4th Quarterly Payment: \$392.61 Annual Tax: \$1,570.46</p>

LINCOLN : 2016 TAX BILL

AN-23:001

CURRENT TAX BILL	Land	Building	Valuation	Annual Tax
Description				
40-049.0 at 0 SAYLES HILL RD	\$59,600		\$59,600	\$1,570.46

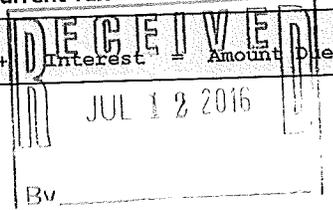
Page 1 of 1

2016 Tax Assessed as of 12/31/2015

Total Current Tax Bill \$1,570.46

PAST DUE TAX BILLS				+ Interest	= Amount Due
Description	Original Bill	- Adjustments	- Payments	= Balance Due	

This account has no past due bills.



Account Number 23-17200-05	 	Check your balance and pay on-line at : www.RIeGov.com The PIN # to access your account is : LKW-NCZ																																			
Remit Tax Payment Town of Lincoln with Stub to: Tax Collector PO Box 100 Lincoln, RI 02865	State Aid: FY 16-17 STATE AID TO LINCOLN: \$11,489,492. TAX RATE REDUCED BY \$5.16/\$1000	<table border="0"> <tr> <td>Tax Rate:</td> <td>Real</td> <td>Com/Ind</td> <td>Tangible</td> <td>Inventory</td> </tr> <tr> <td></td> <td>School</td> <td>15.650</td> <td>19.090</td> <td>24.570</td> </tr> <tr> <td></td> <td>Municipal</td> <td>5.950</td> <td>7.260</td> <td>9.350</td> </tr> <tr> <td></td> <td>Overall</td> <td>21.600</td> <td>26.350</td> <td>33.920</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>0.000</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>0.000</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>0.000</td> </tr> </table>	Tax Rate:	Real	Com/Ind	Tangible	Inventory		School	15.650	19.090	24.570		Municipal	5.950	7.260	9.350		Overall	21.600	26.350	33.920					0.000					0.000					0.000
Tax Rate:	Real	Com/Ind	Tangible	Inventory																																	
	School	15.650	19.090	24.570																																	
	Municipal	5.950	7.260	9.350																																	
	Overall	21.600	26.350	33.920																																	
				0.000																																	
				0.000																																	
				0.000																																	

WOONSOCKET CITY OF
WATER DIVISION
P O BOX B
WOONSOCKET RI 02895

*If any installment is not paid by the due date, then the entire unpaid balance shall become due and carry until collected an interest rate of 12% per annum from the date the quarterly payment was originally due.
*This bill is assumed to be correct if you do not appeal Real/Tang Prop within 90 days/ Motor Vehicle within 45 days.
*IMPORTANT INFORMATION ON BACK OF BILL.

LINCOLN 1st QUARTERLY PAYMENT 2016	LINCOLN 2nd QUARTERLY PAYMENT 2016
 1 Real / Tangible	 2 Real / Tangible
Account Number: 23-17200-06 Owner: WOONSOCKET CITY OF Payment Due Date: 07/29/2016 1st Quarterly Payment: \$651.78 Annual Tax: \$2,607.12	Account Number: 23-17200-06 Owner: WOONSOCKET CITY OF Payment Due Date: 10/31/2016 2nd Quarterly Payment: \$651.78 Annual Tax: \$2,607.12

LINCOLN 3rd QUARTERLY PAYMENT 2016	LINCOLN 4th QUARTERLY PAYMENT 2016
 3 Real / Tangible	 4 Real / Tangible
Account Number: 23-17200-06 Owner: WOONSOCKET CITY OF Payment Due Date: 01/31/2017 3rd Quarterly Payment: \$651.78 Annual Tax: \$2,607.12	Account Number: 23-17200-06 Owner: WOONSOCKET CITY OF Payment Due Date: 04/28/2017 4th Quarterly Payment: \$651.78 Annual Tax: \$2,607.12

LINCOLN : 2016 TAX BILL				
AN-23:001				
CURRENT TAX BILL	Land	Building	Valuation	Annual Tax
Description	\$120,700		\$120,700	\$2,607.12
41-022.0 at 0 RESERVOIR RD				

Page 1 of 1 2016 Tax Assessed as of 12/31/2015 Total Current Tax Bill **\$2,607.12**

PAST DUE TAX BILLS				+ Interest = Amount Due
Description	Original Bill	- Adjustments	- Payments	= Balance Due
This account has no past due bills.				

RECEIVED

JUL 12 2016

By _____

Account Number 23-17200-06	 	Check your balance and pay on-line at : www.RIeGov.com The PIN # to access your account is : GJJ-WRX																				
Remit Tax Payment Town of Lincoln with Stub to: Tax Collector PO Box 100 Lincoln, RI 02865	State Aid: FY 16-17 STATE AID TO LINCOLN: \$11,489,492. TAX RATE REDUCED BY \$5.16/\$1000	<table style="width:100%; border-collapse: collapse;"> <tr> <td style="text-align: right;">Tax Rate:</td> <td style="text-align: center;">Real</td> <td style="text-align: center;">Com/Ind</td> <td style="text-align: center;">Tangible</td> <td style="text-align: center;">Inventory</td> </tr> <tr> <td style="text-align: right;">School</td> <td style="text-align: center;">15.650</td> <td style="text-align: center;">19.090</td> <td style="text-align: center;">24.570</td> <td style="text-align: center;">0.000</td> </tr> <tr> <td style="text-align: right;">Municipal</td> <td style="text-align: center;">5.950</td> <td style="text-align: center;">7.260</td> <td style="text-align: center;">9.350</td> <td style="text-align: center;">0.000</td> </tr> <tr> <td style="text-align: right;">Overall</td> <td style="text-align: center;">21.600</td> <td style="text-align: center;">26.350</td> <td style="text-align: center;">33.920</td> <td style="text-align: center;">0.000</td> </tr> </table>	Tax Rate:	Real	Com/Ind	Tangible	Inventory	School	15.650	19.090	24.570	0.000	Municipal	5.950	7.260	9.350	0.000	Overall	21.600	26.350	33.920	0.000
Tax Rate:	Real	Com/Ind	Tangible	Inventory																		
School	15.650	19.090	24.570	0.000																		
Municipal	5.950	7.260	9.350	0.000																		
Overall	21.600	26.350	33.920	0.000																		

WOONSOCKET CITY OF
 WATER DIVISION
 P O BOX B
 WOONSOCKET RI 02895

*If any installment is not paid by the due date, then the entire unpaid balance shall become due and carry until collected an interest rate of 12% per annum from the date the quarterly payment was originally due.
 *This bill is assumed to be correct if you do not appeal Real/Tang Prop within 90 days/ Motor Vehicle within 45 days.
 *IMPORTANT INFORMATION ON BACK OF BILL.

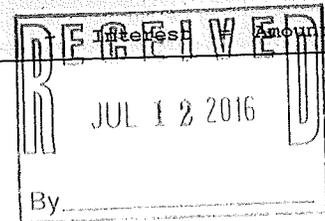
LINCOLN	1st QUARTERLY PAYMENT 2016	2016	LINCOLN	2nd QUARTERLY PAYMENT 2016	2016
 <div style="text-align: right; font-size: 2em; font-weight: bold;">1</div> <p style="text-align: right;">Real / Tangible</p> <p>Account Number: 23-17200-07 Owner: WOONSOCKET CITY OF Payment Due Date: 07/29/2016</p> <p>1st Quarterly Payment: \$120.42 Annual Tax: \$481.68</p>			 <div style="text-align: right; font-size: 2em; font-weight: bold;">2</div> <p style="text-align: right;">Real / Tangible</p> <p>Account Number: 23-17200-07 Owner: WOONSOCKET CITY OF Payment Due Date: 10/31/2016</p> <p>2nd Quarterly Payment: \$120.42 Annual Tax: \$481.68</p>		

LINCOLN	3rd QUARTERLY PAYMENT 2016	2016	LINCOLN	4th QUARTERLY PAYMENT 2016	2016
 <div style="text-align: right; font-size: 2em; font-weight: bold;">3</div> <p style="text-align: right;">Real / Tangible</p> <p>Account Number: 23-17200-07 Owner: WOONSOCKET CITY OF Payment Due Date: 01/31/2017</p> <p>3rd Quarterly Payment: \$120.42 Annual Tax: \$481.68</p>			 <div style="text-align: right; font-size: 2em; font-weight: bold;">4</div> <p style="text-align: right;">Real / Tangible</p> <p>Account Number: 23-17200-07 Owner: WOONSOCKET CITY OF Payment Due Date: 04/28/2017</p> <p>4th Quarterly Payment: \$120.42 Annual Tax: \$481.68</p>		

LINCOLN : 2016 TAX BILL					AN-23:001
CURRENT TAX BILL	Land	Building	Valuation	Annual Tax	
Description					
41-040.0 at 0 EDDIE DOWLING HWY	\$22,300		\$22,300		\$481.68

Page 1 of 1 2016 Tax Assessed as of 12/31/2015 **Total Current Tax Bill \$481.68**

PAST DUE TAX BILLS				Interest	Amount	Due
Description	Original Bill	- Adjustments	- Payments	=	Balance Due	
This account has no past due bills.						



Account Number 23-17200-07	 	Check your balance and pay on-line at : www.RIeGov.com The PIN # to access your account is : MCB-CYV																				
Remit Tax Payment Town of Lincoln with Stub to: Tax Collector PO Box 100 Lincoln, RI 02865	State Aid: FY 16-17 STATE AID TO LINCOLN: \$11,489,492. TAX RATE REDUCED BY \$5.16/\$1000	<table border="0"> <tr> <td>Tax Rate:</td> <td>Real</td> <td>Com/Ind</td> <td>Tangible</td> <td>Inventory</td> </tr> <tr> <td>School</td> <td>15.650</td> <td>19.090</td> <td>24.570</td> <td>0.000</td> </tr> <tr> <td>Municipal</td> <td>5.950</td> <td>7.260</td> <td>9.350</td> <td>0.000</td> </tr> <tr> <td>Overall</td> <td>21.600</td> <td>26.350</td> <td>33.920</td> <td>0.000</td> </tr> </table>	Tax Rate:	Real	Com/Ind	Tangible	Inventory	School	15.650	19.090	24.570	0.000	Municipal	5.950	7.260	9.350	0.000	Overall	21.600	26.350	33.920	0.000
Tax Rate:	Real	Com/Ind	Tangible	Inventory																		
School	15.650	19.090	24.570	0.000																		
Municipal	5.950	7.260	9.350	0.000																		
Overall	21.600	26.350	33.920	0.000																		

WOONSOCKET CITY OF
WATER DIVISION
P O BOX B
WOONSOCKET RI 02895

*If any installment is not paid by the due date, then the entire unpaid balance shall become due and carry until collected an interest rate of 12% per annum from the date the quarterly payment was originally due.
*This bill is assumed to be correct if you do not appeal Real/Tang Prop within 90 days/ Motor Vehicle within 45 days.
*IMPORTANT INFORMATION ON BACK OF BILL.

LINCOLN	1st QUARTERLY PAYMENT 2016	2016	LINCOLN	2nd QUARTERLY PAYMENT 2016	2016
 <div style="text-align: right; font-size: 2em; font-weight: bold;">1</div> <p style="text-align: right;">Real / Tangible</p> <p>Account Number: 23-17200-08 Owner: WOONSOCKET CITY OF Payment Due Date: 07/29/2016</p> <p>1st Quarterly Payment: \$10.00 Annual Tax: \$10.00</p>			 <div style="text-align: right; font-size: 2em; font-weight: bold;">2</div> <p style="text-align: right;">Real / Tangible</p> <div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <p>Because the entire balance is below \$100.00, full payment is due by July 31, 2016.</p> </div>		

LINCOLN	3rd QUARTERLY PAYMENT 2016	2016	LINCOLN	4th QUARTERLY PAYMENT 2016	2016
 <div style="text-align: right; font-size: 2em; font-weight: bold;">3</div> <p style="text-align: right;">Real / Tangible</p> <div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <p>Because the entire balance is below \$100.00, full payment is due by July 31, 2016.</p> </div>			 <div style="text-align: right; font-size: 2em; font-weight: bold;">4</div> <p style="text-align: right;">Real / Tangible</p> <div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <p>Because the entire balance is below \$100.00, full payment is due by July 31, 2016.</p> </div>		

LINCOLN : 2016 TAX BILL					AN-23:001
CURRENT TAX BILL	Land	Building	Valuation	Annual Tax	
Description					
41-043.0 at 0 RESERVOIR RD	\$300		\$300		\$6.48
Minimum Tax Adj.			\$0		\$3.52

Page 1 of 1 2016 Tax Assessed as of 12/31/2015 Total Current Tax Bill **\$10.00**

PAST DUE TAX BILLS					Interest	Amount Due
Description	Original Bill	- Adjustments	- Payments	= Balance Due		
This account has no past due bills.						

RECEIVED

JUL 12 2016

By _____

Account Number 23-17200-08	 	Check your balance and pay on-line at : www.RieGov.com The PIN # to access your account is : NJN-FZV																				
Remit Tax Payment Town of Lincoln with Stub to: Tax Collector PO Box 100 Lincoln, RI 02865	State Aid: FY 16-17 STATE AID TO LINCOLN: \$11,489,492. TAX RATE REDUCED BY \$5.16/\$1000	<table border="0"> <tr> <td>Tax Rate:</td> <td>Real</td> <td>Com/Ind</td> <td>Tangible</td> <td>Inventory</td> </tr> <tr> <td>School</td> <td>15.650</td> <td>19.090</td> <td>24.570</td> <td>0.000</td> </tr> <tr> <td>Municipal</td> <td>5.950</td> <td>7.260</td> <td>9.350</td> <td>0.000</td> </tr> <tr> <td>Overall</td> <td>21.600</td> <td>26.350</td> <td>33.920</td> <td>0.000</td> </tr> </table>	Tax Rate:	Real	Com/Ind	Tangible	Inventory	School	15.650	19.090	24.570	0.000	Municipal	5.950	7.260	9.350	0.000	Overall	21.600	26.350	33.920	0.000
Tax Rate:	Real	Com/Ind	Tangible	Inventory																		
School	15.650	19.090	24.570	0.000																		
Municipal	5.950	7.260	9.350	0.000																		
Overall	21.600	26.350	33.920	0.000																		

WOONSOCKET CITY OF
WATER DIVISION
P O BOX B
WOONSOCKET RI 02895

*If any installment is not paid by the due date, then the entire unpaid balance shall become due and carry until collected an interest rate of 12% per annum from the date the quarterly payment was originally due.
*This bill is assumed to be correct if you do not appeal Real/Tang Prop within 90 days/ Motor Vehicle within 45 days.
*IMPORTANT INFORMATION ON BACK OF BILL.

LINCOLN	1st QUARTERLY PAYMENT 2016	2016	LINCOLN	2nd QUARTERLY PAYMENT 2016	2016
 1 Real / Tangible			 2 Real / Tangible		
Account Number: 23-17200-09 Owner: WOONSOCKET CITY OF Payment Due Date: 07/29/2016 1st Quarterly Payment: \$503.82 Annual Tax: \$2,015.28			Account Number: 23-17200-09 Owner: WOONSOCKET CITY OF Payment Due Date: 10/31/2016 2nd Quarterly Payment: \$503.82 Annual Tax: \$2,015.28		

LINCOLN	3rd QUARTERLY PAYMENT 2016	2016	LINCOLN	4th QUARTERLY PAYMENT 2016	2016
 3 Real / Tangible			 4 Real / Tangible		
Account Number: 23-17200-09 Owner: WOONSOCKET CITY OF Payment Due Date: 01/31/2017 3rd Quarterly Payment: \$503.82 Annual Tax: \$2,015.28			Account Number: 23-17200-09 Owner: WOONSOCKET CITY OF Payment Due Date: 04/28/2017 4th Quarterly Payment: \$503.82 Annual Tax: \$2,015.28		

LINCOLN : 2016 TAX BILL					AN-23-001
CURRENT TAX BILL	Land	Building	Valuation	Annual Tax	
Description					
41-041.0 at 65 OLD SAYLES HILL RD	\$92,100	\$1,200	\$93,300		\$2,015.28

Page 1 of 1 2016 Tax Assessed as of 12/31/2015 Total Current Tax Bill **\$2,015.28**

PAST DUE TAX BILLS				RECEIVED
Description	Original Bill	- Adjustments	- Payments	= Balance Due
This account has no past due bills.				
				JUL 12 2016
				By _____

Account Number 23-17200-09	 	Check your balance and pay on-line at : www.RIeGov.com The PIN # to access your account is : SDC-PFH
Remit Tax Payment with Stub to: Town of Lincoln Tax Collector PO Box 100 Lincoln, RI 02865	State Aid: FY 16-17 STATE AID TO LINCOLN: \$11,489,492. TAX RATE REDUCED BY \$5.16/\$1000	Tax Rate: Real Com/Ind Tangible Inventory School 15.650 19.090 24.570 0.000 Municipal 5.950 7.260 9.350 0.000 Overall 21.600 26.350 33.920 0.000

WOONSOCKET CITY OF
WATER DIVISION
P O BOX B
WOONSOCKET RI 02895

*If any installment is not paid by the due date, then the entire unpaid balance shall become due and carry until collected an interest rate of 12% per annum from the date the quarterly payment was originally due.
*This bill is assumed to be correct if you do not appeal Real/Tang Prop within 90 days/ Motor Vehicle within 45 days.
*IMPORTANT INFORMATION ON BACK OF BILL.

<p>LINCOLN 1st QUARTERLY PAYMENT 2016</p>  <p style="text-align: right; font-size: 2em;">1</p> <p style="text-align: right;">Real / Tangible</p> <p>Account Number: 23-17200-10 Owner: WOONSOCKET CITY OF Payment Due Date: 07/29/2016</p> <p>1st Quarterly Payment: \$10.00 Annual Tax: \$10.00</p>	<p>LINCOLN 2nd QUARTERLY PAYMENT 2016</p>  <p style="text-align: right; font-size: 2em;">2</p> <p style="text-align: right;">Real / Tangible</p> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p>Because the entire balance is below \$100.00, full payment is due by July 31, 2016.</p> </div>
---	---

<p>LINCOLN 3rd QUARTERLY PAYMENT 2016</p>  <p style="text-align: right; font-size: 2em;">3</p> <p style="text-align: right;">Real / Tangible</p> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p>Because the entire balance is below \$100.00, full payment is due by July 31, 2016.</p> </div>	<p>LINCOLN 4th QUARTERLY PAYMENT 2016</p>  <p style="text-align: right; font-size: 2em;">4</p> <p style="text-align: right;">Real / Tangible</p> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p>Because the entire balance is below \$100.00, full payment is due by July 31, 2016.</p> </div>
--	---

LINCOLN : 2016 TAX BILL				
CURRENT TAX BILL				AN-23:001
Description	Land	Building	Valuation	Annual Tax
39-009.0 at 0 SAYLES HILL RD	\$300		\$300	\$6.48
Minimum Tax Adj.			\$0	\$3.52

Page 1 of 1 2016 Tax Assessed as of 12/31/2015 **Total Current Tax Bill \$10.00**

PAST DUE TAX BILLS				
Description	Original Bill	- Adjustments	- Payments	= Balance Due + Interest = Amount Due
<p>This account has no past due bills.</p> <div style="float: right; border: 1px solid black; padding: 5px; margin-top: 10px;"> <p style="font-size: 1.5em; letter-spacing: 0.5em;">RECEIVED</p> <p style="text-align: center;">JUL 12 2016</p> <p>By _____</p> </div>				

Account Number 23-17200-10	 	Check your balance and pay on-line at : www.RIeGov.com The PIN # to access your account is : NYR-XXR																										
Remit Tax Payment Town of Lincoln with Stub to: Tax Collector PO Box 100 Lincoln, RI 02865	State Aid: FY 16-17 STATE AID TO LINCOLN: \$11,489,492. TAX RATE REDUCED BY \$5.16/\$1000	<table style="width:100%; border-collapse: collapse;"> <tr> <td style="text-align: right;">Tax Rate:</td> <td>Real</td> <td>Com/Ind</td> <td>Tangible</td> <td>Inventory</td> </tr> <tr> <td></td> <td>School</td> <td>15.650</td> <td>19.090</td> <td>24.570</td> </tr> <tr> <td></td> <td>Municipal</td> <td>5.950</td> <td>7.260</td> <td>9.350</td> </tr> <tr> <td></td> <td>Overall</td> <td>21.600</td> <td>26.350</td> <td>33.920</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>0.000</td> </tr> </table>	Tax Rate:	Real	Com/Ind	Tangible	Inventory		School	15.650	19.090	24.570		Municipal	5.950	7.260	9.350		Overall	21.600	26.350	33.920					0.000	
Tax Rate:	Real	Com/Ind	Tangible	Inventory																								
	School	15.650	19.090	24.570																								
	Municipal	5.950	7.260	9.350																								
	Overall	21.600	26.350	33.920																								
				0.000																								

WOONSOCKET CITY OF
WATER DIVISION
P O BOX B
WOONSOCKET RI 02895

*If any installment is not paid by the due date, then the entire unpaid balance shall become due and carry until collected an interest rate of 12% per annum from the date the quarterly payment was originally due.
*This bill is assumed to be correct if you do not appeal Real/Tang Prop within 90 days/ Motor Vehicle within 45 days.
*IMPORTANT INFORMATION ON BACK OF BILL.

LINCOLN 1st QUARTERLY PAYMENT 2016  <div style="text-align: right; font-size: 2em; font-weight: bold;">1</div> <div style="text-align: right;">Real / Tangible</div> <p>Account Number: 23-17200-11 Owner: WOONSOCKET CITY OF Payment Due Date: 07/29/2016</p> <p>1st Quarterly Payment: \$36.89 Annual Tax: \$36.89</p>	LINCOLN 2nd QUARTERLY PAYMENT 2016  <div style="text-align: right; font-size: 2em; font-weight: bold;">2</div> <div style="text-align: right;">Real / Tangible</div> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> Because the entire balance is below \$100.00, full payment is due by July 31, 2016. </div>
---	--

LINCOLN 3rd QUARTERLY PAYMENT 2016  <div style="text-align: right; font-size: 2em; font-weight: bold;">3</div> <div style="text-align: right;">Real / Tangible</div> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> Because the entire balance is below \$100.00, full payment is due by July 31, 2016. </div>	LINCOLN 4th QUARTERLY PAYMENT 2016  <div style="text-align: right; font-size: 2em; font-weight: bold;">4</div> <div style="text-align: right;">Real / Tangible</div> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> Because the entire balance is below \$100.00, full payment is due by July 31, 2016. </div>
---	--

LINCOLN : 2016 TAX BILL				
CURRENT TAX BILL	Land	Building	Valuation	Annual Tax
Description				
41-044.0/A at 0 ROUTE 295	\$1,400		\$1,400	\$36.89

Page 1 of 1 2016 Tax Assessed as of 12/31/2015 **Total Current Tax Bill \$36.89**

PAST DUE TAX BILLS				
Description	Original Bill	- Adjustments	- Payments	= Balance Due + Interest = Amount Due
This account has no past due bills.				



Account Number 23-17200-11	 	Check your balance and pay on-line at : www.RITeGov.com The PIN # to access your account is : RMZ-TKC
Remit Tax Payment Town of Lincoln with Stub to: Tax Collector PO Box 100 Lincoln, RI 02865	State Aid: FY 16-17 STATE AID TO LINCOLN: \$11,489,492. TAX RATE REDUCED BY \$5.16/\$1000	Tax Rate: Real Com/Ind Tangible Inventory School 15.650 19.090 24.570 0.000 Municipal 5.950 7.260 9.350 0.000 Overall 21.600 26.350 33.920 0.000

WOONSOCKET CITY OF
WATER DIVISION
P O BOX B
WOONSOCKET RI 02895

*If any installment is not paid by the due date, then the entire unpaid balance shall become due and carry until collected an interest rate of 12% per annum from the date the quarterly payment was originally due.
*This bill is assumed to be correct if you do not appeal Real/Tang Prop within 90 days/ Motor Vehicle within 45 days.
*IMPORTANT INFORMATION ON BACK OF BILL.



TOWN OF BLACKSTONE
Steven J. Perrault
Collector/Treasurer
15 St. Paul Street
Blackstone, Massachusetts 01504

Telephone: 508-883-1500 x117
Fax: 508-883-1543
Email: sperrault@townofblackstone.org

6 February 2018

City of Woonsocket
ATTN: Water Department
PO Box B, City Hall
Woonsocket, RI 02895



Please find the below FY18, Payment in Lieu of Taxes Invoice.

Due Date: 1 May 2018

Tax Rate: \$19.49

PARCEL: Plat 4 Lot 1

ASSESSMENT: \$824,000

PAYMENT: \$16,059.76

Catherine Muller, CMMT
Interim Treasurer / Collector
Town of Blackstone



3

Real / Tangible

Account Number: 23-17200-00
 Owner: WOONSOCKET CITY OF
 Payment Due Date: 01/31/2019

3rd Quarterly Payment: \$427.92
 Annual Tax: \$1,711.71



4

Real / Tangible

Account Number: 23-17200-00
 Owner: WOONSOCKET CITY OF
 Payment Due Date: 04/30/2019

4th Quarterly Payment: \$427.92
 Annual Tax: \$1,711.71

AN-23:001

LINCOLN : 2018 TAX BILL

CURRENT TAX BILL

Description	Land	Building	Valuation	Annual Tax
39-019.0 at 0 OLD RIVER RD	\$62,700		\$62,700	\$1,711.71

Page 1 of 1

2018 Tax Assessed as of 12/31/2017

Total Current Tax Bill \$1,711.71

PAST DUE TAX BILLS

Description Original Bill - Adjustments - Payments = Balance Due + Interest = Amount Due

This account has no past due bills.

Account Number 23-17200-00



Check your balance and pay on-line at : www.RIEgov.com
 The PIN # to access your account is : **XDC-MVL**

Remit Tax Payment Town of Lincoln
 with Stub to: Tax Collector
 PO Box 100
 Lincoln, RI 02865

State Aid: FY 18-19 STATE AID TO LINCOLN:
 \$12,771,886. TAX RATE REDUCED
 BY \$5.72/\$1000

Tax Rate:	Real	Com/Ind	Tangible	Inventory
School	16.010	19.550	25.160	0.000
Municipal	6.340	7.750	9.970	0.000
Overall	22.350	27.300	35.130	0.000

WOONSOCKET CITY OF
 WATER DIVISION
 P.O. BOX B
 WOONSOCKET RI 02895

*If any installment is not paid by the due date, then the entire unpaid balance shall become due and carry until collected an interest rate of 12% per annum from the date the quarterly payment was originally due.
 *This bill is assumed to be correct if you do not appeal Real/Tang Prop within 90 days/ Motor Vehicle within 45 days.
 *IMPORTANT INFORMATION ON BACK OF BILL.

LINCOLN 3rd QUARTERLY PAYMENT 2019



3
Real / Tangible

Account Number: 23-17200-01
Owner: WOONSOCKET CITY OF
Payment Due Date: 01/31/2019

3rd Quarterly Payment: \$794.43
Annual Tax: \$3,177.72

LINCOLN 4th QUARTERLY PAYMENT 2019



4
Real / Tangible

Account Number: 23-17200-01
Owner: WOONSOCKET CITY OF
Payment Due Date: 04/30/2019

4th Quarterly Payment: \$794.43
Annual Tax: \$3,177.72

CURRENT TAX BILL LINCOLN : 2018 TAX BILL AN-23:001

Description	Land	Building	Valuation	Annual Tax
40-008.0 at 0 OLD GREAT RD	\$116,400		\$116,400	\$3,177.72

Page 1 of 1 2018 Tax Assessed as of 12/31/2017 **Total Current Tax Bill \$3,177.72**

PAST DUE TAX BILLS

Description	Original Bill	- Adjustments	- Payments	= Balance Due	+ Interest	= Amount Due
This account has no past due bills.						

Account Number 23-17200-01   Check your balance and pay on-line at : www.RiEGov.com
The PIN # to access your account is : **SDD-JJB**

Remit Tax Payment Town of Lincoln with Stub to: Tax Collector PO Box 100 Lincoln, RI 02865	State Aid: FY 18-19 STATE AID TO LINCOLN:	Tax Rate:	Real	Com/Ind	Tangible	Inventory
	\$12,771,886. TAX RATE REDUCED	School	16.010	19.550	25.160	0.000
	BY \$5.72/\$1000	Municipal	6.340	7.750	9.970	0.000
		Overall	22.350	27.300	35.130	0.000

WOONSOCKET CITY OF
WATER DIVISION
P O BOX B
WOONSOCKET RI 02895

*If any installment is not paid by the due date, then the entire unpaid balance shall become due and carry until collected an interest rate of 12% per annum from the date the quarterly payment was originally due.
*This bill is assumed to be correct if you do not appeal Real/Tang Prop within 90 days/ Motor Vehicle within 45 days.
*IMPORTANT INFORMATION ON BACK OF BILL.

LINCOLN 3RD QUARTERLY PAYMENT 2018



3

Real / Tangible

Account Number: 23-17200-02
 Owner: WOONSOCKET CITY OF
 Payment Due Date: 01/31/2019

3rd Quarterly Payment: \$401.18
 Annual Tax: \$1,604.73

LINCOLN 4TH QUARTERLY PAYMENT 2018



4

Real / Tangible

Account Number: 23-17200-02
 Owner: WOONSOCKET CITY OF
 Payment Due Date: 04/30/2019

4th Quarterly Payment: \$401.18
 Annual Tax: \$1,604.73

LINCOLN : 2018 TAX BILL AN-23:001

CURRENT TAX BILL Description	Land	Building	Valuation	Annual Tax
39-001.0 at 0 SAYLES HILL RD	\$71,800		\$71,800	\$1,604.73

Page 1 of 1 2018 Tax Assessed as of 12/31/2017 **Total Current Tax Bill \$1,604.73**

PAST DUE TAX BILLS

Description	Original Bill	- Adjustments	- Payments	= Balance Due	+ Interest	= Amount Due
This account has no past due bills.						

Account Number 23-17200-02  Check your balance and pay on-line at : www.RIeGov.com
 The PIN # to access your account is : **XLX-XZX**

Remit Tax Payment Town of Lincoln with Stub to: Tax Collector PO Box 100 Lincoln, RI 02865	State Aid: FY 18-19 STATE AID TO LINCOLN: \$12,771,886. TAX RATE REDUCED BY \$5.72/\$1000	Tax Rate:	Real	Com/Ind	Tangible	Inventory
		School	16.010	19.550	25.160	0.000
		Municipal	6.340	7.750	9.970	0.000
		Overall	22.350	27.300	35.130	0.000

WOONSOCKET CITY OF
 WATER DIVISION
 P O BOX B
 WOONSOCKET RI 02895

*If any installment is not paid by the due date, then the entire unpaid balance shall become due and carry until collected an interest rate of 12% per annum from the date the quarterly payment was originally due.
 *This bill is assumed to be correct if you do not appeal Real/Tang Prop within 90 days/ Motor Vehicle within 45 days.
 *IMPORTANT INFORMATION ON BACK OF BILL.

3

Real / Tangible



4

Real / Tangible

below
oy

Because the entire balance is below
\$100.00, full payment is due by
July 31, 2018.

LINCOLN : 2018 TAX BILL

AN-23:001

	Land	Building	Valuation	Annual Tax
	\$500		\$500	\$11.18

2018 Tax Assessed as of 12/31/2017

Total Current Tax Bill

\$11.18

Adjustments - Payments = Balance Due + Interest = Amount Due

is account has no past due bills.



Check your balance and pay on-line at : www.RTeGov.com
The PIN # to access your account is : **FHX-DRM**

State Aid: FY 18-19 STATE AID TO LINCOLN:
\$12,771,886. TAX RATE REDUCED
BY \$5.72/\$1000

Tax Rate:	Real	Com/Ind	Tangible	Inventory
School	16.010	19.550	25.160	0.000
Municipal	6.340	7.750	9.970	0.000
Overall	22.350	27.300	35.130	0.000

*If any installment is not paid by the due date, then the entire unpaid balance shall become due and carry until collected an interest rate of 12% per annum from the date the quarterly payment was originally due.

*This bill is assumed to be correct if you do not appeal Real/Tang Prop within 90 days/ Motor Vehicle within 45 days.

*IMPORTANT INFORMATION ON BACK OF BILL.

LINCOLN 3rd QUARTERLY PAYMENT 2018



3
Real / Tangible

Account Number: 23-17200-05
 Owner: WOONSOCKET CITY OF
 Payment Due Date: 01/31/2019

3rd Quarterly Payment: \$406.77
 Annual Tax: \$1,627.08

LINCOLN 4th QUARTERLY PAYMENT 2018



4
Real / Tangible

Account Number: 23-17200-05
 Owner: WOONSOCKET CITY OF
 Payment Due Date: 04/30/2019

4th Quarterly Payment: \$406.77
 Annual Tax: \$1,627.08

LINCOLN : 2018 TAX BILL AN-23:001

Description	Land	Building	Valuation	Annual Tax
40-049.0 at 0 SAYLES HILL RD	\$59,600		\$59,600	\$1,627.08

Page 1 of 1 2018 Tax Assessed as of 12/31/2017 **Total Current Tax Bill \$1,627.08**

PAST DUE TAX BILLS

Description	Original Bill	- Adjustments	- Payments	= Balance Due	+ Interest	= Amount Due
-------------	---------------	---------------	------------	---------------	------------	--------------

This account has no past due bills.

Account Number 23-17200-05   Check your balance and pay on-line at : www.RIEgov.com
 The PIN # to access your account is : **LKW-NCZ**

Remit Tax Payment Town of Lincoln with Stub to: Tax Collector PO Box 100 Lincoln, RI 02865	State Aid: FY 18-19 STATE AID TO LINCOLN: \$12,771,886. TAX RATE REDUCED BY \$5.72/\$1000	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: right;">Tax Rate:</td> <td style="text-align: center;">Real</td> <td style="text-align: center;">Com/Ind</td> <td style="text-align: center;">Tangible</td> <td style="text-align: center;">Inventory</td> </tr> <tr> <td></td> <td style="text-align: center;">School</td> <td style="text-align: center;">16.010</td> <td style="text-align: center;">19.550</td> <td style="text-align: center;">25.160</td> </tr> <tr> <td></td> <td style="text-align: center;">Municipal</td> <td style="text-align: center;">6.340</td> <td style="text-align: center;">7.750</td> <td style="text-align: center;">9.970</td> </tr> <tr> <td></td> <td style="text-align: center;">Overall</td> <td style="text-align: center;">22.350</td> <td style="text-align: center;">27.300</td> <td style="text-align: center;">35.130</td> </tr> <tr> <td></td> <td></td> <td style="text-align: center;">0.000</td> <td style="text-align: center;">0.000</td> <td style="text-align: center;">0.000</td> </tr> </table>	Tax Rate:	Real	Com/Ind	Tangible	Inventory		School	16.010	19.550	25.160		Municipal	6.340	7.750	9.970		Overall	22.350	27.300	35.130			0.000	0.000	0.000
Tax Rate:	Real	Com/Ind	Tangible	Inventory																							
	School	16.010	19.550	25.160																							
	Municipal	6.340	7.750	9.970																							
	Overall	22.350	27.300	35.130																							
		0.000	0.000	0.000																							

WOONSOCKET CITY OF
 WATER DIVISION
 P O BOX B
 WOONSOCKET RI 02895

*If any installment is not paid by the due date, then the entire unpaid balance shall become due and carry until collected an interest rate of 12% per annum from the date the quarterly payment was originally due.
 *This bill is assumed to be correct if you do not appeal Real/Tang Prop within 90 days/ Motor Vehicle within 45 days.
 *IMPORTANT INFORMATION ON BACK OF BILL.

LINCOLN 3RD QUARTERLY PAYMENT 2018



3

Real / Tangible

Account Number: 23-17200-06
 Owner: WOONSOCKET CITY OF
 Payment Due Date: 01/31/2019

3rd Quarterly Payment: \$674.41
 Annual Tax: \$2,697.65

LINCOLN 4TH QUARTERLY PAYMENT 2018



4

Real / Tangible

Account Number: 23-17200-06
 Owner: WOONSOCKET CITY OF
 Payment Due Date: 04/30/2019

4th Quarterly Payment: \$674.41
 Annual Tax: \$2,697.65

LINCOLN : 2018 TAX BILL AN-23:001

CURRENT TAX BILL Description	Land	Building	Valuation	Annual Tax
41-022.0 at 0 RESERVOIR RD	\$120,700		\$120,700	\$2,697.65

Page 1 of 1 2018 Tax Assessed as of 12/31/2017 **Total Current Tax Bill \$2,697.65**

PAST DUE TAX BILLS

Description	Original Bill	Adjustments	Payments	= Balance Due	+ Interest	= Amount Due
This account has no past due bills.						

Account Number 23-17200-06   Check your balance and pay on-line at : www.RIeGov.com
 The PIN # to access your account is : **GJJ-WRX**

Remit Tax Payment Town of Lincoln with Stub to: Tax Collector PO Box 100 Lincoln, RI 02865	State Aid: FY 18-19 STATE AID TO LINCOLN: \$12,771,886. TAX RATE REDUCED BY \$5.72/\$1000	Tax Rate:	Real	Com/Ind	Tangible	Inventory
		School	16.010	19.550	25.160	0.000
		Municipal	6.340	7.750	9.970	0.000
		Overall	22.350	27.300	35.130	0.000

WOONSOCKET CITY OF
 WATER DIVISION
 P O BOX B
 WOONSOCKET RI 02895

*If any installment is not paid by the due date, then the entire unpaid balance shall become due and carry until collected an interest rate of 12% per annum from the date the quarterly payment was originally due.
 *This bill is assumed to be correct if you do not appeal Real/Tang Prop within 90 days/ Motor Vehicle within 45 days.
 *IMPORTANT INFORMATION ON BACK OF BILL.

LINCOLN 3RD QUARTERLY PAYMENT 2018

 **3**
Real / Tangible

Account Number: 23-17200-07
Owner: WOONSOCKET CITY OF
Payment Due Date: 01/31/2019

3rd Quarterly Payment: \$124.60
Annual Tax: \$498.41

LINCOLN 4TH QUARTERLY PAYMENT 2018

 **4**
Real / Tangible

Account Number: 23-17200-07
Owner: WOONSOCKET CITY OF
Payment Due Date: 04/30/2019

4th Quarterly Payment: \$124.60
Annual Tax: \$498.41

AN-23:001

LINCOLN : 2018 TAX BILL

CURRENT TAX BILL Description	Land	Building	Valuation	Annual Tax
41-040.0 at 0 EDDIE DOWLING HWY	\$22,300		\$22,300	\$498.41

Page 1 of 1 2018 Tax Assessed as of 12/31/2017 **Total Current Tax Bill \$498.41**

PAST DUE TAX BILLS

Description	Original Bill	- Adjustments	- Payments	= Balance Due	+ Interest	= Amount Due
This account has no past due bills.						

Account Number 23-17200-07



 Check your balance and pay on-line at : www.RIeGov.com
 The PIN # to access your account is : **MCB-CYV**

Remit Tax Payment with Stub to: Tax Collector PO Box 100 Lincoln, RI 02865	State Aid: FY 18-19 STATE AID TO LINCOLN:	Tax Rate:	Real	Com/Ind	Tangible	Inventory
	\$12,771,886. TAX RATE REDUCED	School	16.010	19.550	25.160	0.000
	BY \$5.72/\$1000	Municipal	6.340	7.750	9.970	0.000
		Overall	22.350	27.300	35.130	0.000

WOONSOCKET CITY OF
WATER DIVISION
P O BOX B
WOONSOCKET RI 02895

*If any installment is not paid by the due date, then the entire unpaid balance shall become due and carry until collected an interest rate of 12% per annum from the date the quarterly payment was originally due.
*This bill is assumed to be correct if you do not appeal Real/Tang Prop within 90 days/ Motor Vehicle within 45 days.
*IMPORTANT INFORMATION ON BACK OF BILL.



3

Real / Tangible



4

Real / Tangible

Because the entire balance is below \$100.00, full payment is due by July 31, 2018.

Because the entire balance is below \$100.00, full payment is due by July 31, 2018.

AN-23:001

CURRENT TAX BILL

LINCOLN : 2018 TAX BILL

Description	Land	Building	Valuation	Annual Tax
41-043.0 at 0 RESERVOIR RD	\$300		\$300	\$6.71
Minimum Tax Adj.			\$0	\$3.29

Page 1 of 1

2018 Tax Assessed as of 12/31/2017

Total Current Tax Bill

\$10.00

PAST DUE TAX BILLS

Description Original Bill - Adjustments - Payments = Balance Due + Interest = Amount Due

This account has no past due bills.

Account Number 23-17200-08



Check your balance and pay on-line at : www.RIeGov.com

The PIN # to access your account is : NJN-FZV

Remit Tax Payment Town of Lincoln
with Stub to: Tax Collector
PO Box 100
Lincoln, RI 02865

State Aid: FY 18-19 STATE AID TO LINCOLN:
\$12,771,886. TAX RATE REDUCED
BY \$5.72/\$1000

Tax Rate:	Real	Com/Ind	Tangible	Inventory
School	16.010	19.550	25.160	0.000
Municipal	6.340	7.750	9.970	0.000
Overall	22.350	27.300	35.130	0.000

WOONSOCKET CITY OF
WATER DIVISION
P O BOX B
WOONSOCKET RI 02895

*If any installment is not paid by the due date, then the entire unpaid balance shall become due and carry until collected an interest rate of 12% per annum from the date the quarterly payment was originally due.
*This bill is assumed to be correct if you do not appeal Real/Tang Prop within 90 days/ Motor Vehicle within 45 days.
*IMPORTANT INFORMATION ON BACK OF BILL.

LINCOLN 3RD QUARTERLY PAYMENT 2018

 **3**
Real / Tangible

Because the entire balance is below \$100.00, full payment is due by July 31, 2018.

LINCOLN 4TH QUARTERLY PAYMENT 2018

 **4**
Real / Tangible

Because the entire balance is below \$100.00, full payment is due by July 31, 2018.

AN-23:001

LINCOLN : 2018 TAX BILL

CURRENT TAX BILL Description	Land	Building	Valuation	Annual Tax
39-009.0 at 0 SAYLES HILL RD	\$300		\$300	\$6.71
Minimum Tax Adj.			\$0	\$3.29

Page 1 of 1 2018 Tax Assessed as of 12/31/2017 **Total Current Tax Bill** **\$10.00**

PAST DUE TAX BILLS

Description	Original Bill	- Adjustments	- Payments	= Balance Due	+ Interest	= Amount Due
This account has no past due bills.						

Account Number 23-17200-10

Check your balance and pay on-line at : www.RiEGov.com
The PIN # to access your account is : **NYR-XXR**

Remit Tax Payment with Stub to: Tax Collector PO Box 100 Lincoln, RI 02865	State Aid: FY 18-19 STATE AID TO LINCOLN: \$12,771,886. TAX RATE REDUCED BY \$5.72/\$1000	Tax Rate:	Real	Com/Ind	Tangible	Inventory
		School	16.010	19.550	25.160	0.000
		Municipal	6.340	7.750	9.970	0.000
		Overall	22.350	27.300	35.130	0.000

WOONSOCKET CITY OF
WATER DIVISION
P O BOX B
WOONSOCKET RI 02895

*If any installment is not paid by the due date, then the entire unpaid balance shall become due and carry until collected an interest rate of 12% per annum from the date the quarterly payment was originally due.
*This bill is assumed to be correct if you do not appeal Real/Tang Prop within 90 days/ Motor Vehicle within 45 days.
*IMPORTANT INFORMATION ON BACK OF BILL.



3

Real / Tangible

Because the entire balance is below \$100.00, full payment is due by July 31, 2018.



4

Real / Tangible

Because the entire balance is below \$100.00, full payment is due by July 31, 2018.

CURRENT TAX BILL LINCOLN : 2018 TAX BILL AN-23:001

Description	Land	Building	Valuation	Annual Tax
41-044.0/A at 0 ROUTE 295	\$1,400		\$1,400	\$38.22

Page 1 of 1 2018 Tax Assessed as of 12/31/2017 **Total Current Tax Bill \$38.22**

PAST DUE TAX BILLS
 Description Original Bill - Adjustments - Payments = Balance Due + Interest = Amount Due

This account has no past due bills.

Account Number 23-17200-11 Check your balance and pay on-line at : www.RIEgov.com
 The PIN # to access your account is : **RMZ-TKC**

Remit Tax Payment with Stub to: Tax Collector PO Box 100 Lincoln, RI 02865	State Aid: FY 18-19 STATE AID TO LINCOLN:	Tax Rate:	Real	Com/Ind	Tangible	Inventory
	\$12,771,886. TAX RATE REDUCED	School	16.010	19.550	25.160	0.000
	BY \$5.72/\$1000	Municipal	6.340	7.750	9.970	0.000
		Overall	22.350	27.300	35.130	0.000

WOONSOCKET CITY OF
 WATER DIVISION
 P O BOX B
 WOONSOCKET RI 02895

*If any installment is not paid by the due date, then the entire unpaid balance shall become due and carry until collected an interest rate of 12% per annum from the date the quarterly payment was originally due.
 *This bill is assumed to be correct if you do not appeal Real/Tang Prop within 90 days/ Motor Vehicle within 45 days.
 *IMPORTANT INFORMATION ON BACK OF BILL.

**MANVILLE FIRE DISTRICT
2017 FIRE DISTRICT TAX BILL**



Account Number **F23-17200-05**

Notice of Tax Assessed : **12/31/2016**

Tax Rate per \$1,000 valuation:

Real : **1.47**

Tangible : **1.47**

Telephone : **(401) 765-4456**

**WOONSOCKET CITY OF
WATER DIVISION
P O BOX B
WOONSOCKET RI 02895**

Due Date	Total Due	Amount Enclosed
11/30/2017	\$87.61	
*PLEASE READ THE BACK OF THIS BILL FOR IMPORTANT INFORMATION		
*DELINQUENT MOTOR VEHICLE TAXES WILL RESULT IN A REGISTRATION BLOCK WITH THE RI DMV AND OLDER BILLS SENT TO A COLLECTION AGENCY		
*Please include this top portion of the bill with your check		
*Electronic bank checks MUST have the correct account numbers for each account that is being paid. The check will be returned if the account numbers and amounts being paid do not agree.		
*State Legislation regarding MOTOR VEHICLE PHASE OUT is reflected in 2017 Motor Vehicle Billing. This reflects a \$1,000 exemption and any vehicle 2002 and older is not taxed.		

^ Detach here ^

PLEASE DETACH AND RETURN TOP PORTION OF BILL WITH YOUR PAYMENT

^ Detach here ^



Check your balance and pay on-line at : www.RIeGov.com
The PIN # to access your account is : **VJY-TQQ**

Account Number **F23-17200-05**
Notice of Tax Assessed : **12/31/2016**

CURRENT TAX BILL				
Description	Land	Building	Valuation	Annual Tax
40-049.0 at 0 SAYLES HILL RD	\$59,600		\$59,600	\$87.61
			Total:	87.61

PAST DUE TAX BILLS OR CREDITS						
Description	Original Bill	- Adjustments	- Payments	= Balance Due	+ Interest	= Amount Due
This account has no past due bills.						



**MANVILLE FIRE DISTRICT
2017 FIRE DISTRICT TAX BILL
Taxpayer: WOONSOCKET CITY OF**

Tax Rate per \$1,000 valuation:

Real : **1.47**

Tangible : **1.47**

Account Number **F23-17200-05**

Telephone : **(401) 765-4456**

REMIT TAX PAYMENT TO:

Manville Fire District
Tax Collector
PO BOX 83
Manville, RI 02838

IF A RECEIPT IS DESIRED, ENCLOSE A STAMPED SELF ADDRESSED ENVELOPE.
PLEASE WRITE YOUR ACCOUNT NUMBER ON YOUR CHECK.

MANVILLE FIRE DISTRICT 2017 FIRE DISTRICT TAX BILL



Account Number **F23-17200-04**

Notice of Tax Assessed : **12/31/2016**

Tax Rate per \$1,000 valuation:

Real : **1.47**

Tangible : **1.47**

Telephone : **(401) 765-4456**

**WOONSOCKET CITY OF
WATER DIVISION
P O BOX B
WOONSOCKET RI 02895**

Due Date	Total Due	Amount Enclosed
11/30/2017	\$72.62	
<p>*PLEASE READ THE BACK OF THIS BILL FOR IMPORTANT INFORMATION</p> <p>*DELINQUENT MOTOR VEHICLE TAXES WILL RESULT IN A REGISTRATION BLOCK WITH THE RI DMV AND OLDER BILLS SENT TO A COLLECTION AGENCY</p> <p>*Please include this top portion of the bill with your check</p> <p>*Electronic bank checks MUST have the correct account numbers for each account that is being paid. The check will be returned if the account numbers and amounts being paid do not agree.</p> <p>*State Legislation regarding MOTOR VEHICLE PHASE OUT is reflected in 2017 Motor Vehicle Billing. This reflects a \$1,000 exemption and any vehicle 2002 and older is not taxed.</p>		

^ Detach here ^ PLEASE DETACH AND RETURN TOP PORTION OF BILL WITH YOUR PAYMENT ^ Detach here ^



 Check your balance and pay on-line at : www.RIeGov.com
 The PIN # to access your account is : **KJX-YRD**

Account Number **F23-17200-04**
 Notice of Tax Assessed : **12/31/2016**

CURRENT TAX BILL				
Description	Land	Building	Valuation	Annual Tax
39-012.0 at 0 OLD RIVER RD	\$49,400		\$49,400	\$72.62
Total:				72.62

PAST DUE TAX BILLS OR CREDITS				
Description	Original Bill	- Adjustments	- Payments	= Balance Due + Interest = Amount Due
This account has no past due bills.				



**MANVILLE FIRE DISTRICT
2017 FIRE DISTRICT TAX BILL
Taxpayer: WOONSOCKET CITY OF**

Tax Rate per \$1,000 valuation:

Real : **1.47**

Tangible : **1.47**

Account Number **F23-17200-04**

Telephone : **(401) 765-4456**

REMIT TAX PAYMENT TO:
 Manville Fire District
 Tax Collector
 PO BOX 83
 Manville, RI 02838

IF A RECEIPT IS DESIRED, ENCLOSE A STAMPED SELF ADDRESSED ENVELOPE.
 PLEASE WRITE YOUR ACCOUNT NUMBER ON YOUR CHECK.

MANVILLE FIRE DISTRICT 2017 FIRE DISTRICT TAX BILL



Account Number **F23-17200-02**

Notice of Tax Assessed : **12/31/2016**

Tax Rate per \$1,000 valuation:

Real : **1.47**

Tangible : **1.47**

Telephone : **(401) 765-4456**

**WOONSOCKET CITY OF
WATER DIVISION
P O BOX B
WOONSOCKET RI 02895**

Due Date	Total Due	Amount Enclosed
11/30/2017	\$105.55	
<p>*PLEASE READ THE BACK OF THIS BILL FOR IMPORTANT INFORMATION</p> <p>*DELINQUENT MOTOR VEHICLE TAXES WILL RESULT IN A REGISTRATION BLOCK WITH THE RI DMV AND OLDER BILLS SENT TO A COLLECTION AGENCY</p> <p>*Please include this top portion of the bill with your check</p> <p>*Electronic bank checks MUST have the correct account numbers for each account that is being paid. The check will be returned if the account numbers and amounts being paid do not agree.</p> <p>*State Legislation regarding MOTOR VEHICLE PHASE OUT is reflected in 2017 Motor Vehicle Billing. This reflects a \$1,000 exemption and any vehicle 2002 and older is not taxed.</p>		

^ Detach here ^

PLEASE DETACH AND RETURN TOP PORTION OF BILL WITH YOUR PAYMENT

^ Detach here ^



Check your balance and pay on-line at : www.RIEgov.com
The PIN # to access your account is : **PLN-HMY**

Account Number **F23-17200-02**
Notice of Tax Assessed : **12/31/2016**

CURRENT TAX BILL				
Description	Land	Building	Valuation	Annual Tax
39-001.0 at 0 SAYLES HILL RD	\$71,800		\$71,800	\$105.55
			Total:	105.55

PAST DUE TAX BILLS OR CREDITS					
Description	Original Bill	- Adjustments	- Payments	= Balance Due	+ Interest = Amount Due
This account has no past due bills.					



**MANVILLE FIRE DISTRICT
2017 FIRE DISTRICT TAX BILL
Taxpayer: WOONSOCKET CITY OF**

Tax Rate per \$1,000 valuation:

Real : **1.47**

Tangible : **1.47**

Account Number **F23-17200-02**

Telephone : **(401) 765-4456**

REMIT TAX PAYMENT TO:

Manville Fire District
Tax Collector
PO BOX 83
Manville, RI 02838

IF A RECEIPT IS DESIRED, ENCLOSE A STAMPED SELF ADDRESSED ENVELOPE.
PLEASE WRITE YOUR ACCOUNT NUMBER ON YOUR CHECK.

**MANVILLE FIRE DISTRICT
2017 FIRE DISTRICT TAX BILL**



Account Number **F23-17200-00**

Notice of Tax Assessed : **12/31/2016**

Tax Rate per \$1,000 valuation:

Real : **1.47**

Tangible : **1.47**

Telephone : **(401) 765-4456**

**WOONSOCKET CITY OF
WATER DIVISION
P.O. BOX B
WOONSOCKET RI 02895**

Due Date	Total Due	Amount Enclosed
11/30/2017	\$92.17	
*PLEASE READ THE BACK OF THIS BILL FOR IMPORTANT INFORMATION		
*DELINQUENT MOTOR VEHICLE TAXES WILL RESULT IN A REGISTRATION BLOCK WITH THE RI DMV AND OLDER BILLS SENT TO A COLLECTION AGENCY		
*Please include this top portion of the bill with your check		
*Electronic bank checks MUST have the correct account numbers for each account that is being paid. The check will be returned if the account numbers and amounts being paid do not agree.		
*State Legislation regarding MOTOR VEHICLE PHASE OUT is reflected in 2017 Motor Vehicle Billing. This reflects a \$1,000 exemption and any vehicle 2002 and older is not taxed.		

^ Detach here ^

PLEASE DETACH AND RETURN TOP PORTION OF BILL WITH YOUR PAYMENT

^ Detach here ^



 Check your balance and pay on-line at : www.RIEgov.com
 The PIN # to access your account is : **CFC-NFD**

Account Number **F23-17200-00**
 Notice of Tax Assessed : **12/31/2016**

CURRENT TAX BILL				
Description	Land	Building	Valuation	Annual Tax
39-019.0 at 0 OLD RIVER RD	\$62,700		\$62,700	\$92.17
Total:				92.17

PAST DUE TAX BILLS OR CREDITS											
Description	Original Bill	-	Adjustments	-	Payments	=	Balance Due	+	Interest	=	Amount Due
This account has no past due bills.											

**MANVILLE FIRE DISTRICT
2017 FIRE DISTRICT TAX BILL
Taxpayer: WOONSOCKET CITY OF**

Tax Rate per \$1,000 valuation:

Real : **1.47**

Tangible : **1.47**

Account Number **F23-17200-00**

Telephone : **(401) 765-4456**



REMIT TAX PAYMENT TO:

Manville Fire District
 Tax Collector
 PO BOX 83
 Manville, RI 02838

IF A RECEIPT IS DESIRED, ENCLOSE A STAMPED SELF ADDRESSED ENVELOPE.
 PLEASE WRITE YOUR ACCOUNT NUMBER ON YOUR CHECK.

MANVILLE

Account Number: F23-17200-10

Total Amount Due:	\$30.06
Date Due:	12/05/2017
Amount Enclosed:	

WOONSOCKET CITY OF
WATER DIVISION
P O BOX B
WOONSOCKET RI 02895

Please Remit Payment To:
Tax Collector
MANVILLE FIRE DISTRICT
PO Box 83
Manville, RI 02838
Phone: 401-765-4456

RETURN THIS PORTION WITH YOUR...

Printed: 12/05/2017 at 08:26:56

Manville FD -

Penalty computed as of: 12/05/2017
Penalty accrues at \$ 0.01 per day.

Account Number: F23-17200-10

WOONSOCKET CITY OF

Error in calculation. Please note that I will waive any assessed penalties if bill is received by December 20.

Description	Billed	Amount Due	Penalty Due	Total Due
2017 RP Tng Tax Roll Real: 39-009.0 at SAYLES HILL RD	30.00	30.00	0.06	30.06



Check your balance and pay on-line at : www.RIeGov.com
The PIN # to access your account is : **HWK-JFY**

MANVILLE

Account Number: F23-17200-03

Total Amount Due:	\$30.06
Date Due:	12/05/2017
Amount Enclosed:	

WOONSOCKET CITY OF
WATER DIVISION
P O BOX B
WOONSOCKET RI 02895

Please Remit Payment To:
Tax Collector
MANVILLE FIRE DISTRICT
PO Box 83
Manville, RI 02838
Phone: 401-765-4456

RETURN THIS PORTION WITH YOUR...

Printed: 12/05/2017 at 08:27:49

Manville FD -

Penalty computed as of: 12/05/2017
Penalty accrues at \$ 0.01 per day.

Account Number: F23-17200-03

WOONSOCKET CITY OF

Error in calculation. Please note that I will waive any assessed penalties if bill is received by December 20.

Description	Billed	Amount Due	Penalty Due	Total Due
2017 RP Tng Tax Roll				
Real: 39-008.0 at SAYLES HILL RD	30.00	30.00	0.06	30.06



MANVILLE FIRE DISTRICT
2017 FIRE DISTRICT TAX BILL

10/17/17 5:00 PM


Account Number F23-17200-10

Notice of Tax Assessed : 12/31/2016

Tax Rate per \$1,000 valuation:

Real : 1.47
 Tangible : 1.47

Telephone : (401) 765-4456

WOONSOCKET CITY OF
WATER DIVISION
P O BOX B
WOONSOCKET RI 02895

Due Date	Total Due	Amount Enclosed
11/30/2017	(\$58.56)	

*PLEASE READ THE BACK OF THIS BILL FOR IMPORTANT INFORMATION

*DELINQUENT MOTOR VEHICLE TAXES WILL RESULT IN A REGISTRATION BLOCK WITH THE RI DMV AND OLDER BILLS SENT TO A COLLECTION AGENCY

*Please include this top portion of the bill with your check

*Electronic bank checks MUST have the correct account numbers for each account that is being paid. The check will be returned if the account numbers and amounts being paid do not agree.

*State Legislation regarding MOTOR VEHICLE PHASE OUT is reflected in 2017 Motor Vehicle Billing. This reflects a \$1,000 exemption and any vehicle 2002 and older is not taxed.

^ Detach here ^

PLEASE DETACH AND RETURN TOP PORTION OF BILL WITH YOUR PAYMENT

^ Detach here ^


 Check your balance and pay on-line at : www.RIEgov.com
 The PIN # to access your account is : HWK-JFY

Account Number F23-17200-10
 Notice of Tax Assessed : 12/31/2016

CURRENT TAX BILL				
Description	Land	Building	Valuation	Annual Tax
39-009.0 at 0 SAYLES HILL RD	\$300		\$300	\$0.44
Minimum Tax Adj.			\$0	\$29.56
Total:				30.00

PAST DUE TAX BILLS OR CREDITS							
Description	Original Bill	-	Adjustments	-	Payments	=	Balance Due + Interest = Amount Due
2014 RP Tng Tax Roll	0.50		0.00		30.00		-29.50
2015 RP TngTax Roll	0.50		0.00		30.00		-29.50
2016 RP Tng Tax Roll	0.44		0.00		30.00		-29.56
Total Prior Year Credit:							-88.56



MANVILLE FIRE DISTRICT
2017 FIRE DISTRICT TAX BILL
Taxpayer: WOONSOCKET CITY OF

Tax Rate per \$1,000 valuation:

Real : 1.47
 Tangible : 1.47

Account Number F23-17200-10

Telephone : (401) 765-4456

REMIT TAX PAYMENT TO:

Manville Fire District
 Tax Collector
 PO BOX 83
 Manville, RI 02838

IF A RECEIPT IS DESIRED, ENCLOSE A STAMPED SELF ADDRESSED ENVELOPE.
 PLEASE WRITE YOUR ACCOUNT NUMBER ON YOUR CHECK.

**MANVILLE FIRE DISTRICT
2017 FIRE DISTRICT TAX BILL**



Account Number F23-17200-04

Notice of Tax Assessed : 12/31/2016

Tax Rate per \$1,000 valuation:

Real : 1.47

Tangible : 1.47

Telephone : (401) 765-4456

**WOONSOCKET CITY OF
WATER DIVISION
P O BOX B
WOONSOCKET RI 02895**

Due Date	Total Due	Amount Enclosed
11/30/2017	\$72.62	
<p>*PLEASE READ THE BACK OF THIS BILL FOR IMPORTANT INFORMATION</p> <p>*DELINQUENT MOTOR VEHICLE TAXES WILL RESULT IN A REGISTRATION BLOCK WITH THE RI DMV AND OLDER BILLS SENT TO A COLLECTION AGENCY</p> <p>*Please include this top portion of the bill with your check</p> <p>*Electronic bank checks MUST have the correct account numbers for each account that is being paid. The check will be returned if the account numbers and amounts being paid do not agree.</p> <p>*State Legislation regarding MOTOR VEHICLE PHASE OUT is reflected in 2017 Motor Vehicle Billing. This reflects a \$1,000 exemption and any vehicle 2002 and older is not taxed.</p>		

^ Detach here ^

PLEASE DETACH AND RETURN TOP PORTION OF BILL WITH YOUR PAYMENT

^ Detach here ^



Check your balance and pay on-line at : www.RIEgov.com
The PIN # to access your account is : KJX-YRD

Account Number F23-17200-04
Notice of Tax Assessed : 12/31/2016

CURRENT TAX BILL				
Description	Land	Building	Valuation	Annual Tax
39-012.0 at 0 OLD RIVER RD	\$49,400		\$49,400	\$72.62
Total:				72.62

PAST DUE TAX BILLS OR CREDITS

Description Original Bill - Adjustments - Payments = Balance Due + Interest = Amount Due

This account has no past due bills.

**MANVILLE FIRE DISTRICT
2017 FIRE DISTRICT TAX BILL**
Taxpayer: **WOONSOCKET CITY OF**

Tax Rate per \$1,000 valuation:

Real : 1.47

Tangible : 1.47

Account Number F23-17200-04

Telephone : (401) 765-4456



REMIT TAX PAYMENT TO:

Manville Fire District
Tax Collector
PO BOX 83
Manville, RI 02838

IF A RECEIPT IS DESIRED, ENCLOSE A STAMPED SELF ADDRESSED ENVELOPE.
PLEASE WRITE YOUR ACCOUNT NUMBER ON YOUR CHECK.

Manville Fire District
http://manvillefire.com



Account Number **F23-17200-10**

Notice of Tax Assessed : **12/31/2015**

Tax Rate per \$1,000 valuation:

Real : **1.47**

Tangible : **1.47**

Telephone : **(401) 765-4456**

**WOONSOCKET CITY OF
 WATER DIVISION
 P O BOX B
 WOONSOCKET RI 02895**

Due Date	Total Due	Amount Enclosed
11/30/2016	\$30.00	
---- PLEASE READ THE BACK OF THIS BILL THERE IS IMPORTANT INFORMATION ---- **** DELINQUENT MOTOR VEHICLE TAXES WILL RESULT IN A RE-REGISTRATION BLOCK ON NOVEMBER 13TH AT THE RI DMV *** @ Please include this top portion of the bill with your check. @ DO NOT STAPLES OR TAPE YOUR CHECK @ DUE DATE IS BEFORE 11/10/15 @ Electronic bank checks MUST have the correct account numbers for each account that is being paid. The check will be returned if the account numbers and amounts being paid do not agree. >>>>Post-dated checks will be returned.<<<<		

^ Detach here ^

PLEASE DETACH AND RETURN TOP PORTION OF BILL WITH YOUR PAYMENT

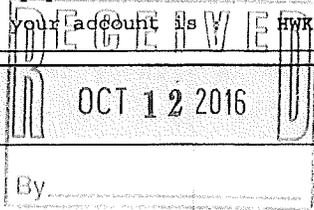
^ Detach here ^



 Check your balance and pay on-line at : www.RIGov.com
 The PIN # to access your account is **HWK-JFY**

Account Number **F23-17200-10**
 Notice of Tax Assessed : **12/31/2015**

CURRENT TAX BILL				
Description	Land	Building	Valuation	Annual Tax
39-009.0 at 0 SAYLES HILL RD	\$300		\$300	\$0.44
Minimum Tax Adj.			\$0	\$29.56
Total:				30.00



PAST DUE TAX BILLS OR CREDITS					
Description	Original Bill	- Adjustments	- Payments	= Balance Due	+ Interest = Amount Due
This account has no past due bills.					

Manville Fire District
http://manvillefire.com
Taxpayer: WOONSOCKET CITY OF



REMIT TAX PAYMENT TO:
 Manville Fire District
 Tax Collector
 PO BOX 83
 Manville, RI 02838

Tax Rate per \$1,000 valuation:

Real : **1.47**

Tangible : **1.47**

Account Number **F23-17200-10**

Telephone : **(401) 765-4456**

IF A RECEIPT IS DESIRED, ENCLOSE A STAMPED SELF ADDRESSED ENVELOPE.
 PLEASE WRITE YOUR ACCOUNT NUMBER ON YOUR CHECK.

Manville Fire District
<http://manvillefire.com>



Account Number **F23-17200-05**

Notice of Tax Assessed : **12/31/2015**

Tax Rate per \$1,000 valuation:

Real : **1.47**
 Tangible : **1.47**

Telephone : **(401) 765-4456**

**WOONSOCKET CITY OF
 WATER DIVISION
 P O BOX B
 WOONSOCKET RI 02895**

Due Date	Total Due	Amount Enclosed
11/30/2016	\$87.61	
---- PLEASE READ THE BACK OF THIS BILL THERE IS IMPORTANT INFORMATION ---- **** DELINQUENT MOTOR VEHICLE TAXES WILL RESULT IN A RE-REGISTRATION BLOCK ON NOVEMBER 13TH AT THE RI DMV *** @ Please include this top portion of the bill with your check. @ DO NOT STAPLES OR TAPE YOUR CHECK @ DUE DATE IS BEFORE 11/10/15 @ Electronic bank checks MUST have the correct account numbers for each account that is being paid. The check will be returned if the account numbers and amounts being paid do not agree. >>>>Post-dated checks will be returned.<<<<		

^ Detach here ^

PLEASE DETACH AND RETURN TOP PORTION OF BILL WITH YOUR PAYMENT

^ Detach here ^



 Check your balance and pay on-line at www.RIeGov.com
 The PIN # to access your account is **1111 1111 1111 1111**

Account Number **F23-17200-05**
 Notice of Tax Assessed : **12/31/2015**

CURRENT TAX BILL				
Description	Land	Building	Valuation	Annual Tax
40-049.0 at 0 SAYLES HILL RD	By	\$59,600	\$59,600	\$87.61
Total:				87.61

PAST DUE TAX BILLS OR CREDITS				
Description	Original Bill	- Adjustments	- Payments	= Balance Due + Interest = Amount Due
This account has no past due bills.				



Manville Fire District
<http://manvillefire.com>
Taxpayer: WOONSOCKET CITY OF

Tax Rate per \$1,000 valuation:

Real : **1.47**
 Tangible : **1.47**

Account Number **F23-17200-05**

Telephone : **(401) 765-4456**

REMIT TAX PAYMENT TO:

Manville Fire District
 Tax Collector
 PO BOX 83
 Manville, RI 02838

IF A RECEIPT IS DESIRED, ENCLOSE A STAMPED SELF ADDRESSED ENVELOPE.
 PLEASE WRITE YOUR ACCOUNT NUMBER ON YOUR CHECK.

Manville Fire District
<http://manvillefire.com>



Account Number **F23-17200-04**

Notice of Tax Assessed : **12/31/2015**

Tax Rate per \$1,000 valuation:

Real : **1.47**

Tangible : **1.47**

Telephone : **(401) 765-4456**

**WOONSOCKET CITY OF
 WATER DIVISION
 P O BOX B
 WOONSOCKET RI 02895**

Due Date	Total Due	Amount Enclosed
11/30/2016	\$72.62	
---- PLEASE READ THE BACK OF THIS BILL THERE IS IMPORTANT INFORMATION ---- **** DELINQUENT MOTOR VEHICLE TAXES WILL RESULT IN A RE-REGISTRATION BLOCK ON NOVEMBER 13TH AT THE RI DMV *** @ Please include this top portion of the bill with your check. @ DO NOT STAPLES OR TAPE YOUR CHECK @ DUE DATE IS BEFORE 11/10/15 @ Electronic bank checks MUST have the correct account numbers for each accout that is being paid. The check will be returned if the account numbers and amounts being paid do not agree. >>>>Post-dated checks will be returned.<<<<		

^ Detach here, ^

PLEASE DETACH AND RETURN TOP PORTION OF BILL WITH YOUR PAYMENT

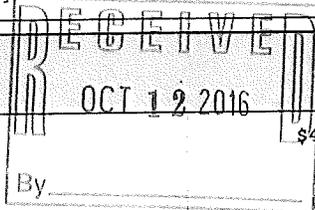
^ Detach here ^



 Check your balance and pay on-line at : www.RIeGov.com
 The PIN # to access your account is : **KJX-YRD**

Account Number **F23-17200-04**
 Notice of Tax Assessed : **12/31/2015**

CURRENT TAX BILL				
Description	Land	Building	Valuation	Annual Tax
39-012.0 at 0 OLD RIVER RD	\$49,400		\$49,400	\$72.62
Total:				72.62



PAST DUE TAX BILLS OR CREDITS				
Description	Original Bill	- Adjustments	- Payments	= Balance Due + Interest = Amount Due
This account has no past due bills.				

Manville Fire District
<http://manvillefire.com>
Taxpayer: WOONSOCKET CITY OF

Tax Rate per \$1,000 valuation:

Real : **1.47**

Tangible : **1.47**

Account Number **F23-17200-04**

Telephone : **(401) 765-4456**



REMIT TAX PAYMENT TO:

Manville Fire District
 Tax Collector
 PO BOX 83
 Manville, RI 02838

IF A RECEIPT IS DESIRED, ENCLOSE A STAMPED SELF ADDRESSED ENVELOPE.
 PLEASE WRITE YOUR ACCOUNT NUMBER ON YOUR CHECK.

Manville Fire District
http://manvillefire.com



Account Number **F23-17200-03**
 Notice of Tax Assessed : **12/31/2015**
 Tax Rate per \$1,000 valuation:
 Real : **1.47**
 Tangible : **1.47**
 Telephone : **(401) 765-4456**

WOONSOCKET CITY OF
WATER DIVISION
P O BOX B
WOONSOCKET RI 02895

Due Date	Total Due	Amount Enclosed
11/30/2016	\$30.00	
---- PLEASE READ THE BACK OF THIS BILL THERE IS IMPORTANT INFORMATION ---- **** DELINQUENT MOTOR VEHICLE TAXES WILL RESULT IN A RE-REGISTRATION BLOCK ON NOVEMBER 13TH AT THE RI DMV *** @ Please include this top portion of the bill with your check. @ DO NOT STAPLES OR TAPE YOUR CHECK @ DUE DATE IS BEFORE 11/10/15 @ Electronic bank checks MUST have the correct account numbers for each accout that is being paid. The check will be returned if the account numbers and amounts being paid do not agree. >>>>Post-dated checks will be returned.<<<<		

^ Detach here.^

PLEASE DETACH AND RETURN TOP PORTION OF BILL WITH YOUR PAYMENT

^ Detach here ^



 Check your balance and pay on-line at : www.RIeGov.com
 The PIN # to access your account is : **XXXX**

Account Number **F23-17200-03**
 Notice of Tax Assessed : **12/31/2015**

CURRENT TAX BILL		OCT 12 2016			
Description	Land	Building	Valuation	Annual Tax	
39-008.0 at 0 SAYLES HILL RD	\$500		\$500	\$0.74	
Minimum Tax Adj.			\$0	\$29.26	
Total:				30.00	

PAST DUE TAX BILLS OR CREDITS					
Description	Original Bill	- Adjustments	- Payments	= Balance Due	+ Interest = Amount Due
This account has no past due bills.					

Manville Fire District
http://manvillefire.com
Taxpayer: WOONSOCKET CITY OF
 Tax Rate per \$1,000 valuation:
 Real : **1.47**
 Tangible : **1.47**
 Account Number **F23-17200-03**
 Telephone : **(401) 765-4456**



REMIT TAX PAYMENT TO:
 Manville Fire District
 Tax Collector
 PO BOX 83
 Manville, RI 02838

IF A RECEIPT IS DESIRED, ENCLOSE A STAMPED SELF ADDRESSED ENVELOPE.
 PLEASE WRITE YOUR ACCOUNT NUMBER ON YOUR CHECK.

Manville Fire District
<http://manvillefire.com>



Account Number **F23-17200-02**
 Notice of Tax Assessed : **12/31/2015**
 Tax Rate per \$1,000 valuation:
 Real : **1.47**
 Tangible : **1.47**
 Telephone : **(401) 765-4456**

WOONSOCKET CITY OF
WATER DIVISION
P O BOX B
WOONSOCKET RI 02895

Due Date	Total Due	Amount Enclosed
11/30/2016	\$105.55	
---- PLEASE READ THE BACK OF THIS BILL THERE IS IMPORTANT INFORMATION ---- **** DELINQUENT MOTOR VEHICLE TAXES WILL RESULT IN A RE-REGISTRATION BLOCK ON NOVEMBER 13TH AT THE RI DMV *** @ Please include this top portion of the bill with your check. @ DO NOT STAPLES OR TAPE YOUR CHECK @ DUE DATE IS BEFORE 11/10/15 @ Electronic bank checks MUST have the correct account numbers for each accout that is being paid. The check will be returned if the account numbers and amounts being paid do not agree. >>>>Post-dated checks will be returned.<<<<		

^ Detach here ^ PLEASE DETACH AND RETURN TOP PORTION OF BILL WITH YOUR PAYMENT ^ Detach here ^

Check your balance and pay on-line at www.RiGov.com
 The PIN # to access your account is : **PLN-HMY**

Account Number **F23-17200-02**
 Notice of Tax Assessed : **12/31/2015**

CURRENT TAX BILL				
Description	Land	Building	Valuation	Annual Tax
39-001.0 at 0 SAYLES HILL RD	\$71,800		\$71,800	\$105.55
Total:				105.55

PAST DUE TAX BILLS OR CREDITS						
Description	Original Bill	-	Adjustments	-	Payments	= Balance Due + Interest = Amount Due
This account has no past due bills.						



Manville Fire District
<http://manvillefire.com>
Taxpayer: WOONSOCKET CITY OF
 Tax Rate per \$1,000 valuation:
 Real : **1.47**
 Tangible : **1.47**
 Account Number **F23-17200-02**
 Telephone : **(401) 765-4456**

REMIT TAX PAYMENT TO:
 Manville Fire District
 Tax Collector
 PO BOX 83
 Manville, RI 02838

IF A RECEIPT IS DESIRED, ENCLOSE A STAMPED SELF ADDRESSED ENVELOPE.
 PLEASE WRITE YOUR ACCOUNT NUMBER ON YOUR CHECK.

Manville Fire District
http://manvillefire.com



Account Number **F23-17200-00**

Notice of Tax Assessed : **12/31/2015**

Tax Rate per \$1,000 valuation:

Real : **1.47**
 Tangible : **1.47**

Telephone : **(401) 765-4456**

WOONSOCKET CITY OF
WATER DIVISION
P.O. BOX B
WOONSOCKET RI 02895

Due Date	Total Due	Amount Enclosed
11/30/2016	\$92.17	

---- PLEASE READ THE BACK OF THIS BILL THERE IS IMPORTANT INFORMATION ----

**** DELINQUENT MOTOR VEHICLE TAXES WILL RESULT IN A RE-REGISTRATION BLOCK ON NOVEMBER 13TH AT THE RI DMV ***

@ Please include this top portion of the bill with your check.

@ DO NOT STAPLES OR TAPE YOUR CHECK
 @ DUE DATE IS BEFORE 11/10/15
 @ Electronic bank checks MUST have the correct account numbers for each account that is being paid. The check will be returned if the account numbers and amounts being paid do not agree.

>>>Post-dated checks will be returned.<<<<

^ Detach here ^

PLEASE DETACH AND RETURN TOP PORTION OF BILL WITH YOUR PAYMENT

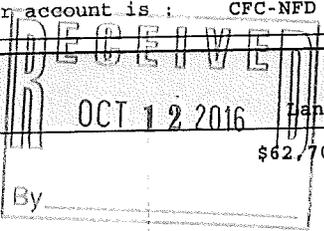
^ Detach here ^



 Check your balance and pay on-line at : www.RIEgov.com
 The PIN # to access your account is : **CFC-NFD**

Account Number **F23-17200-00**
 Notice of Tax Assessed : **12/31/2015**

CURRENT TAX BILL				
Description	Land	Building	Valuation	Annual Tax
39-019.0 at 0 OLD RIVER RD	\$62,700		\$62,700	\$92.17
Total:				92.17



PAST DUE TAX BILLS OR CREDITS				
Description	Original Bill	- Adjustments	- Payments	= Balance Due + Interest = Amount Due
This account has no past due bills.				

Manville Fire District
http://manvillefire.com
Taxpayer: WOONSOCKET CITY OF

Tax Rate per \$1,000 valuation:
 Real : **1.47**
 Tangible : **1.47**

Account Number **F23-17200-00**
 Telephone : **(401) 765-4456**



REMIT TAX PAYMENT TO:
 Manville Fire District
 Tax Collector
 PO BOX 83
 Manville, RI 02838

IF A RECEIPT IS DESIRED, ENCLOSE A STAMPED SELF ADDRESSED ENVELOPE.
 PLEASE WRITE YOUR ACCOUNT NUMBER ON YOUR CHECK.

Remit Tax Payment with Stub to:
TOWN OF NORTH SMITHFIELD
PO BOX 844606
BOSTON MA 02284-4606

State Aid:
Total estimated amount of state aid
\$8,760,724
tax rate reduced by \$ 4.427

Tax Rate:	Real	Motor	Tangible	Comm
School	10.237	22.343	0.000	11.358
Municipal	7.000	15.277	0.000	7.767
Tax Rate	17.237	37.620	42.999	19.125



WOONSOCKET CITY OF
WATER DIVISION
PO BOX B
WOONSOCKET RI 02895-0985

1632 T:005 B:09

Credit/Debit Card Payment
Please Call 1-855-722-6149 w/acct. #
Payment is due on or before due date. If a receipt is
desired, enclose a self-addressed stamped envelope.
Drop box is located at 575 Smithfield Rd. 24 hrs a
day. Vehicle Tax bills reflect days registered in 2017
Checks payable to "Town of North Smithfield"



Balance and pay on-line at : www.RIeGov.com

Your Account number is : 23-0380-01

PIN # to access your account: GKW-WMM

Description	Value	Tax
WOONSOCKET CITY HALL - Tangible Property	\$1,326,050	\$57,018.82
Total Tax Bill		\$57,018.82

PAST DUE TAX BILLS

Description Original Bill - Adjustments - Payments = Balance Due + Interest = Amount Due

This account has no past due bills.

23-0380-01 WOONSOCKET CITY OF **3**

Payment Due Date: 01/15/2019

3rd Quarterly Payment: \$14,254.70

0000002303800103102010820014254701

23-0380-01 WOONSOCKET CITY OF **4**

Payment Due Date: 04/15/2019

4th Quarterly Payment: \$14,254.70

0000002303800103102010820014254701

23-0380-01 WOONSOCKET CITY OF **1**

Payment Due Date: 08/15/2018

1st Quarterly Payment: \$14,254.72

Annual Tax: \$57,018.82

0000002303800103102010820014254723

23-0380-01 WOONSOCKET CITY OF **2**

Payment Due Date: 10/15/2018

2nd Quarterly Payment: \$14,254.70

0000002303800103102010820014254701

Remit Tax Payment with Stub to:
TOWN OF NORTH SMITHFIELD
PO BOX 844606
BOSTON MA 02284-4606

State Aid:
Total estimated amount of state aid
\$8,760,724
tax rate reduced by \$ 4.427

Tax Rate:	Real	Motor	Tangible	Comm
School	10.237	22.343	0.000	11.358
Municipal	7.000	15.277	0.000	7.767
Tax Rate	17.237	37.620	42.999	19.125



WOONSOCKET CITY OF
PO BOX B
WOONSOCKET RI 02895-0985

1631 T:005 B:09

Credit/Debit Card Payment
Please Call 1-855-722-6149 w/acct. #
Payment is due on or before due date. If a receipt is
desired, enclose a self-addressed stamped envelope.
Drop box is located at 575 Smithfield Rd. 24 hrs a
day. Vehicle Tax bills reflect days registered in 2017
Checks payable to "Town of North Smithfield"



Balance and pay on-line at : www.R1eGov.com
Your Account number is : 23-0380-00
PIN # to access your account: RMH-VXR

Description	Value	Tax
013-046 at OFF EDDIE DOWLING HWY	\$2,630	\$45.33
013-047 at 0 MANVILLE RD	\$317,670	\$6,075.44
013-048 at 0 MANVILLE RD	\$3,240	\$55.85
013-168 at 0 SMITHFIELD RD	\$42,190	\$727.23
013-170 at 0 OLD SMITHFIELD RD	\$25,380	\$437.48
016-022 at OFF IRON MINE HILL RD	\$63,000	\$1,085.93
016-024 at OFF IRON MINE HILL RD	\$18,000	\$310.27
016-025 at OFF IRON MINE HILL RD	\$23,400	\$403.35

Continued on next page....

PAST DUE TAX BILLS											
Description	Original Bill	-	Adjustments	-	Payments	=	Balance Due	+	Interest	=	Amount Due
This account has no past due bills.											

23-0380-00 WOONSOCKET CITY OF **3**

Payment Due Date: 01/15/2019

3rd Quarterly Payment: \$15,042.97

0000002303800003101010890015042978

23-0380-00 WOONSOCKET CITY OF **4**

Payment Due Date: 04/15/2019

4th Quarterly Payment: \$15,042.97

0000002303800003101010890015042978

23-0380-00 WOONSOCKET CITY OF **1**

Payment Due Date: 08/15/2018

1st Quarterly Payment: \$15,043.00

Annual Tax: \$60,171.91

0000002303800003101010890015043003

23-0380-00 WOONSOCKET CITY OF **2**

Payment Due Date: 10/15/2018

2nd Quarterly Payment: \$15,042.97

0000002303800003101010890015042978

Remit Tax Payment with Stub to:
TOWN OF NORTH SMITHFIELD
PO BOX 844606
BOSTON MA 02284-4606

State Aid:
Total estimated amount of state aid
\$8,760,724
tax rate reduced by \$ 4.427

Tax Rate:	Real	Motor	Tangible	Comm
School	10.237	22.343	0.000	11.358
Municipal	7.000	15.277	0.000	7.767
Tax Rate	17.237	37.620	42.999	19.125



WOONSOCKET CITY OF
PO BOX B
WOONSOCKET RI 02895-0985

1631 T:005 B:09

Credit/Debit Card Payment
Please Call 1-855-722-6149 w/acct. #
Payment is due on or before due date. If a receipt is
desired, enclose a self-addressed stamped envelope.
Drop box is located at 575 Smithfield Rd. 24 hrs a
day. Vehicle Tax bills reflect days registered in 2017
Checks payable to "Town of North Smithfield"



Balance and pay on-line at : www.RIeGov.com

Your Account number is : 23-0380-00

PIN # to access your account: RMH-VXR

Description	Value	Tax
016-026 at OFF IRON MINE HILL RD	\$3,480	\$59.98
017-032 at 0 SAYLES HILL RD	\$6,540	\$112.73
017-033 at 0 OLD SMITHFIELD RD	\$110	\$1.90
017-034 at 0 OLD SMITHFIELD RD	\$7,200	\$124.11
017-035 at 0 SAYLES HILL RD	\$9,580	\$165.13
017-037 at 0 OLD SMITHFIELD RD	\$3,230	\$55.68
017-047 at 0 IRON MINE HILL RD	\$281,380	\$4,850.15
017-064 at 0 EDDIE DOWLING HWY	\$10,800	\$186.16

Continued on next page....

PAST DUE TAX BILLS											
Description	Original Bill	-	Adjustments	-	Payments	=	Balance Due	+	Interest	=	Amount Due
This account has no past due bills.											

3



Payment Due Date:

3rd Quarterly Payment:

00000023038000003101010890015042978

4



Payment Due Date:

4th Quarterly Payment:

00000023038000003101010890015042978

1

23-0380-00

WOONSOCKET CITY OF



Payment Due Date:

08/15/2018

1st Quarterly Payment:

Annual Tax:

00000023038000003101010890015043003

2

23-0380-00

WOONSOCKET CITY OF



Payment Due Date:

2nd Quarterly Payment:

00000023038000003101010890015042978

Remit Tax Payment with Stub to:
TOWN OF NORTH SMITHFIELD
PO BOX 844606
BOSTON MA 02284-4606

State Aid:
Total estimated amount of state aid
\$8,760,724
tax rate reduced by \$ 4.427

Tax Rate:	Real	Motor	Tangible	Comm
School	10.237	22.343	0.000	11.358
Municipal	7.000	15.277	0.000	7.767
Tax Rate	17.237	37.620	42.999	19.125



WOONSOCKET CITY OF
PO BOX B
WOONSOCKET RI 02895-0985

1631 T.005 B:09

Credit/Debit Card Payment
Please Call 1-855-722-6149 w/acct. #
Payment is due on or before due date. If a receipt is
desired, enclose a self-addressed stamped envelope.
Drop box is located at 575 Smithfield Rd. 24 hrs a
day. Vehicle Tax bills reflect days registered in 2017
Checks payable to "Town of North Smithfield"



Balance and pay on-line at : www.RIEgov.com

Your Account number is : 23-0380-00

PIN # to access your account: RMH-VXR

Description	Value	Tax
017-067 at 0 SMITHFIELD RD	\$23,520	\$405.41
017-068 at 0 SMITHFIELD RD	\$16,670	\$287.34
017-069 at OFF IRON MINE HILL RD	\$29,700	\$511.94
017-165 at OFF EDDIE DOWLING HWY	\$1,640	\$28.27
017-263 at 0 SAYLES HILL RD	\$430	\$7.41
017-267 at 0 EDDIE DOWLING HWY	\$760	\$13.10
017-281 at 0 SMITHFIELD RD	\$18,320	\$315.78
017-282 at 0 OLD SMITHFIELD RD	\$15,840	\$273.03

Continued on next page....

PAST DUE TAX BILLS

Description Original Bill - Adjustments - Payments = Balance Due + Interest = Amount Due

This account has no past due bills.

3



Payment Due Date:

3rd Quarterly Payment:

0000002303800003101010890015042978

4



Payment Due Date:

4th Quarterly Payment:

0000002303800003101010890015042978

1

23-0380-00 WOONSOCKET CITY OF



Payment Due Date:

08/15/2018

1st Quarterly Payment:

Annual Tax:

0000002303800003101010890015043003

2

23-0380-00 WOONSOCKET CITY OF



Payment Due Date:

2nd Quarterly Payment:

0000002303800003101010890015042978

Remit Tax Payment with Stub to:
TOWN OF NORTH SMITHFIELD
PO BOX 844606
BOSTON MA 02284-4606

State Aid:
Total estimated amount of state aid
\$8,760,724
tax rate reduced by \$ 4.427

Tax Rate:	Real	Motor	Tangible	Comm
School	10.237	22.343	0.000	11.358
Municipal	7.000	15.277	0.000	7.767
Tax Rate	17.237	37.620	42.999	19.125



WOONSOCKET CITY OF
PO BOX B
WOONSOCKET RI 02895-0985

1631 T:005 B:09

Credit/Debit Card Payment
Please Call 1-855-722-6149 w/acct. #
Payment is due on or before due date. If a receipt is
desired, enclose a self-addressed stamped envelope.
Drop box is located at 575 Smithfield Rd. 24 hrs a
day. Vehicle Tax bills reflect days registered in 2017
Checks payable to "Town of North Smithfield"



Balance and pay on-line at : www.RIeGov.com

Your Account number is : 23-0380-00

PIN # to access your account: RMH-VXR

Description	Value	Tax
017-294 at 0 OLD SAYLES HILL RD	\$1,260	\$21.72
020-017 at 0 ROCKY HILL RD	\$27,720	\$477.81
020-018 at 0 ROCKY HILL RD	\$30,100	\$518.83
020-032 at OFF ROCKY HILL RD	\$81,000	\$1,396.20
020-033 at OFF ROCKY HILL RD	\$14,400	\$248.21
020-034 at OFF ROCKY HILL RD	\$45,720	\$788.08
021-001-2 at 101 RESERVOIR RD	\$1,793,100	\$34,293.04
021-011 at 0 RESERVOIR RD	\$4,000	\$68.95

Continued on next page....

PAST DUE TAX BILLS

Description Original Bill - Adjustments - Payments = Balance Due + Interest = Amount Due

This account has no past due bills.

3



Payment Due Date:

3rd Quarterly Payment:

00000023038000003101010890015042978

4



Payment Due Date:

4th Quarterly Payment:

00000023038000003101010890015042978

23-0380-00

WOONSOCKET CITY OF

1



Payment Due Date:

08/15/2018

1st Quarterly Payment:

Annual Tax:

00000023038000003101010890015043003

23-0380-00

WOONSOCKET CITY OF

2



Payment Due Date:

2nd Quarterly Payment:

00000023038000003101010890015042978

Remit Tax Payment with Stub to:
TOWN OF NORTH SMITHFIELD
PO BOX 844606
BOSTON MA 02284-4606

State Aid:
Total estimated amount of state aid
\$8,760,724
tax rate reduced by \$ 4.427

Tax Rate:	Real	Motor	Tangible	Comm
School	10.237	22.343	0.000	11.358
Municipal	7.000	15.277	0.000	7.767
Tax Rate	17.237	37.620	42.999	19.125



WOONSOCKET CITY OF
PO BOX B
WOONSOCKET RI 02895-0985

1631 T:005 B:09

Credit/Debit Card Payment
Please Call 1-855-722-6149 w/acct. #
Payment is due on or before due date. If a receipt is
desired, enclose a self-addressed stamped envelope.
Drop box is located at 575 Smithfield Rd. 24 hrs a
day. Vehicle Tax bills reflect days registered in 2017
Checks payable to "Town of North Smithfield"



Balance and pay on-line at : www.RIeGov.com

Your Account number is : 23-0380-00

PIN # to access your account: RMH-VXR

Description	Value	Tax
021-014 at 0 RESERVOIR RD	\$1,510	\$26.03
021-015 at 0 RESERVOIR RD	\$323,140	\$5,569.96
021-069 at 0 RESERVOIR RD	\$13,000	\$224.08
Total Tax Bill		\$60,171.91

PAST DUE TAX BILLS

Description Original Bill - Adjustments - Payments = Balance Due + Interest = Amount Due

This account has no past due bills.

3



Payment Due Date:

3rd Quarterly Payment:

0000002303800003101010890015042978

4



Payment Due Date:

4th Quarterly Payment:

0000002303800003101010890015042978

1

23-0380-00

WOONSOCKET CITY OF



Payment Due Date:

08/15/2018

1st Quarterly Payment:

Annual Tax:

0000002303800003101010890015043003

2

23-0380-00

WOONSOCKET CITY OF



Payment Due Date:

2nd Quarterly Payment:

0000002303800003101010890015042978

Remit Tax Payment with Stub to:
TOWN OF NORTH SMITHFIELD
PO BOX 844606
BOSTON MA 02284-4606

State Aid:
Total estimated amount of state aid
\$8,760,724
tax rate reduced by \$ 4.427

Tax Rate:	Real	Motor	Tangible	Comm
School	10.237	22.343	0.000	11.358
Municipal	7.000	15.277	0.000	7.767
Tax Rate	17.237	37.620	42.999	19.125



WOONSOCKET CITY OF
PO BOX B
169 MAIN STREET
WOONSOCKET RI 02895-4330

1687 T:005 B:09

Credit/Debit Card Payment
Please Call 1-855-722-6149 w/acct. #
Payment is due on or before due date. If a receipt is
desired, enclose a self-addressed stamped envelope.
Drop box is located at 575 Smithfield Rd. 24 hrs a
day. Vehicle Tax bills reflect days registered in 2017
Checks payable to "Town of North Smithfield"



Balance and pay on-line at : www.RIeGov.com

Your Account number is : 03-0741-45

PIN # to access your account: HFN-QNP

Description	Value	Tax
020-029 at 0 ROCKY HILL RD	\$21,670	\$373.53
Total Tax Bill		\$373.53

PAST DUE TAX BILLS

Description Original Bill - Adjustments - Payments = Balance Due + Interest = Amount Due

This account has no past due bills.

03-0741-45 WOONSOCKET CITY OF **3**

Payment Due Date: 01/15/2019

3rd Quarterly Payment: \$93.38

0000000307414503101010890000093386

03-0741-45 WOONSOCKET CITY OF **4**

Payment Due Date: 04/15/2019

4th Quarterly Payment: \$93.38

0000000307414503101010890000093386

03-0741-45 WOONSOCKET CITY OF **1**

Payment Due Date: 08/15/2018

1st Quarterly Payment: \$93.39

Annual Tax: \$373.53

0000000307414503101010890000093397

03-0741-45 WOONSOCKET CITY OF **2**

Payment Due Date: 10/15/2018

2nd Quarterly Payment: \$93.38

0000000307414503101010890000093386

Remit Tax Payment with Stub to:
TOWN OF NORTH SMITHFIELD
PO BOX 844606
BOSTON MA 02284-4606

State Aid:
Total estimated amount of state aid
\$8,760,724
tax rate reduced by \$ 4.427

Tax Rate:	Real	Motor	Tangible	Comm
School	10.237	22.343	0.000	11.358
Municipal	7.000	15.277	0.000	7.767
Tax Rate	17.237	37.620	42.999	19.125



WOONSOCKET CITY OF
WATER DIVISION
PO BOX B
WOONSOCKET RI 02895-0985

1633 T:005 B:09

Credit/Debit Card Payment
Please Call 1-855-722-6149 w/acct. #
Payment is due on or before due date. If a receipt is
desired, enclose a self-addressed stamped envelope.
Drop box is located at 575 Smithfield Rd. 24 hrs a
day. Vehicle Tax bills reflect days registered in 2017
Checks payable to "Town of North Smithfield"



Balance and pay on-line at : www.RIEgov.com

Your Account number is : **23-0367-50**

PIN # to access your account: **RQC-DLK**

Description	Value	Tax
016-083 at 0-(REA IRON MINE HILL RD	\$65,630	\$1,131.26
Total Tax Bill		\$1,131.26

PAST DUE TAX BILLS

Description Original Bill - Adjustments - Payments = Balance Due + Interest = Amount Due

This account has no past due bills.

23-0367-50 Woonsocket City of **3**

Payment Due Date: 01/15/2019

3rd Quarterly Payment: \$282.81

0000002303675003101010870000282819

23-0367-50 Woonsocket City of **4**

Payment Due Date: 04/15/2019

4th Quarterly Payment: \$282.81

0000002303675003101010870000282819

23-0367-50 Woonsocket City of **1**

Payment Due Date: 08/15/2018

1st Quarterly Payment: \$282.83

Annual Tax: \$1,131.26

0000002303675003101010870000282831

23-0367-50 Woonsocket City of **2**

Payment Due Date: 10/15/2018

2nd Quarterly Payment: \$282.81

0000002303675003101010870000282819

Remit Tax Payment with Stub to:

TOWN OF NORTH SMITHFIELD
 PO BOX 844606
 BOSTON MA 02284-4606

State Aid:

Total estimated amount of state aid
 \$7,669,236
 tax rate reduced by \$3.07

Tax Rate:	Real	Motor	
School	9.850	22.040	0.
Municipal	6.965	15.580	0.000
Tax Rate	16.815	37.620	41.951



WOONSOCKET CITY OF
 WATER DIVISION
 PO BOX B
 WOONSOCKET RI 02895-0985

514 T-003 B:03



Credit/Debit Card Payment
 Please Call 1-855-722-6149 w/acct. #
 Payment is due on or before due date. If a receipt is
 desired, enclose a self-addressed stamped envelope.
 Drop box is located at 575 Smithfield Rd. 24 hrs a
 day. Vehicle Tax bills reflect days registered in 2016
 Checks payable to "Town of North Smithfield"

Balance and pay on-line at : www.RIGov.com
 Your Account number is : 23-0380-01
 PIN # to access your account: GKW-WMM

Description	Value	Tax
WOONSOCKET CITY HALL - Tangible Property	\$1,326,050	\$55,629.12

PAST DUE TAX BILLS	Original Bill	Adjustments	Payments	=	Balance Due	+	Interest	=	Amount Due
									\$55,629.12

This account has no past due bills.

Remit Tax Payment with Stub to: State Aid: Total estimated amount of state aid \$7,669,236 tax rate reduced by \$3.07

TOWN OF NORTH SMITHFIELD
 PO BOX 844606
 BOSTON MA 02284-4606

513 T:003 B:03
 WOONSOCKET CITY OF
 WATER DIVISION
 PO BOX B
 WOONSOCKET RI 02895-0985

513 T:003 B:03
 WOONSOCKET CITY OF
 WATER DIVISION
 PO BOX B
 WOONSOCKET RI 02895-0985

513 T:003 B:03
 WOONSOCKET CITY OF
 WATER DIVISION
 PO BOX B
 WOONSOCKET RI 02895-0985

513 T:003 B:03
 WOONSOCKET CITY OF
 WATER DIVISION
 PO BOX B
 WOONSOCKET RI 02895-0985

513 T:003 B:03
 WOONSOCKET CITY OF
 WATER DIVISION
 PO BOX B
 WOONSOCKET RI 02895-0985

513 T:003 B:03
 WOONSOCKET CITY OF
 WATER DIVISION
 PO BOX B
 WOONSOCKET RI 02895-0985

513 T:003 B:03
 WOONSOCKET CITY OF
 WATER DIVISION
 PO BOX B
 WOONSOCKET RI 02895-0985

513 T:003 B:03
 WOONSOCKET CITY OF
 WATER DIVISION
 PO BOX B
 WOONSOCKET RI 02895-0985

513 T:003 B:03
 WOONSOCKET CITY OF
 WATER DIVISION
 PO BOX B
 WOONSOCKET RI 02895-0985

513 T:003 B:03
 WOONSOCKET CITY OF
 WATER DIVISION
 PO BOX B
 WOONSOCKET RI 02895-0985

513 T:003 B:03
 WOONSOCKET CITY OF
 WATER DIVISION
 PO BOX B
 WOONSOCKET RI 02895-0985

513 T:003 B:03
 WOONSOCKET CITY OF
 WATER DIVISION
 PO BOX B
 WOONSOCKET RI 02895-0985

513 T:003 B:03
 WOONSOCKET CITY OF
 WATER DIVISION
 PO BOX B
 WOONSOCKET RI 02895-0985

513 T:003 B:03
 WOONSOCKET CITY OF
 WATER DIVISION
 PO BOX B
 WOONSOCKET RI 02895-0985

513 T:003 B:03
 WOONSOCKET CITY OF
 WATER DIVISION
 PO BOX B
 WOONSOCKET RI 02895-0985

513 T:003 B:03
 WOONSOCKET CITY OF
 WATER DIVISION
 PO BOX B
 WOONSOCKET RI 02895-0985

513 T:003 B:03
 WOONSOCKET CITY OF
 WATER DIVISION
 PO BOX B
 WOONSOCKET RI 02895-0985

513 T:003 B:03
 WOONSOCKET CITY OF
 WATER DIVISION
 PO BOX B
 WOONSOCKET RI 02895-0985

513 T:003 B:03
 WOONSOCKET CITY OF
 WATER DIVISION
 PO BOX B
 WOONSOCKET RI 02895-0985

513 T:003 B:03
 WOONSOCKET CITY OF
 WATER DIVISION
 PO BOX B
 WOONSOCKET RI 02895-0985

513 T:003 B:03
 WOONSOCKET CITY OF
 WATER DIVISION
 PO BOX B
 WOONSOCKET RI 02895-0985

513 T:003 B:03
 WOONSOCKET CITY OF
 WATER DIVISION
 PO BOX B
 WOONSOCKET RI 02895-0985

513 T:003 B:03
 WOONSOCKET CITY OF
 WATER DIVISION
 PO BOX B
 WOONSOCKET RI 02895-0985

513 T:003 B:03
 WOONSOCKET CITY OF
 WATER DIVISION
 PO BOX B
 WOONSOCKET RI 02895-0985

513 T:003 B:03
 WOONSOCKET CITY OF
 WATER DIVISION
 PO BOX B
 WOONSOCKET RI 02895-0985

513 T:003 B:03
 WOONSOCKET CITY OF
 WATER DIVISION
 PO BOX B
 WOONSOCKET RI 02895-0985

513 T:003 B:03
 WOONSOCKET CITY OF
 WATER DIVISION
 PO BOX B
 WOONSOCKET RI 02895-0985

Tax Rate:	Real	Motor	Tangible	Comm
School	9.850	22.040	0.000	10.930
Municipal	6.965	15.580	0.000	7.728
Tax Rate	16.815	37.620	41.951	18.658

Credit/Debit Card Payment

Please Call 1-855-722-6149 w/acct. #
 Payment is due on or before due date. If a receipt is desired, enclose a self-addressed stamped envelope. Drop box is located at 575 Smithfield Rd. 24 hrs a day. Vehicle Tax bills reflect days registered in 2016. Checks payable to "Town of North Smithfield"



Balance and pay on-line at : www.RIEgov.com
 Your Account number is : **23-0380-00**
 PIN # to access your account: **RMH-VXR**

Description	Value	Tax
013-046 at OFF EDDIE DOWLING HWY	\$2,630	\$44.22
013-048 at 0 MANVILLE RD	\$3,240	\$54.48
013-170 at 0 OLD SMITHFIELD RD	\$25,380	\$426.76
016-022 at OFF IRON MINE HILL RD	\$63,000	\$1,059.35
016-024 at OFF IRON MINE HILL RD	\$18,000	\$302.67
016-025 at OFF IRON MINE HILL RD	\$67,500	\$1,135.01
016-026 at OFF IRON MINE HILL RD	\$5,560	\$93.49
017-032 at 0 SAYLES HILL RD	\$6,540	\$109.97

Continued on next page....

PAST DUE TAX BILLS						
Description	Original Bill	Adjustments	Payments	Balance Due	Interest	Amount Due
This account has no past due bills.						

Account Number 23-0380-00

2017 NORTH SMITHFIELD

Assessed 12/31/2016

Remit Tax Payment with Stub to:
 TOWN OF NORTH SMITHFIELD
 PO BOX 844606
 BOSTON MA 02284-4606

State Aid:
 Total estimated amount of state aid \$7,669,236
 tax rate reduced by \$3.07

Tax Rate:	Real	Motor	Tangible	Comm
School	9.850	22.040	0.000	10.930
Municipal	6.965	15.580	0.000	7.728
Tax Rate	16.815	37.620	41.951	18.658

513 T-003 8-03
 WOONSOCKET CITY OF
 WATER DIVISION
 PO BOX B
 WOONSOCKET RI 02895-0985

Credit/Debit Card Payment
 Please Call 1-855-722-6149 w/acct. #
 Payment is due on or before due date. If a receipt is desired, enclose a self-addressed stamped envelope. Drop box is located at 575 Smithfield Rd. 24 hrs a day. Vehicle Tax bills reflect days registered in 2016. Checks payable to "Town of North Smithfield"



Balance and pay on-line at: www.RIEgov.com
 Your Account number is: 23-0380-00
 PIN # to access your account: RMH-VXR

Description	Value	Tax
017-033 at 0 OLD SMITHFIELD RD	\$110	\$1.85
017-037 at 0 OLD SMITHFIELD RD	\$3,230	\$54.31
017-064 at 0 EDDIE DOWLING HWY	\$10,800	\$181.60
017-067 at 0 SMITHFIELD RD	\$23,520	\$395.49
017-069 at OFF IRON MINE HILL RD	\$29,700	\$499.41
017-165 at OFF EDDIE DOWLING HWY	\$1,640	\$27.58
017-263 at 0 SAYLES HILL RD	\$430	\$7.23
017-267 at 0 EDDIE DOWLING HWY	\$760	\$12.78

Continued on next page....

PAST DUE TAX BILLS	Original Bill	-	Adjustments	-	Payments	=	Balance Due	+	Interest	=	Amount Due
--------------------	---------------	---	-------------	---	----------	---	-------------	---	----------	---	------------

This account has no past due bills.

Remit Tax Payment with Stub to: State Aid: Total estimated amount of state aid \$7,669,236
 TOWN OF NORTH SMITHFIELD PO BOX 844606 tax rate reduced by \$3.07
 BOSTON MA 02284-4606

Tax Rate:	Real	Motor	Tangible	Comm
School	9.850	22.040	0.000	10.930
Municipal	6.965	15.580	0.000	7.728
Tax Rate	16.815	37.620	41.951	18.658

WOONSOCKET CITY OF
 WATER DIVISION
 PO BOX B
 WOONSOCKET RI 02895-0985
 513 T:003 B:03



Credit/Debit Card Payment
 Please Call 1-855-722-6149 w/acct. #
 Payment is due on or before due date. If a receipt is desired, enclose a self-addressed stamped envelope.
 Drop box is located at 575 Smithfield Rd. 24 hrs a day. Vehicle Tax bills reflect days registered in 2016
 Checks payable to "Town of North Smithfield"

Balance and pay on-line at: www.RieGov.com
 Your Account number is: **23-0380-00**
 PIN # to access your account: **RMH-VXR**

Description	Value	Tax
017-281 at 0 SMITHFIELD RD	\$18,320	\$308.05
017-282 at 0 OLD SMITHFIELD RD	\$15,840	\$266.35
017-294 at 0 OLD SAYLES HILL RD	\$1,260	\$21.19
020-017 at 0 ROCKY HILL RD	\$27,720	\$466.11
020-018 at 0 ROCKY HILL RD	\$30,100	\$506.13
020-032 at OFF ROCKY HILL RD	\$81,000	\$1,362.02
020-033 at OFF ROCKY HILL RD	\$100,800	\$1,694.95
020-034 at OFF ROCKY HILL RD	\$67,500	\$1,135.01

Continued on next page....

PAST DUE TAX BILLS	Original Bill	- Adjustments	- Payments	= Balance Due	+ Interest	= Amount Due
Description						

This account has no past due bills.

Remit Tax Payment with Stub to: State Aid:
 TOWN OF NORTH SMITHFIELD Total estimated amount of state aid
 PO BOX 844606 \$7,669,236
 BOSTON MA 02284-4606 tax rate reduced by \$3.07

Tax Rate:	Real	Motor	Tangible	Comm
School	9.850	22.040	0.000	10.930
Municipal	6.965	15.580	0.000	7.728
Tax Rate	16.815	37.620	41.951	18.658

513 T:003 B:03
 WOONSOCKET CITY OF
 WATER DIVISION
 PO BOX B
 WOONSOCKET RI 02895-0985



Credit/Debit Card Payment
 Please Call 1-855-722-6149 w/acct. #
 Payment is due on or before due date. If a receipt is
 desired, enclose a self-addressed stamped envelope.
 Drop box is located at 575 Smithfield Rd. 24 hrs a
 day. Vehicle Tax bills reflect days registered in 2016
 Checks payable to "Town of North Smithfield"

Balance and pay on-line at : www.RIEgov.com
 Your Account number is : **23-0380-00**
 PIN # to access your account: **RMH-VXR**

Description	Value	Tax
021-001-2 at 101 RESERVOIR RD	\$1,793,100	\$33,455.66
021-014 at 0 RESERVOIR RD	\$1,510	\$25.39
021-015 at 0 RESERVOIR RD	\$323,140	\$5,433.60
021-069 at 0 RESERVOIR RD	\$16,200	\$272.40
013-168 at 0 SMITHFIELD RD	\$42,190	\$709.42
017-034 at 0 OLD SMITHFIELD RD	\$7,200	\$121.07
017-035 at 0 SAYLES HILL RD	\$9,580	\$161.09
021-011 at 0 RESERVOIR RD	\$4,000	\$67.26

Continued on next page....

PAST DUE TAX BILLS	Original Bill	-	Adjustments	-	Payments	=	Balance Due	+	Interest	=	Amount Due
--------------------	---------------	---	-------------	---	----------	---	-------------	---	----------	---	------------

This account has no past due bills.

Account Number 23-0380-00

2017 NORTH SMITHFIELD

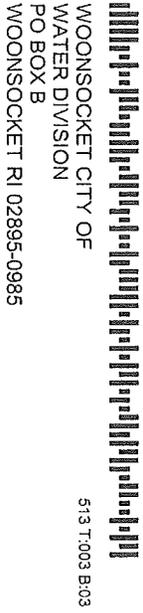
Assessed 12/31/2016

Remit Tax Payment with Stub to:
TOWN OF NORTH SMITHFIELD
PO BOX 844606
BOSTON MA 02284-4606

State Aid:
Total estimated amount of state aid
\$7,669,236
tax rate reduced by \$3.07

Tax Rate:	Real	Motor	Tangible	Comm
School	9.850	22.040	0.000	10.930
Municipal	6.965	15.580	0.000	7.728
Tax Rate	16.815	37.620	41.951	18.658

Page 5 of 5



WOONSOCKET CITY OF
WATER DIVISION
PO BOX B
WOONSOCKET RI 02895-0985

Credit/Debit Card Payment
Please Call 1-855-722-6149 w/acct. #
Payment is due on or before due date. If a receipt is
desired, enclose a self-addressed stamped envelope.
Drop box is located at 575 Smithfield Rd. 24 hrs a
day. Vehicle Tax bills reflect days registered in 2016
Checks payable to "Town of North Smithfield"



Balance and pay on-line at: www.RIEgov.com
Your Account number is: 23-0380-00
PIN # to access your account: RMH-VXR

Description	Value	Tax
017-068 at 0 SMITHFIELD RD	\$16,670	\$280.31
013-047 at 0 MANVILLE RD	\$317,670	\$5,927.09
017-047 at 0 IRON MINE HILL RD	\$281,380	\$4,731.40

Total Tax Bill \$61,350.70

PAST DUE TAX BILLS	Original Bill	- Adjustments	- Payments	= Balance Due	+ Interest	= Amount Due
--------------------	---------------	---------------	------------	---------------	------------	--------------

This account has no past due bills.

Remit Tax Payment with Stub to: State Aid:
 TOWN OF NORTH SMITHFIELD Total estimated amount of state aid
 PO BOX 844606 \$7,669,236
 BOSTON MA 02284-4606 tax rate reduced by \$3.07

Tax Rate:	Real	Motor	Tangible	Comm
School	9.850	22.040	0.000	10.930
Municipal	6.965	15.580	0.000	7.728
Tax Rate	16.815	37.620	41.951	18.658

WOONSOCKET CITY OF
 P O BOX B
 169 MAIN STREET
 WOONSOCKET RI 02895-4330

543 T-003 803



Credit/Debit Card Payment
 Please Call 1-855-722-6149 w/acct. #
 Payment is due on or before due date. If a receipt is
 desired, enclose a self-addressed stamped envelope.
 Drop box is located at 575 Smithfield Rd. 24 hrs a
 day. Vehicle Tax bills reflect days registered in 2016
 Checks payable to "Town of North Smithfield"

Balance and pay on-line at : www.RIEgov.com
 Your Account number is : **03-0741-45**
 PIN # to access your account: **HFN-QNP**

Description	Value	Tax
020-029 at 0 ROCKY HILL RD	\$21,670	\$364.38

Total Tax Bill \$364.38

PAST DUE TAX BILLS	Original Bill	- Adjustments	- Payments	= Balance Due	+ Interest	= Amount Due

This account has no past due bills.

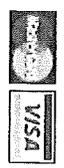
Remit Tax Payment with Stub to: State Aid: Total estimated amount of state aid \$7,669,236
 TOWN OF NORTH SMITHFIELD PO BOX 844606 tax rate reduced by \$3.07
 BOSTON MA 02284-4606

Tax Rate:	Real	Motor	Tangible	Comm
School	9.850	22.040	0.000	10.930
Municipal	6.965	15.580	0.000	7.728
Tax Rate	16.815	37.620	41.951	18.658

WOONSOCKET CITY OF
 WATER DIVISION
 PO BOX B
 WOONSOCKET RI 02895-0985

515 T:003 B:03

Credit/Debit Card Payment
 Please Call 1-855-722-6149 w/acct. #
 Payment is due on or before due date. If a receipt is desired, enclose a self-addressed stamped envelope.
 Drop box is located at 575 Smithfield Rd. 24 hrs a day. Vehicle Tax bills reflect days registered in 2016
 Checks payable to "Town of North Smithfield"



Balance and pay on-line at : www.RIeGov.com
 Your Account number is : **23-0367-50**
 PIN # to access your account: **RQC-DLK**

Description	Value	Tax
016-083 at 0-(REAR IRON MINE HILL RD	\$65,630	\$1,103.57

PAST DUE TAX BILLS			
Description	Original Bill	Adjustments - Payments	Balance Due + Interest = Amount Due
			Total Tax Bill \$1,103.57

This account has no past due bills.

Remit Tax Payment with Stub to:
TOWN OF NORTH SMITHFIELD
PO BOX 844606
BOSTON MA 02284-4606

State Aid:
Total estimated amount of state aid
\$7,578,096
tax rate reduced by \$2.92

Tax Rate:	Real	Motor	Tangible	Comm
School	9.638	22.158	24.048	10.694
Municipal	6.725	15.462	16.780	7.463
Tax Rate	16.363	37.620	40.828	18.157



WOONSOCKET CITY OF
WATER DIVISION
PO BOX B
WOONSOCKET RI 02895-0985

1929 T:006 B:09

Credit/Debit Card Payment
Please Call 1-855-722-6149 w/acct. #
Payment is due on or before due date. If a receipt is
desired, enclose a self-addressed stamped envelope.
Drop box is located at 575 Smithfield Rd. 24hrs a day.
Vehicle Tax bills reflect days registered in 2015
Checks payable to "Town of North Smithfield"



Balance and pay on-line at : www.RIeGov.com
Your Account number is : **23-0380-00**
PIN # to access your account: **RMH-VXR**

Description	Value	Tax
013-046 at OFF EDDIE DOWLING HWY	\$2,630	\$43.03
013-048 at 0 MANVILLE RD	\$3,240	\$53.02
013-170 at 0 OLD SMITHFIELD RD	\$25,380	\$415.29
016-022 at OFF IRON MINE HILL RD	\$63,000	\$1,030.87
016-024 at OFF IRON MINE HILL RD	\$18,000	\$294.53
016-025 at OFF IRON MINE HILL RD	\$67,500	\$1,104.50
016-026 at OFF IRON MINE HILL RD	\$5,560	\$90.98
017-032 at 0 SAYLES HILL RD	\$6,540	\$107.01

Continued on next page....

PAST DUE TAX BILLS

Description Original Bill - Adjustments - Payments = Balance Due + Interest = Amount Due

This account has no past due bills.

23-0380-00

WOONSOCKET CITY OF

3

23-0380-00

WOONSOCKET CITY OF

4

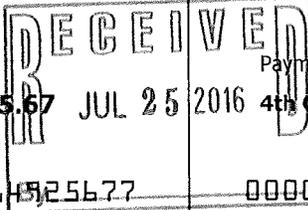


Payment Due Date: 01/15/2017

Payment Due Date: 04/15/2017

3rd Quarterly Payment: \$14,925.67

4th Quarterly Payment: \$14,925.67



00000023038000003101010890014925677

00000023038000003101010890014925677

23-0380-00

WOONSOCKET CITY OF

1

23-0380-00

WOONSOCKET CITY OF

2



Payment Due Date: 08/15/2016

Payment Due Date: 10/15/2016

1st Quarterly Payment: \$14,925.67

2nd Quarterly Payment: \$14,925.67

Annual Tax: \$59,702.68

00000023038000003101010890014925677

00000023038000003101010890014925677

Remit Tax Payment with Stub to:
TOWN OF NORTH SMITHFIELD
PO BOX 844606
BOSTON MA 02284-4606

State Aid:
Total estimated amount of state aid
\$7,578,096
tax rate reduced by \$2.92

Tax Rate:	Real	Motor	Tangible	Comm
School	9.638	22.158	24.048	10.694
Municipal	6.725	15.462	16.780	7.463
Tax Rate	16.363	37.620	40.828	18.157



WOONSOCKET CITY OF
WATER DIVISION
PO BOX B
WOONSOCKET RI 02895-0985

1929 T:006 B:09

Credit/Debit Card Payment
Please Call 1-855-722-6149 w/acct. #
Payment is due on or before due date. If a receipt is
desired, enclose a self-addressed stamped envelope.
Drop box is located at 575 Smithfield Rd. 24hrs a day.
Vehicle Tax bills reflect days registered in 2015
Checks payable to "Town of North Smithfield"



Balance and pay on-line at : www.RIeGov.com
Your Account number is : **23-0380-00**
PIN # to access your account: **RMH-VXR**

Description	Value	Tax
017-033 at 0 OLD SMITHFIELD RD	\$110	\$1.80
017-037 at 0 OLD SMITHFIELD RD	\$3,230	\$52.85
017-064 at 0 EDDIE DOWLING HWY	\$10,800	\$176.72
017-067 at 0 SMITHFIELD RD	\$23,520	\$384.86
017-069 at OFF IRON MINE HILL RD	\$29,700	\$485.98
017-165 at OFF EDDIE DOWLING HWY	\$1,640	\$26.84
017-263 at 0 SAYLES HILL RD	\$430	\$7.04
017-267 at 0 EDDIE DOWLING HWY	\$760	\$12.44

Continued on next page....

PAST DUE TAX BILLS							
Description	Original Bill	-	Adjustments	-	Payments	=	Balance Due + Interest = Amount Due

This account has no past due bills.

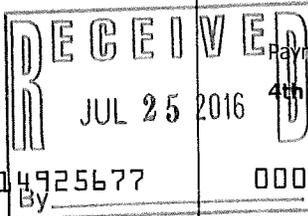
3

4



Payment Due Date:

3rd Quarterly Payment:



Payment Due Date:

4th Quarterly Payment:

0000002303800003101010890014925677

0000002303800003101010890014925677

23-0380-00

WOONSOCKET CITY OF

1



Payment Due Date:

08/15/2016

1st Quarterly Payment:

Annual Tax:

0000002303800003101010890014925677

23-0380-00

WOONSOCKET CITY OF

2



Payment Due Date:

2nd Quarterly Payment:

0000002303800003101010890014925677

Remit Tax Payment with Stub to:
TOWN OF NORTH SMITHFIELD
PO BOX 844606
BOSTON MA 02284-4606

State Aid:
Total estimated amount of state aid
\$7,578,096
tax rate reduced by \$2.92

Tax Rate:	Real	Motor	Tangible	Comm
School	9.638	22.158	24.048	10.694
Municipal	6.725	15.462	16.780	7.463
Tax Rate	16.363	37.620	40.828	18.157



WOONSOCKET CITY OF
WATER DIVISION
PO BOX B
WOONSOCKET RI 02895-0985

1929 T:006 B:09

Credit/Debit Card Payment
Please Call 1-855-722-6149 w/acct. #
Payment is due on or before due date. If a receipt is
desired, enclose a self-addressed stamped envelope.
Drop box is located at 575 Smithfield Rd. 24hrs a day.
Vehicle Tax bills reflect days registered in 2015
Checks payable to "Town of North Smithfield"



Balance and pay on-line at : www.RIEgov.com
Your Account number is : **23-0380-00**
PIN # to access your account: **RMH-VXR**

Description	Value	Tax
017-281 at 0 SMITHFIELD RD	\$18,320	\$299.77
017-282 at 0 OLD SMITHFIELD RD	\$15,840	\$259.19
017-294 at 0 OLD SAYLES HILL RD	\$1,260	\$20.62
020-017 at 0 ROCKY HILL RD	\$27,720	\$453.58
020-018 at 0 ROCKY HILL RD	\$30,100	\$492.53
020-032 at OFF ROCKY HILL RD	\$81,000	\$1,325.40
020-033 at OFF ROCKY HILL RD	\$100,800	\$1,649.39
020-034 at OFF ROCKY HILL RD	\$67,500	\$1,104.50

Continued on next page....

PAST DUE TAX BILLS											
Description	Original Bill	-	Adjustments	-	Payments	=	Balance Due	+	Interest	=	Amount Due

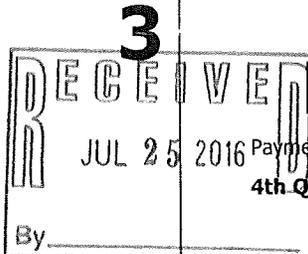
This account has no past due bills.



Payment Due Date:

3rd Quarterly Payment:

0000002303800003101010890014925677



Payment Due Date:

4th Quarterly Payment:

0000002303800003101010890014925677

23-0380-00

WOONSOCKET CITY OF

1



Payment Due Date:

08/15/2016

1st Quarterly Payment:

Annual Tax:

0000002303800003101010890014925677

23-0380-00

WOONSOCKET CITY OF

2



Payment Due Date:

2nd Quarterly Payment:

0000002303800003101010890014925677

Remit Tax Payment with Stub to:
TOWN OF NORTH SMITHFIELD
PO BOX 844606
BOSTON MA 02284-4606

State Aid:
Total estimated amount of state aid
\$7,578,096
tax rate reduced by \$2.92

Tax Rate:	Real	Motor	Tangible	Comm
School	9.638	22.158	24.048	10.694
Municipal	6.725	15.462	16.780	7.463
Tax Rate	16.363	37.620	40.828	18.157



WOONSOCKET CITY OF
WATER DIVISION
PO BOX B
WOONSOCKET RI 02895-0985

1929 T:006 B:09

Credit/Debit Card Payment
Please Call 1-855-722-6149 w/acct. #
Payment is due on or before due date. If a receipt is
desired, enclose a self-addressed stamped envelope.
Drop box is located at 575 Smithfield Rd. 24hrs a day.
Vehicle Tax bills reflect days registered in 2015
Checks payable to "Town of North Smithfield"



Balance and pay on-line at : www.RIEgov.com
Your Account number is : **23-0380-00**
PIN # to access your account: **RMH-VXR**

Description	Value	Tax
021-001-2 at 101 RESERVOIR RD	\$1,793,100	\$32,557.32
021-014 at 0 RESERVOIR RD	\$1,510	\$24.71
021-015 at 0 RESERVOIR RD	\$323,140	\$5,287.54
021-069 at 0 RESERVOIR RD	\$16,200	\$265.08
013-168 at 0 SMITHFIELD RD	\$42,190	\$690.35
017-034 at 0 OLD SMITHFIELD RD	\$7,200	\$117.81
017-035 at 0 SAYLES HILL RD	\$9,580	\$156.76
021-011 at 0 RESERVOIR RD	\$4,000	\$65.45

Continued on next page....

PAST DUE TAX BILLS							
Description	Original Bill	-	Adjustments	-	Payments	=	Balance Due + Interest = Amount Due

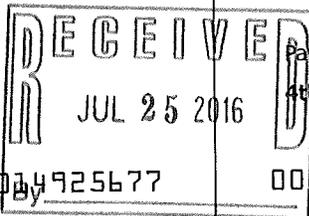
This account has no past due bills.

3

4



Payment Due Date:
3rd Quarterly Payment:



Payment Due Date:
4th Quarterly Payment:

0000002303800003101010890014925677

0000002303800003101010890014925677

23-0380-00 Woonsocket City of

1



Payment Due Date: 08/15/2016
1st Quarterly Payment:
Annual Tax:

0000002303800003101010890014925677

23-0380-00 Woonsocket City of

2



Payment Due Date:
2nd Quarterly Payment:

0000002303800003101010890014925677

Remit Tax Payment with Stub to:
TOWN OF NORTH SMITHFIELD
PO BOX 844606
BOSTON MA 02284-4606

State Aid:
Total estimated amount of state aid
\$7,578,096
tax rate reduced by \$2.92

Tax Rate:	Real	Motor	Tangible	Comm
School	9.638	22.158	24.048	10.694
Municipal	6.725	15.462	16.780	7.463
Tax Rate	16.363	37.620	40.828	18.157



WOONSOCKET CITY OF
WATER DIVISION
PO BOX B
WOONSOCKET RI 02895-0985

1929 T:006 B:09

Credit/Debit Card Payment
Please Call 1-855-722-6149 w/acct. #
Payment is due on or before due date. If a receipt is
desired, enclose a self-addressed stamped envelope.
Drop box is located at 575 Smithfield Rd. 24hrs a day.
Vehicle Tax bills reflect days registered in 2015
Checks payable to "Town of North Smithfield"



Balance and pay on-line at : www.RIeGov.com
Your Account number is : **23-0380-00**
PIN # to access your account: **RMH-VXR**

Description	Value	Tax
017-068 at 0 SMITHFIELD RD	\$16,670	\$272.77
013-047 at 0 MANVILLE RD	\$317,670	\$5,767.93
017-047 at 0 IRON MINE HILL RD	\$281,380	\$4,604.22
Total Tax Bill		\$59,702.68

PAST DUE TAX BILLS							
Description	Original Bill	-	Adjustments	-	Payments	=	Balance Due + Interest = Amount Due

This account has no past due bills.

3

4

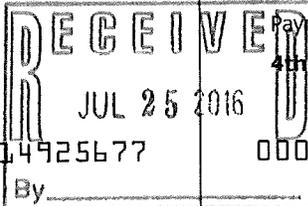


Payment Due Date:

3rd Quarterly Payment:

Payment Due Date:

4th Quarterly Payment:



0000002303800003101010890014925677

0000002303800003101010890014925677

By _____

23-0380-00

WOONSOCKET CITY OF

1



Payment Due Date:

08/15/2016

1st Quarterly Payment:

Annual Tax:

0000002303800003101010890014925677

23-0380-00

WOONSOCKET CITY OF

2



Payment Due Date:

2nd Quarterly Payment:

0000002303800003101010890014925677

Remit Tax Payment with Stub to:
TOWN OF NORTH SMITHFIELD
PO BOX 844606
BOSTON MA 02284-4606

State Aid:
Total estimated amount of state aid
\$7,578,096
tax rate reduced by \$2.92

Tax Rate:	Real	Motor	Tangible	Comm
School	9.638	22.158	24.048	10.694
Municipal	6.725	15.462	16.780	7.463
Tax Rate	16.363	37.620	40.828	18.157



WOONSOCKET CITY OF
WATER DIVISION
PO BOX B
WOONSOCKET RI 02895-0985

1930 T:006 B:09

Credit/Debit Card Payment
Please Call 1-855-722-6149 w/acct. #
Payment is due on or before due date. If a receipt is
desired, enclose a self-addressed stamped envelope.
Drop box is located at 575 Smithfield Rd. 24hrs a day.
Vehicle Tax bills reflect days registered in 2015
Checks payable to "Town of North Smithfield"



Balance and pay on-line at : www.RIEgov.com
Your Account number is : **23-0380-01**
PIN # to access your account: **GKW-WMM**

Description	Value	Tax
WOONSOCKET CITY HALL - Tangible Property	\$1,326,050	\$54,139.97
Total Tax Bill		\$54,139.97

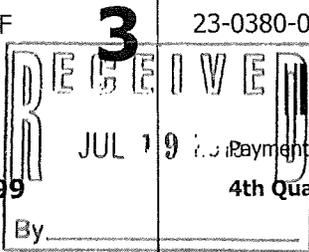
PAST DUE TAX BILLS							
Description	Original Bill	-	Adjustments	-	Payments	=	Balance Due + Interest = Amount Due

This account has no past due bills.

23-0380-01 Woonsocket City of **3**

Payment Due Date: 01/15/2017
3rd Quarterly Payment: **\$13,534.99**

0000002303800103102010820013534990



23-0380-01 Woonsocket City of **4**

Payment Due Date: 04/15/2017
4th Quarterly Payment: **\$13,534.99**

0000002303800103102010820013534990

23-0380-01 Woonsocket City of **1**

Payment Due Date: 08/15/2016
1st Quarterly Payment: **\$13,535.00**
Annual Tax: \$54,139.97

0000002303800103102010820013535003

23-0380-01 Woonsocket City of **2**

Payment Due Date: 10/15/2016
2nd Quarterly Payment: **\$13,534.99**

0000002303800103102010820013534990

Remit Tax Payment with Stub to:
TOWN OF NORTH SMITHFIELD
PO BOX 844606
BOSTON MA 02284-4606

State Aid:
Total estimated amount of state aid
\$7,578,096
tax rate reduced by \$2.92

Tax Rate:	Real	Motor	Tangible	Comm
School	9.638	22.158	24.048	10.694
Municipal	6.725	15.462	16.780	7.463
Tax Rate	16.363	37.620	40.828	18.157



WOONSOCKET CITY OF
P O BOX B
169 MAIN STREET
WOONSOCKET RI 02895-4330

1987 T:006 B:09

Credit/Debit Card Payment
Please Call 1-855-722-6149 w/acct. #
Payment is due on or before due date. If a receipt is
desired, enclose a self-addressed stamped envelope.
Drop box is located at 575 Smithfield Rd. 24hrs a day.
Vehicle Tax bills reflect days registered in 2015
Checks payable to "Town of North Smithfield"



Balance and pay on-line at : www.RIeGov.com
Your Account number is : **03-0741-45**
PIN # to access your account: **HFN-QNP**

Description	Value	Tax
020-029 at 0 ROCKY HILL RD	\$21,670	\$354.59
Total Tax Bill		\$354.59

PAST DUE TAX BILLS

Description Original Bill - Adjustments - Payments = Balance Due + Interest = Amount Due

This account has no past due bills.

03-0741-45

WOONSOCKET CITY OF

3

03-0741-45

WOONSOCKET CITY OF

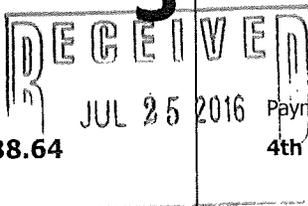
4



Payment Due Date: 01/15/2017

3rd Quarterly Payment:

\$88.64



Payment Due Date: 04/15/2017

4th Quarterly Payment:

\$88.64

0000000307414503101010890000088642

0000000307414503101010890000088642

03-0741-45

WOONSOCKET CITY OF

1

03-0741-45

WOONSOCKET CITY OF

2



Payment Due Date: 08/15/2016

1st Quarterly Payment:

\$88.67

Annual Tax:

\$354.59



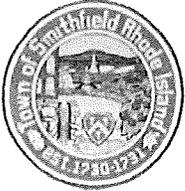
Payment Due Date: 10/15/2016

2nd Quarterly Payment:

\$88.64

0000000307414503101010890000088675

0000000307414503101010890000088642



Smithfield, RI : 2018 TAX BILL



Remit Tax Payment with stub to: Tax Collector Smithfield Town Hall 64 Farnum Pike Smithfield, RI 02917	Information: Any quarterly installments not paid by the end of the installment period will result in the entire unpaid balance immediately becoming due with a penalty of 12% per annum. SEE BACK OF BILL FOR MORE INFORMATION	Tax Rates <i>per thousand dollars of assessed value</i> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th style="text-align: center;">Real</th> <th style="text-align: center;">Com/Ind</th> <th style="text-align: center;">Tang</th> </tr> </thead> <tbody> <tr> <td>School</td> <td style="text-align: center;">9.31</td> <td style="text-align: center;">9.75</td> <td style="text-align: center;">32.19</td> </tr> <tr> <td>Municipal</td> <td style="text-align: center;">8.25</td> <td style="text-align: center;">8.65</td> <td style="text-align: center;">28.55</td> </tr> <tr> <td>Overall</td> <td style="text-align: center;">17.56</td> <td style="text-align: center;">18.40</td> <td style="text-align: center;">60.74</td> </tr> </tbody> </table>		Real	Com/Ind	Tang	School	9.31	9.75	32.19	Municipal	8.25	8.65	28.55	Overall	17.56	18.40	60.74
	Real	Com/Ind	Tang															
School	9.31	9.75	32.19															
Municipal	8.25	8.65	28.55															
Overall	17.56	18.40	60.74															

550406 358 01 008953 01
 WOONSOCKET CITY OF
 WOONSOCKET CITY HALL
 WATER DIVISION
 P O BOX B
 WOONSOCKET RI 02895-0985

TOWN WEBSITE: WWW.SMITHFIELDRI.COM/TAX-COLLECTOR

IF YOUR TAXES ARE PAID THROUGH AN ESCROW ACCOUNT,
PLEASE CONTACT YOUR LENDER REGARDING THIS BILL.



Check your balance and pay on-line at : **www.RIeGov.com**
 Your Account number is : **23-1299-00**
 The PIN # to access your account is : **JTK-TFP**

CURRENT TAX BILL 2018 Tax Assessed as of 12/31/2017				
Description	Land	Building	Valuation	Annual Tax
48/026B at 90 WEST RESERVOIR RD	\$29,200		\$29,200	\$537.28
Total Current Tax Bill				\$537.28

PAST DUE TAX BILLS						
Description	Original Bill	- Adjustments	- Payments	= Balance Due	+ Interest	= Amount Due
This account has no past due bills.						

Smithfield, RI 3rd QUARTERLY PAYMENT 2018	Smithfield, RI 4th QUARTERLY PAYMENT 2018
---	---

Account Number: 23-1299-00

Owner: WOONSOCKET CITY OF

Payment Due Date: 03/01/2019 - 03/31/2019

REFER TO BACK OF BILL FOR EXPLANATION

3rd Quarterly Payment: \$134.32

3

Real / Tangible

Account Number: 23-1299-00

Owner: WOONSOCKET CITY OF

Payment Due Date: 06/01/2019 - 06/30/2019

REFER TO BACK OF BILL FOR EXPLANATION

4th Quarterly Payment: \$134.32

4

Real / Tangible



Smithfield, RI : 2018 TAX BILL



Remit Tax Payment with stub to: Tax Collector Smithfield Town Hall 64 Farnum Pike Smithfield, RI 02917	Information: Any quarterly installments not paid by the end of the installment period will result in the entire unpaid balance immediately becoming due with a penalty of 12% per annum. SEE BACK OF BILL FOR MORE INFORMATION	Tax Rates <i>per thousand dollars of assessed value</i> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th style="text-align: center;">Real</th> <th style="text-align: center;">Com/Ind</th> <th style="text-align: center;">Tang</th> </tr> </thead> <tbody> <tr> <td>School</td> <td style="text-align: center;">9.31</td> <td style="text-align: center;">9.75</td> <td style="text-align: center;">32.19</td> </tr> <tr> <td>Municipal</td> <td style="text-align: center;">8.25</td> <td style="text-align: center;">8.65</td> <td style="text-align: center;">28.55</td> </tr> <tr> <td>Overall</td> <td style="text-align: center;">17.56</td> <td style="text-align: center;">18.40</td> <td style="text-align: center;">60.74</td> </tr> </tbody> </table>		Real	Com/Ind	Tang	School	9.31	9.75	32.19	Municipal	8.25	8.65	28.55	Overall	17.56	18.40	60.74
	Real	Com/Ind	Tang															
School	9.31	9.75	32.19															
Municipal	8.25	8.65	28.55															
Overall	17.56	18.40	60.74															

550406 358 01 008957 01
 WOONSOCKET WATER WORKS
 WOONSOCKET CITY HALL
 WATER DIVISION
 P O BOX B
 WOONSOCKET RI 02895-0985

TOWN WEBSITE: WWW.SMITHFIELDRI.COM/TAX-COLLECTOR
IF YOUR TAXES ARE PAID THROUGH AN ESCROW ACCOUNT, PLEASE CONTACT YOUR LENDER REGARDING THIS BILL.



Check your balance and pay on-line at : **www.RIEgov.com**
 Your Account number is : **23-1310-00**
 The PIN # to access your account is : **TMN-BKG**

CURRENT TAX BILL 2018 Tax Assessed as of 12/31/2017				
Description	Land	Building	Valuation	Annual Tax
48/017 at 0 ROCKY HILL RD	\$346,800		\$346,800	\$6,381.12
Total Current Tax Bill				\$6,381.12

PAST DUE TAX BILLS						
Description	Original Bill	- Adjustments	- Payments	= Balance Due	+ Interest	= Amount Due
This account has no past due bills.						

Smithfield, RI 3rd QUARTERLY PAYMENT 2018 Account Number: 23-1310-00 Owner: WOONSOCKET WATER WORKS Payment Due Date: 03/01/2019 - 03/31/2019 REFER TO BACK OF BILL FOR EXPLANATION 3rd Quarterly Payment: \$1,595.28	Smithfield, RI 4th QUARTERLY PAYMENT 2018 Account Number: 23-1310-00 Owner: WOONSOCKET WATER WORKS Payment Due Date: 06/01/2019 - 06/30/2019 REFER TO BACK OF BILL FOR EXPLANATION 4th Quarterly Payment: \$1,595.28
--	--



Smithfield, RI : 2018 TAX BILL



Remit Tax Payment with stub to:	Information:	Tax Rates
Tax Collector Smithfield Town Hall 64 Farnum Pike Smithfield, RI 02917	Any quarterly installments not paid by the end of the installment period will result in the entire unpaid balance immediately becoming due with a penalty of 12% per annum.	<i>per thousand dollars of assessed value</i>
		Real Com/Ind Tang
		School 9.31 9.75 32.19
		Municipal 8.25 8.65 28.55
		Overall 17.56 18.40 60.74
	SEE BACK OF BILL FOR MORE INFORMATION	

550406 358 01 008954 01
 WOONSOCKET WATER WORKS
 WOONSOCKET CITY HALL
 WATER DIVISION
 P O BOX B
 WOONSOCKET RI 02895-0985

TOWN WEBSITE: WWW.SMITHFIELDRI.COM/TAX-COLLECTOR

IF YOUR TAXES ARE PAID THROUGH AN ESCROW ACCOUNT,
 PLEASE CONTACT YOUR LENDER REGARDING THIS BILL.



Check your balance and pay on-line at : www.RIEgov.com
 Your Account number is : **23-1307-50**
 The PIN # to access your account is : **KGZ-GLG**

CURRENT TAX BILL 2018 Tax Assessed as of 12/31/2017				
Description	Land	Building	Valuation	Annual Tax
48/017A at 111 WEST RESERVOIR RD	\$40,200		\$40,200	\$739.68
Total Current Tax Bill				\$739.68

PAST DUE TAX BILLS					
Description	Original Bill	- Adjustments	- Payments	= Balance Due	+ Interest = Amount Due
This account has no past due bills.					

Smithfield, RI 3rd QUARTERLY PAYMENT 2018

Smithfield, RI 4th QUARTERLY PAYMENT 2018

Account Number: 23-1307-50 **3**
 Owner: WOONSOCKET WATER WORKS Real / Tangible
 Payment Due Date: 03/01/2019 - 03/31/2019
 REFER TO BACK OF BILL FOR EXPLANATION
3rd Quarterly Payment: \$184.92

Account Number: 23-1307-50 **4**
 Owner: WOONSOCKET WATER WORKS Real / Tangible
 Payment Due Date: 06/01/2019 - 06/30/2019
 REFER TO BACK OF BILL FOR EXPLANATION
4th Quarterly Payment: \$184.92



Smithfield, RI : 2018 TAX BILL



Remit Tax Payment with stub to: Tax Collector Smithfield Town Hall 64 Farnum Pike Smithfield, RI 02917	Information: Any quarterly installments not paid by the end of the installment period will result in the entire unpaid balance immediately becoming due with a penalty of 12% per annum. SEE BACK OF BILL FOR MORE INFORMATION	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="4" style="text-align: center;">Tax Rates</th> </tr> <tr> <th colspan="4" style="text-align: center;"><i>per thousand dollars of assessed value</i></th> </tr> <tr> <th></th> <th style="text-align: center;">Real</th> <th style="text-align: center;">Com/Ind</th> <th style="text-align: center;">Tang</th> </tr> </thead> <tbody> <tr> <td>School</td> <td style="text-align: center;">9.31</td> <td style="text-align: center;">9.75</td> <td style="text-align: center;">32.19</td> </tr> <tr> <td>Municipal</td> <td style="text-align: center;">8.25</td> <td style="text-align: center;">8.65</td> <td style="text-align: center;">28.55</td> </tr> <tr> <td>Overall</td> <td style="text-align: center;">17.56</td> <td style="text-align: center;">18.40</td> <td style="text-align: center;">60.74</td> </tr> </tbody> </table>	Tax Rates				<i>per thousand dollars of assessed value</i>					Real	Com/Ind	Tang	School	9.31	9.75	32.19	Municipal	8.25	8.65	28.55	Overall	17.56	18.40	60.74
Tax Rates																										
<i>per thousand dollars of assessed value</i>																										
	Real	Com/Ind	Tang																							
School	9.31	9.75	32.19																							
Municipal	8.25	8.65	28.55																							
Overall	17.56	18.40	60.74																							

550406 358 01 008955 01
 WOONSOCKET CITY OF
 WOONSOCKET CITY HALL
 WATER DIVISION
 P O BOX B
 WOONSOCKET RI 02895-0985

TOWN WEBSITE: WWW.SMITHFIELDRI.COM/TAX-COLLECTOR

IF YOUR TAXES ARE PAID THROUGH AN ESCROW ACCOUNT,
 PLEASE CONTACT YOUR LENDER REGARDING THIS BILL.



Check your balance and pay on-line at : **www.RIeGov.com**
 Your Account number is : **23-1308-75**
 The PIN # to access your account is : **WRK-CVT**

CURRENT TAX BILL 2018 Tax Assessed as of 12/31/2017				
Description	Land	Building	Valuation	Annual Tax
48/027 at 250 RESERVOIR RD Owner as of 12/31/2017: WOONSOCKET WATER WORKS	\$181,500	\$257,200	\$438,700	\$8,072.08
Total Current Tax Bill				\$8,072.08

PAST DUE TAX BILLS						
Description	Original Bill	- Adjustments	- Payments	= Balance Due	+ Interest	= Amount Due
This account has no past due bills.						

Smithfield, RI 3rd QUARTERLY PAYMENT 2018	Smithfield, RI 4th QUARTERLY PAYMENT 2018
---	---

Account Number: 23-1308-75 **3**
 Owner: WOONSOCKET CITY OF Real / Tangible
 Payment Due Date: 03/01/2019 - 03/31/2019
 REFER TO BACK OF BILL FOR EXPLANATION
3rd Quarterly Payment: \$2,018.02

Account Number: 23-1308-75 **4**
 Owner: WOONSOCKET CITY OF Real / Tangible
 Payment Due Date: 06/01/2019 - 06/30/2019
 REFER TO BACK OF BILL FOR EXPLANATION
4th Quarterly Payment: \$2,018.02



Smithfield, RI : 2018 TAX BILL



Remit Tax Payment with stub to:	Information:	Tax Rates
Tax Collector Smithfield Town Hall 64 Farnum Pike Smithfield, RI 02917	Any quarterly installments not paid by the end of the installment period will result in the entire unpaid balance immediately becoming due with a penalty of 12% per annum.	<i>per thousand dollars of assessed value</i>
		Real Com/Ind Tang
		School 9.31 9.75 32.19
		Municipal 8.25 8.65 28.55
		Overall 17.56 18.40 60.74
	SEE BACK OF BILL FOR MORE INFORMATION	

550406 358 01 008956 01
 WOONSOCKET WATER WORKS
 WOONSOCKET CITY HALL
 WATER DIVISION
 P O BOX B
 WOONSOCKET RI 02895-0985

TOWN WEBSITE: WWW.SMITHFIELDRI.COM/TAX-COLLECTOR
IF YOUR TAXES ARE PAID THROUGH AN ESCROW ACCOUNT, PLEASE CONTACT YOUR LENDER REGARDING THIS BILL.

Check your balance and pay on-line at : **www.RIEgov.com**
 Your Account number is : **23-1309-37**
 The PIN # to access your account is : **YMC-NWJ**

CURRENT TAX BILL 2018 Tax Assessed as of 12/31/2017				
Description	Land	Building	Valuation	Annual Tax
48/032A at 201 RESERVOIR RD	\$22,900		\$22,900	\$421.36
Total Current Tax Bill				\$421.36

PAST DUE TAX BILLS				
Description	Original Bill	- Adjustments	- Payments	= Balance Due + Interest = Amount Due
This account has no past due bills.				

<p>Smithfield, RI 3rd QUARTERLY PAYMENT 2018</p> <p>Account Number: 23-1309-37 3</p> <p>Owner: WOONSOCKET WATER WORKS Real / Tangible</p> <p>Payment Due Date: 03/01/2019 - 03/31/2019</p> <p style="text-align: center;">REFER TO BACK OF BILL FOR EXPLANATION</p> <p>3rd Quarterly Payment: \$105.34</p>	<p>Smithfield, RI 4th QUARTERLY PAYMENT 2018</p> <p>Account Number: 23-1309-37 4</p> <p>Owner: WOONSOCKET WATER WORKS Real / Tangible</p> <p>Payment Due Date: 06/01/2019 - 06/30/2019</p> <p style="text-align: center;">REFER TO BACK OF BILL FOR EXPLANATION</p> <p>4th Quarterly Payment: \$105.34</p>
--	--



Smithfield, RI : 2017 TAX BILL																	
Remit Tax Payment with stub to: Tax Collector Smithfield Town Hall 64 Farnum Pike Smithfield, RI 02917	Information: Any quarterly installments not paid by the end of the installment period will result in the entire unpaid balance immediately becoming due with a penalty of 12% per annum.	Tax Rates <i>per thousand dollars of assessed value</i>															
		<table border="1"> <thead> <tr> <th></th> <th>Real</th> <th>Com/Ind</th> <th>Tang</th> </tr> </thead> <tbody> <tr> <td>School</td> <td>9.31</td> <td>9.75</td> <td>32.19</td> </tr> <tr> <td>Municipal</td> <td>8.25</td> <td>8.65</td> <td>28.55</td> </tr> <tr> <td>Overall</td> <td>17.56</td> <td>18.40</td> <td>60.74</td> </tr> </tbody> </table>		Real	Com/Ind	Tang	School	9.31	9.75	32.19	Municipal	8.25	8.65	28.55	Overall	17.56	18.40
	Real	Com/Ind	Tang														
School	9.31	9.75	32.19														
Municipal	8.25	8.65	28.55														
Overall	17.56	18.40	60.74														



514580 358 01 000262 01
 WOONSOCKET CITY OF
 WOONSOCKET CITY HALL
 WATER DIVISION
 PO BOX B
 WOONSOCKET RI 02895-0985

TOWN WEBSITE: WWW.SMITHFIELDRI.COM/TAX-COLLECTOR

FY 2018 State Aid:
 Res \$2.35 | Com \$2.46 | Tang \$8.53 | MV \$5.48
 *State budget not yet approved



Check your balance and pay on-line at : www.RIGov.com
 Your Account number is : **23-1299-00**
 The PIN # to access your account is : **JTK-TFP**

CURRENT TAX BILL 2017 Tax Assessed as of 12/31/2016				
Description	Land	Building	Valuation	Annual Tax
48/026B at 90 WEST RESERVOIR RD	\$29,200		\$29,200	\$537.28

Total Current Tax Bill \$537.28

PAST DUE TAX BILLS



Smithfield, RI : 2017 TAX BILL																	
Remit Tax Payment with stub to: Tax Collector Smithfield Town Hall 64 Farnum Pike Smithfield, RI 02917	Information: Any quarterly installments not paid by the end of the installment period will result in the entire unpaid balance immediately becoming due with a penalty of 12% per annum.	Tax Rates <i>per thousand dollars of assessed value</i>															
			<table border="1"> <thead> <tr> <th></th> <th>Real</th> <th>Com/Ind</th> <th>Tang</th> </tr> </thead> <tbody> <tr> <td>School</td> <td>9.31</td> <td>9.75</td> <td>32.19</td> </tr> <tr> <td>Municipal</td> <td>8.25</td> <td>8.65</td> <td>28.55</td> </tr> <tr> <td>Overall</td> <td>17.56</td> <td>18.40</td> <td>60.74</td> </tr> </tbody> </table>		Real	Com/Ind	Tang	School	9.31	9.75	32.19	Municipal	8.25	8.65	28.55	Overall	17.56
	Real	Com/Ind	Tang														
School	9.31	9.75	32.19														
Municipal	8.25	8.65	28.55														
Overall	17.56	18.40	60.74														



514580 358 01 000263 01
 WOONSOCKET WATER WORKS
 WOONSOCKET CITY HALL
 WATER DIVISION
 PO BOX B
 WOONSOCKET RI 02895-0985

TOWN WEBSITE: WWW.SMITHFIELDRI.COM/TAX-COLLECTOR

FY 2018 State Aid:
 Res \$2.35 | Com \$2.46 | Tang \$8.53 | MV \$5.48
 *State budget not yet approved



Check your balance and pay on-line at : www.RIeGov.com
 Your Account number is : **23-1310-00**
 The PIN # to access your account is : **TMN-BKG**

CURRENT TAX BILL 2017 Tax Assessed as of 12/31/2016				
Description	Land	Building	Valuation	Annual Tax
48/017 at 0 ROCKY HILL RD	\$346,800		\$346,800	\$6,381.12
48/017A at 111 WEST RESERVOIR RD	\$38,800		\$38,800	\$713.92
48/027 at 250 RESERVOIR RD	\$178,600	\$257,200	\$435,800	\$8,018.72
48/032A at 201 RESERVOIR RD	\$22,900		\$22,900	\$421.36

Total Current Tax Bill \$15,535.12

PAST DUE TAX BILLS



Smithfield, RI : 2016 TAX BILL



Remit Tax Payment with stub to: Tax Collector Smithfield Town Hall 64 Farnum Pike Smithfield, RI 02917	Information: If the remaining or any subsequent installment is not paid before the due date, the whole tax or any balance therefore shall at once become due and payable with interest at the rate of 12% per annum	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: left;">Tax Rate:</td> <td style="text-align: center;">Real</td> <td style="text-align: center;">Tangible</td> </tr> <tr> <td>School</td> <td style="text-align: right;">53.00</td> <td style="text-align: right;">53.00</td> </tr> <tr> <td>Municipal</td> <td style="text-align: right;">47.00</td> <td style="text-align: right;">47.00</td> </tr> <tr> <td colspan="3" style="border-top: 1px solid black;"></td> </tr> <tr> <td>Overall</td> <td style="text-align: right;">16.730</td> <td style="text-align: right;">60.740</td> </tr> </table>	Tax Rate:	Real	Tangible	School	53.00	53.00	Municipal	47.00	47.00				Overall	16.730	60.740
Tax Rate:	Real	Tangible															
School	53.00	53.00															
Municipal	47.00	47.00															
Overall	16.730	60.740															

486140 358 01 002116 01
 WOONSOCKET CITY OF
 WOONSOCKET CITY HALL
 WATER DIVISION
 P O BOX B
 WOONSOCKET RI 02895-0985

TOWN WEBSITE: WWW.SMITHFIELDRI.COM/TAX-COLLECTOR

FY 2016 State Aid:
 \$6,453,054 / RE tax reduced by \$2.31, COMM \$2.42,
 MV \$5.14, TANG \$8.05



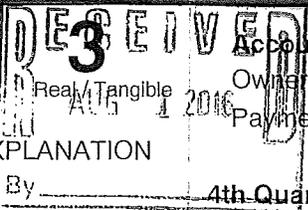
Check your balance and pay on-line at : www.RleGov.com
 Your Account number is : 23-1299-00
 The PIN # to access your account is : JTK-TFP

CURRENT TAX BILL 2016 Tax Assessed as of 12/31/2015				
Description	Land	Building	Valuation	Annual Tax
48/026B at 90 WEST RESERVOIR RD	\$29,200		\$29,200	\$511.88
Total Current Tax Bill				\$511.88

PAST DUE TAX BILLS						
Description	Original Bill	Adjustments	Payments	Balance Due	Interest	Amount Due
This account has no past due bills.						

Smithfield, RI 3rd QUARTERLY PAYMENT 2016	Smithfield, RI 4th QUARTERLY PAYMENT 2016
---	---

Account Number: 23-1299-00
 Owner: WOONSOCKET CITY OF
 Payment Due Date: 03/01/2017 - 03/31/2017
 REFER TO BACK OF BILL FOR EXPLANATION
3rd Quarterly Payment: \$127.97



Account Number: 23-1299-00
 Owner: WOONSOCKET CITY OF
 Payment Due Date: 06/01/2017 - 06/30/2017
 REFER TO BACK OF BILL FOR EXPLANATION
4th Quarterly Payment: \$127.97

Smithfield, RI 1st QUARTERLY PAYMENT 2016	Smithfield, RI 2nd QUARTERLY PAYMENT 2016
---	---

Account Number: 23-1299-00
 Owner: WOONSOCKET CITY OF
 Payment Due Date: 09/01/2016 - 09/30/2016
 REFER TO BACK OF BILL FOR EXPLANATION
1st Quarterly Payment: \$127.97

Account Number: 23-1299-00
 Owner: WOONSOCKET CITY OF
 Payment Due Date: 12/01/2016 - 12/31/2016
 REFER TO BACK OF BILL FOR EXPLANATION
2nd Quarterly Payment: \$127.97



Smithfield, RI : 2016 TAX BILL



Remit Tax Payment with stub to:	Information:	Tax Rate:	Real	Tangible
Tax Collector Smithfield Town Hall 64 Farnum Pike Smithfield, RI 02917	If the remaining or any subsequent installment is not paid before the due date, the whole tax or any balance therefore shall at once become due and payable with interest at the rate of 12% per annum	School Municipal	53.00 47.00	53.00 47.00
		Overall	16.730	60.740

486140 358 01 002117 01
 WOONSOCKET WATER WORKS
 WOONSOCKET CITY HALL
 WATER DIVISION
 P O BOX B
 WOONSOCKET RI 02895-0985

TOWN WEBSITE: WWW.SMITHFIELDRI.COM/TAX-COLLECTOR

FY 2016 State Aid:
 \$6,453,054 / RE tax reduced by \$2.31, COMM \$2.42,
 MV \$5.14, TANG \$8.05



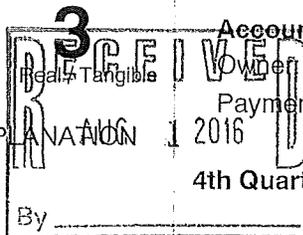
Check your balance and pay on-line at : www.RIeGov.com
 Your Account number is : 23-1310-00
 The PIN # to access your account is : TMN-BKG

CURRENT TAX BILL 2016 Tax Assessed as of 12/31/2015				
Description	Land	Building	Valuation	Annual Tax
48/017 at 0 ROCKY HILL RD	\$346,800		\$346,800	\$6,079.40
48/017A at 111 WEST RESERVOIR RD	\$38,800		\$38,800	\$680.16
48/027 at 250 RESERVOIR RD	\$178,600	\$257,200	\$435,800	\$7,639.57
48/032A at 201 RESERVOIR RD	\$22,900		\$22,900	\$401.44
Total Current Tax Bill				\$14,800.57

PAST DUE TAX BILLS						
Description	Original Bill	Adjustments	Payments	Balance Due	Interest	Amount Due
This account has no past due bills.						

Smithfield, RI 3rd QUARTERLY PAYMENT 2016	Smithfield, RI 4th QUARTERLY PAYMENT 2016
---	---

Account Number: 23-1310-00
 Owner: WOONSOCKET WATER WORKS
 Payment Due Date: 03/01/2017 - 03/31/2017
 REFER TO BACK OF BILL FOR EXPLANATION
3rd Quarterly Payment: \$3,700.14



Account Number: 23-1310-00
 Owner: WOONSOCKET WATER WORKS
 Payment Due Date: 06/01/2017 - 06/30/2017
 REFER TO BACK OF BILL FOR EXPLANATION
4th Quarterly Payment: \$3,700.14

Smithfield, RI 1st QUARTERLY PAYMENT 2016	Smithfield, RI 2nd QUARTERLY PAYMENT 2016
---	---

Account Number: 23-1310-00
 Owner: WOONSOCKET WATER WORKS
 Payment Due Date: 09/01/2016 - 09/30/2016
 REFER TO BACK OF BILL FOR EXPLANATION
1st Quarterly Payment: \$3,700.15

Account Number: 23-1310-00
 Owner: WOONSOCKET WATER WORKS
 Payment Due Date: 12/01/2016 - 12/31/2016
 REFER TO BACK OF BILL FOR EXPLANATION
2nd Quarterly Payment: \$3,700.14

CITY OF WOONSOCKET
DEPARTMENT OF PUBLIC WORKS

PAYMENT VOUCHER



due 9-1/9-30

DATE: 8/5/2016
VENDOR #: 002409
PAYEE: TOWN OF SMITHFIELD
64 FARNUM PIKE
SMITHFIELD, RI 02917

INVOICE #: See Below
FY: 2017
PO #
ACCOUNT #: 1015-W6552-52255 H AMOUNT OF CHECK: \$3,828.12

PARTIAL PAYMENT

FULL PAYMENT

2016 1st Qtr

DESCRIPTION:

#23129900	127.97	48-026B	90 West Reservoir Road
#23131000	3,700.15	48-017	Rocky Hill Road
		48-017A	111 West Reservoir Road
		48-027	250 Reservoir Road
		48-032A	201 Reservoir Road
	3,828.12		

The amount indicated is hereby approved and certified for payment to the above named payee as being lawfully due the same from the City of Woonsocket for the same items shown on the attached invoices.

Authorized By:

Marc Vergiani
Water Division Superintendent

DATE PAID: _____

CHECK # _____

8/5

EXHIBIT 1-5

TRUST INDENTURE

Between

CITY OF WOONSOCKET, RHODE ISLAND

and

J.P. MORGAN TRUST COMPANY, NATIONAL ASSOCIATION, as Trustee

securing

WATER SYSTEM REVENUE BONDS

Dated: May 1, 2003

TABLE OF CONTENTS

	<u>Page</u>
RECITALS AND GRANTING CLAUSES	1
ARTICLE I - DEFINITIONS	3
Section 101. Definitions	3
ARTICLE II - AUTHORIZATION AND ISSUANCE OF BONDS	14
Section 201. Authority for the Indenture	14
Section 202. Indenture to Constitute Contract	14
Section 203. Authorization of Bonds	15
Section 204. [RESERVED]	16
Section 205. General Provisions for Issuance of Bonds	16
Section 206. Special Conditions Precedent to the Delivery of Refunding Bonds	18
Section 207. Bond Anticipation Notes	18
Section 208. Additional Security	18
Section 209. Subordinated Bonds	19
ARTICLE III - GENERAL TERMS AND PROVISIONS OF BONDS	20
Section 301. Place and Medium of Payment, Form and Date	20
Section 302. Legends	21
Section 303. Execution and Authentication	21
Section 304. Interchangeability of Bonds	22
Section 305. Negotiability, Transfer, and Registry	22
Section 306. Bonds Mutilated, Destroyed, Stolen or Lost	23
Section 307. Preparation of Definitive Bonds, Interim Receipts and Temporary Bonds	23
Section 308. Cancellation of Bonds	24
ARTICLE IV - REDEMPTION OF BONDS	24
Section 401. Privilege of Redemption and Redemption Price	24
Section 402. Redemption at the Election of the City	24
Section 403. Redemption Otherwise Than at City's Election	24
Section 404. Selection of Bonds to be Redeemed by Lot	24
Section 405. Notice of Redemption	25
Section 406. Payment of Redeemed Bonds	25
ARTICLE V - ESTABLISHMENT OF FUNDS AND APPLICATION THEREOF	26
Section 501. The Pledge Effected by the Indenture	26
Section 502. Establishment of Funds and Accounts	26
Section 503. Project Fund	27
Section 504. Revenue Fund	29

Section 505. Operating Fund	31
Section 506. Debt Service Fund	32
Section 507. Redemption Fund	34
Section 508. Debt Service Reserve Fund	35
Section 509. Rebate Fund	36
Section 510. Operation and Maintenance Reserve Fund	36
Section 511. Unrestricted Fund	37
Section 512. Investments	37
Section 513. Holding of Special Deposits	38
 ARTICLE VI - PARTICULAR COVENANTS OF THE CITY	 39
Section 601. Powers as to Bonds and Pledge	39
Section 602. [RESERVED]	39
Section 603. Covenant as to Rates and Charges	39
Section 604. Sale, Lease or Encumbrance of System	41
Section 605. Operation, Maintenance and Reconstruction	44
Section 606. Insurance and Condemnation	45
Section 607. Creation of Liens, Other Indebtedness	47
Section 608. Annual Operating Budget	48
Section 609. Accounts and Reports	49
 ARTICLE VII - DEFAULTS AND REMEDIES	 50
Section 701. Events of Default	50
Section 702. Application of Revenues and Other Moneys after Default	52
Section 703. Proceedings Brought by Trustee	53
Section 704. Restriction on Bondholders' Action	54
Section 705. Remedies not Exclusive	54
Section 706. Effect of Waiver and Other Circumstances	55
 ARTICLE VIII - THE FIDUCIARIES	 55
Section 801. Trustee	55
Section 802. Paying Agents	55
Section 803. Depositories	56
Section 804. Responsibility of Fiduciaries	56
Section 805. Evidence on Which Fiduciary May Act	57
Section 806. Compensation	57
Section 807. Permitted Acts	57
Section 808. Resignation of Trustee	57
Section 809. Removal of Trustee	58
Section 810. Appointment of Successor Trustee	58
Section 811. Transfer of Rights and Property to Successor Trustee	58
Section 812. Merger or Consolidation	59

ARTICLE IX - SUPPLEMENTAL INDENTURES	59
Section 901. Supplemental Indentures Effective upon Execution and Delivery	59
Section 902. Supplemental Indenture Regarding Ambiguities	60
Section 903. Supplemental Indentures Amending Indenture or Bonds	60
Section 904. Execution and Delivery of Supplemental Indentures	60
 ARTICLE X - AMENDMENTS	 61
Section 1001. Mailing	61
Section 1002. Powers of Amendment	61
Section 1003. Consent of Bondholders	61
Section 1004. Modification by Unanimous Action	62
Section 1005. Exclusion of Bonds	62
Section 1006. Notation on Bonds	62
 ARTICLE XI - DEFEASANCE	 63
Section 1101. Defeasance	63
 ARTICLE XII - MISCELLANEOUS	 64
Section 1201. Evidence of Signatures of Bondholders and Ownership of Bonds	64
Section 1202. Preservation and Inspection of Documents	65
Section 1203. No Recourse on the Bonds	65
Section 1204. Partial Invalidity	65
Section 1205. Law and Place of Enforcement of the Indenture	65
Section 1206. Business Days	65
Section 1207. Effective Date	65

TRUST INDENTURE

THIS TRUST INDENTURE (the "Indenture") dated as of May 1, 2003 is made by and between the CITY OF WOONSOCKET, RHODE ISLAND (the "Issuer" or the "City"), a municipal corporation organized and existing under the laws of the State of Rhode Island, and J.P. MORGAN TRUST COMPANY, NATIONAL ASSOCIATION (the "Trustee"), a duly organized and validly existing under the laws of the State of Rhode Island authorized to exercise corporate trust powers:

WITNESSETH:

WHEREAS, pursuant to the Act (defined below), the City is authorized to issue its revenue bonds, for the purpose of financing the Cost of Projects within the meaning of the Act and as defined below; and

WHEREAS, the City intends to issue its revenue bonds, potentially in several series (each a "Series of Bonds"), to provide funds to the City to finance, among other things, the Cost of Projects; and

WHEREAS, the City has determined that, in the issuance and sale of the Bonds, it will be acting to further the public purposes of the Act; and

WHEREAS, each Series of Bonds will be issued pursuant to a Supplemental Indenture which will provide for the terms of such Series of Bonds; and

WHEREAS, all things necessary to make the Bonds, when issued, executed and delivered by the City and authenticated by the Trustee, to the extent required pursuant to this Indenture, the valid, binding and legal special obligations of the City, and to constitute this Indenture as a valid assignment and pledge of the revenues herein pledged to the payment of the Principal Amount and Redemption Price of, if any, and interest on the Bonds and a valid assignment and pledge of certain rights of the City has been done and performed, and the creation, execution and delivery of this Indenture, and the execution, issuance and delivery of the Bonds, subject to the terms hereof, have in all respects been duly authorized;

NOW, THEREFORE, THIS INDENTURE WITNESSETH, that to secure the payment of Principal Amount and Redemption Price of, if any, and interest on the Bonds according to their true intent and meaning, and all other amounts due from time to time under this Indenture, including those due to the Trustee, to secure the performance and observance of all of the covenants, agreements, obligations and conditions contained in the Bonds and in this Indenture, and to declare the terms and conditions upon and subject to which the Bonds are and are intended to be issued, held, secured and enforced and in consideration of the premises and the acceptance by the Trustee of the trusts created herein and of the purchase and acceptance of the Bonds by the Bondholders and for other good and valuable consideration, the receipt of which is acknowledged, the City has executed and delivered this Indenture and absolutely and irrevocably

TRUST INDENTURE

THIS TRUST INDENTURE (the "Indenture") dated as of May 1, 2003 is made by and between the CITY OF WOONSOCKET, RHODE ISLAND (the "Issuer" or the "City"), a municipal corporation organized and existing under the laws of the State of Rhode Island, and J.P. MORGAN TRUST COMPANY, NATIONAL ASSOCIATION (the "Trustee"), a duly organized and validly existing under the laws of the State of Rhode Island authorized to exercise corporate trust powers:

WITNESSETH:

WHEREAS, pursuant to the Act (defined below), the City is authorized to issue its revenue bonds, for the purpose of financing the Cost of Projects within the meaning of the Act and as defined below; and

WHEREAS, the City intends to issue its revenue bonds, potentially in several series (each a "Series of Bonds"), to provide funds to the City to finance, among other things, the Cost of Projects; and

WHEREAS, the City has determined that, in the issuance and sale of the Bonds, it will be acting to further the public purposes of the Act; and

WHEREAS, each Series of Bonds will be issued pursuant to a Supplemental Indenture which will provide for the terms of such Series of Bonds; and

WHEREAS, all things necessary to make the Bonds, when issued, executed and delivered by the City and authenticated by the Trustee, to the extent required pursuant to this Indenture, the valid, binding and legal special obligations of the City, and to constitute this Indenture as a valid assignment and pledge of the revenues herein pledged to the payment of the Principal Amount and Redemption Price of, if any, and interest on the Bonds and a valid assignment and pledge of certain rights of the City has been done and performed, and the creation, execution and delivery of this Indenture, and the execution, issuance and delivery of the Bonds, subject to the terms hereof, have in all respects been duly authorized;

NOW, THEREFORE, THIS INDENTURE WITNESSETH, that to secure the payment of Principal Amount and Redemption Price of, if any, and interest on the Bonds according to their true intent and meaning, and all other amounts due from time to time under this Indenture, including those due to the Trustee, to secure the performance and observance of all of the covenants, agreements, obligations and conditions contained in the Bonds and in this Indenture, and to declare the terms and conditions upon and subject to which the Bonds are and are intended to be issued, held, secured and enforced and in consideration of the premises and the acceptance by the Trustee of the trusts created herein and of the purchase and acceptance of the Bonds by the Bondholders and for other good and valuable consideration, the receipt of which is acknowledged, the City has executed and delivered this Indenture and absolutely and irrevocably

pledges and assigns to the Trustee and to its successors in trust, on the basis set forth herein, and its and their assigns, all right, title and interest of the City in and to the Trust Estate as defined in Article I;

TO HAVE AND TO HOLD unto the Trustee and its successors in trust and its and their assigns forever;

BUT IN TRUST, NEVERTHELESS, and subject to the provisions hereof,

(a) for the equal and proportionate benefit, security and protection of all Bonds,

(b) for the enforcement of the payment of the Principal Amount and Redemption Price of, if any, and interest on the Bonds, and all other amounts due from time to time under this Indenture, including those due to the Trustee, when payable, according to the true intent and meaning thereof and of this Indenture, and

(c) to secure the performance and observance of and compliance with the covenants, agreements, obligations, terms and conditions of this Indenture,

in each case, without preference, priority or distinction, as to lien or otherwise except as provided herein, of any one Bond over any other by reason of designation, number, date of the Bonds or of authorization, issuance, sale, execution, authentication, delivery or maturity thereof, or otherwise, so that each Bond and all Bonds shall have the same right, lien and privilege under this Indenture and shall be secured equally and proportionately by this Indenture, it being intended that the lien and security of this Indenture shall take effect from the date hereof, without regard to the date of the actual issue, sale or disposition of the Bonds, as though upon that date all of the Bonds were actually issued, sold and delivered to purchasers for value; provided, however, that, upon satisfaction of and in accordance with the provisions of Article XI, the rights assigned hereby shall cease, determine and be void to the extent described therein; otherwise, such rights shall be and remain in full force and effect;

PROVIDED, FURTHER, that the pledge of the right, title and interest of the City in and to the Trust Estate is given subject to the right of the City to issue additional bonds secured on a parity basis with the Bonds by the Trust Estate; and

IT IS DECLARED that all Bonds issued under and secured by this Indenture are to be issued, authenticated and delivered; and that all Revenues (defined herein) assigned or pledged hereby are to be dealt with and disposed of under, upon and subject to, the terms, conditions, stipulations, covenants, agreements, obligations, trusts, uses and purposes provided in this Indenture; and the City has agreed and covenanted, and agrees and covenants with the Trustee and with each and all Bondholders, as follows:

ARTICLE I

DEFINITIONS

Section 101. Definitions. In this Indenture, unless a different meaning clearly appears from the context:

"Act" shall mean the applicable provisions of Chapter 12.8 of Title 46 of the General Laws of Rhode Island (1956) as amended from time to time and any other statute now or hereafter enacted, which by its general or specific terms authorizes the City to issue debt to finance the System or otherwise affects the terms of such debt;

"Additional Security" shall have the meaning given such term in Section 208 hereof;

"Advance-Refunded Municipal Bonds" shall mean obligations the interest on which is excluded from gross income for purposes of federal income taxation that have been advance-refunded prior to their maturity and that are fully and irrevocably secured as to principal and interest by obligations described in clause (i) of the definition of Permitted Investments and that are rated in the highest rating category by each rating agency rating such obligations;

"Agency" means the Rhode Island Clean Water Finance Agency established pursuant to Chapter 12.2 of Title 46 of the General Laws of Rhode Island (1956) as amended;

"Agency Bonds" shall mean any Series of Bonds issued pursuant to Section 203(1)(v) of this Indenture;

"Agency Loan Agreement" shall mean any loan agreement between the Agency and the City pertaining to a loan made to the City pursuant to Chapter 12.8 of the General Laws of Rhode Island (1956), as amended, and any bond purchase agreement between the Agency and the City relating to the purchase of Bonds issued pursuant hereto by the Agency in accordance with said Chapter 12.8 of Title 46;

"Annual Budget" shall have the meaning given such term in Section 608 hereof;

"Authorized Officer" shall mean the Mayor, the City Treasurer, the Director of Public Works and the Superintendent of the Water Division of the City and, when used in reference to an act or document, shall also mean any other person authorized by resolution of the City Council to perform such act or sign such document;

"Authenticating Agent" shall mean, for the Bonds of a Series or any portion thereof, the Trustee and, where authorized by the applicable Supplemental Indenture, the Paying Agent or Paying Agents for the Bonds of such Series;

"Bond" or "Bonds" shall mean any of the Water System Revenue Bonds of the City authenticated and delivered under the Indenture (and, unless expressly stated to the contrary, shall not include Subordinated Bonds; provided that the provisions of Article III, Article IV, Article VIII, Article IX, Article XI and Article XII shall be applicable to Subordinated Bonds);

"Bondholder" or "Holder" or any similar term, when used with reference to a Bond or a Subordinated Bond, shall mean the registered owner of the Bond or the Subordinated Bond, respectively;

"Business Day" shall mean any day other than a Saturday, a Sunday or any other day on which any Fiduciary is authorized or required by law to be closed for business;

"Capital Improvements" shall mean extensions, improvements, enlargements, betterments, alterations, renewals and replacements of the System (including land, equipment and other real or personal properties), which (i) are used or useful in connection with the System or any part thereof and (ii) are properly chargeable (whether or not so charged by the City), under generally accepted accounting principles, as additions to capital accounts;

"Capital Improvements Budget" shall mean a capital budget for each Fiscal Year which identifies the Capital Improvements to the System to be undertaken by the City during such Fiscal Year, the nature of the work, the estimated completion date of each Capital Improvement, the estimated Costs expected to be expended therefor in such Fiscal Year, and estimated disbursements from any Project Account or Renewal or Replacement Account in the Project Fund and, to the extent provided by the City, any other fund or account under or outside the Indenture, as well as the sources of moneys projected to be available to pay such estimated Costs in such Fiscal Year;

"Capitalized Interest Account" shall mean the account, if any, in the Debt Service Fund so designated and created pursuant to Section 506;

"Certified Public Accountant" shall mean an independent certified public accountant or firm of accountants selected by the City and reasonably acceptable to the Agency;

"City" shall mean the City of Woonsocket, Rhode Island or any body, agency, political subdivision, or instrumentality of the State or the City of Woonsocket which shall hereafter assume ownership or control of the System;

"City Council" shall mean the City Council of Woonsocket, provided that if the City Council shall have by resolution authorized an Authorized Officer to perform an act or sign a document, with respect to such act or signature "City Council" shall also mean such Authorized Officer and provided further that with respect to any successor body, agency, political subdivision or other instrumentality which shall hereafter own or control the System, "City Council" shall mean the governing body of such successor entity;

"Corporation Counsel" shall mean the City Solicitor of the City or any other attorney so designated by an Authorized Officer;

"Compound Interest Bonds" shall have the meaning given such term in Section 203(5) hereof;

"Consulting Engineer" shall mean an independent consultant or engineer or firm of consultants or engineers having a national reputation for expertise in such matters with respect to properties similar to those of the System selected by the City and reasonably acceptable to the Trustee; provided that for the purposes of Section 503(3) the Consulting Engineer may be an engineer regularly in the employ of the City;

"Cost" as applied to any approved Project, means any or all costs, whenever incurred, of planning, designing, acquiring, constructing, and carrying out and placing the Project in operation, including, without limiting the generality of the foregoing, amounts for the following: planning, design, acquisition, construction, expansion, improvement and rehabilitation of facilities; acquisition of real or personal property; demolitions and relocations; labor, materials, machinery and equipment; services of architects, engineers, and environmental and financial experts and other consultants; feasibility studies, plans, specifications, and surveys; interest prior to and during the carrying out of any Project and for a reasonable period thereafter; reserves for debt service or other capital or current expenses; costs of issuance of local governmental obligations issued to finance the obligations including, without limitation, fees, charges, and expenses and costs of the Agency relating to the loan evidenced thereby, fees of trustees and other depositories, legal and auditing fees, premiums and fees for insurance, letters or lines of credit or other credit facilities securing local governmental obligations and other costs, fees, and charges in connection with the foregoing; and working capital, administrative expenses, legal expenses, and other expenses necessary or incidental to the aforesaid, to the financing of a Project and to the issuance therefor of local government obligations under the provisions of the Act, and shall include any item of cost, as may be permitted by the Act, as amended from time to time.

"Costs of Issuance" shall mean all items of expense directly or indirectly payable or reimbursable by or to the City and related to the authorization, sale and issuance of Bonds or Subordinated Bonds, including but not limited to printing costs, costs of preparation and reproduction of documents, filing and recording fees, initial fees and charges of the Fiduciaries, legal fees and charges, fees and disbursements of consultants and professionals, initial fees and charges for Reserve Deposits, and any other cost, charge or fee in connection with the original issuance of Bonds;

"Counsel's Opinion" shall mean an opinion signed by an attorney or firm of attorneys selected by the City and not unsatisfactory to the Trustee;

"Debt Service Assistance" shall mean any money received by or on behalf of the City under or pursuant to any agreement or on account of a grant or contribution, heretofore or hereafter made, in aid of, with respect to, or on account of debt service on debt incurred with respect to the System excluding any interest subsidies received from the Agency on account of any of its leveraged loan programs;

"Debt Service Assistance Account" shall mean the account in the Debt Service Fund so designated and created pursuant to Section 502;

"Debt Service Fund" shall mean the fund so designated created by Section 502;

"Debt Service Fund Requirement" shall mean, as of any particular date of computation, the amount of money obtained by (i) aggregating the several sums, computed with respect to the Bonds of each Series Outstanding, of (A) any unpaid interest due on such Bonds at or before said date and all interest on such Bonds accrued but not due at said date, (B) the Principal Amount of any such Bonds matured and unpaid at or before said date, and (C) with respect to any Principal Installment of any Bonds not included in (B) above, but payable on the next succeeding Principal Installment payment date other than by reason of acceleration or redemption at the option of the City or the Holder of any Bonds, that portion of such Principal Installment determined by multiplying such Principal Installment by a fraction, the numerator of which shall be the number of days elapsed from and including the immediately preceding Principal Installment payment date, or if there be no such date with respect to such Bonds, the date of issuance thereof, to the date of such calculation and the denominator of which shall be the number of days from and including the immediately preceding Principal Installment payment date, or if there be no such date with respect to such Bonds, the date of issuance thereof, to such next succeeding Principal Installment payment date and (ii) deducting amounts on deposit in the Debt Service Assistance Account available to make such payments on such Bonds; provided, that for purposes of any such computation, the Principal Installments of and interest on the Bonds in any period shall, in the case of any Series of Agency Bonds, be limited to the Required Debt Service Fund Deposits set forth for such period in the applicable Supplemental Indenture;

"Debt Service Requirement" shall mean, for any period of calculation, (i) all interest payable on all Bonds Outstanding during such period, plus (ii) the Principal Installment or Installments payable on such Bonds during such period, less (iii) amounts available to pay Principal Installments and interest becoming due in such Fiscal Year on Bonds Outstanding as of the first day of such Fiscal Year, including but not limited to (A) amounts on deposit in the Debt Service Assistance Account or Debt Service Assistance certified by an Authorized Officer of the City as reasonably expected to be received and deposited to the Debt Service Assistance Account on or before the last day of the Fiscal Year during which the applicable Debt Service Requirement calculation is to be made if such Debt Service Assistance has been appropriated by the applicable governmental entity, if any, or is payable pursuant to an agreement constituting a valid general obligation of the grantor, (B) amounts on deposit in the Stabilization Account and (C) the amount, if any, of Bond proceeds available or projected to be available to pay Principal

Installments and interest becoming due in such Fiscal Year on Bonds Outstanding; provided that the interest and Principal Installments payable on any Series of Agency Bonds during such period shall be limited to the Required Debt Service Fund Deposits for such period set forth in the applicable Supplemental Indenture; and provided, further, for purposes of demonstrating compliance with Section 603(2) (as contemplated by Section 603(4)) hereof, that the amount of Debt Service Assistance deducted from such calculation pursuant to clause (iii) above shall include only Debt Service Assistance actually received by the City during or on account of such period and deposited in the Debt Service Assistance Account or amounts in anticipation thereof transferred from the Revenue Fund or from general funds of the City and deposited in such account;

"Debt Service Reserve Fund" shall mean the fund so designated created by Section 502;

"Debt Service Reserve Fund Requirement" shall mean, with respect to any Series of Bonds, as of any particular date of computation, an amount of cash, Permitted Investments or Reserve Deposits, or any combination of the foregoing, equal to the lesser of (i) the maximum aggregate Debt Service Requirement on a Series of Bonds in any current or future fiscal year or other appropriate twelve month period on such Series of Bonds; (ii) 125% of the average annual Debt Service Requirement on a Series of Bonds in any current or future fiscal year or other appropriate twelve month period, and (iii) 10% of the Outstanding Principal Amount of such Series of Bonds. For purposes of this computation, the amount of anticipated loan subsidies to be paid by the Agency on account of a Series of Bonds in such years shall be deducted from the calculation of Debt Service Requirement with respect to each Series of Bonds;

"Depository" shall mean any bank or trust company selected in accordance with Section 803 hereof as a depository of moneys to be held under the provisions of this Indenture, and may include the Trustee;

"Discount Bonds" shall have the meaning given such term in Section 203(3) hereof;

"Fiduciary" shall mean the Trustee, any Paying Agent, any Depository or any Authenticating Agent;

"Fiscal Year" shall mean the period beginning on July 1 of any calendar year and ending on June 30 of the next succeeding calendar year or such other period of twelve calendar months as may be authorized as the fiscal year of the City;

"Fixed-Rate Bonds" shall have the meaning given such term in Section 203(2) hereof;

"General Fund" shall mean the general fund of the City;

The terms "herein", and "hereunder", "hereby", "hereof", and any similar terms, refer to the Indenture as a whole; the term "heretofore" shall mean before the effective date of the Indenture, and the term "thereafter" shall mean after the effective date of the Indenture;

"Indenture" shall mean this Trust Indenture as the same may be amended or supplemented in accordance herewith;

"Insurance Reserve Fund" shall mean the fund so designated created pursuant to Section 502;

"Insurance Reserve Fund Requirement" shall have the meaning given to such term in Section 606;

"Net Revenues" shall mean, for any period of computation, (i) all Revenues (excluding Debt Service Assistance deposited in the Debt Service Assistance Account and any proceeds of insurance, condemnation or the sale or other disposition of any part of the System deposited in the Revenue Fund during such period, but including unrestricted fund balance on the books of the System) received by the City during such period and deposited in the Revenue Fund, plus (ii) monies withdrawn from the Stabilization Account and transferred from the Stabilization Account in accordance with Section 506 less (iii) all amounts withdrawn from the Revenue Fund during such period and (a) deposited in the Operating Fund, the Rebate Fund and the Stabilization Account or (b) required to be deposited in the Debt Service Reserve Fund during such period;

"Operation and Maintenance Reserve Fund" shall mean the fund so designated and created by Section 502;

"Operation and Maintenance Reserve Fund Requirement" shall have the meaning given to the term in Section 608;

"Operating Fund" shall mean the fund so designated created by Section 502;

"Operating Expenses" shall mean any expenses incurred by or for the account of the City or reimbursable by or to the City for operation, maintenance and repair of the System including, without limiting the generality of the foregoing, administrative expenses, financial, legal and auditing expenses, insurance premiums, payments on claims against the City, to the extent monies are unavailable therefor in the Insurance Reserve Fund or to the extent such claims shall fall within such reasonable deductible limits as may be determined by the City, if any, payments in lieu of taxes, if any, payments of rates, assessments or other charges to the City with respect to the System, legal and engineering expenses relating to operation and maintenance, payments and reserves for pension, retirement, health, hospitalization and sick leave benefits for City employees allocable to the System and any other similar expenses required to be paid by the City, all to the extent properly and directly attributable to the System, and the expenses, liabilities and compensation of the Fiduciaries required to be paid under the Indenture, but does not include the

Cost of any Capital Improvement or any provision for interest, depreciation, amortization or similar charges on any indebtedness except for (i) interest paid on notes, and renewals thereof, issued in accordance with Section 607(2) (to the extent not included in the Cost of any Project), and (ii) payments made with respect to any indebtedness represented by leases, mortgages, security interests and other encumbrances permitted by Section 604(3);

"Outstanding", when used with reference to Bonds or Subordinated Bonds, shall mean as of any particular date, all Bonds or Subordinated Bonds theretofore and thereupon being authenticated and delivered except (1) any Bond or Subordinated Bond canceled by the Trustee, or proven to the satisfaction of the Trustee to have been canceled by the City or by any other Fiduciary, at or before said date, (2) any Bond or Subordinated Bond for the payment or redemption of which moneys equal to the Principal Amount or Redemption Price thereof, as the case may be, with interest to the maturity or redemption date, shall have theretofore been deposited with the Trustee in trust (whether upon or prior to maturity or the redemption date of such Bond or Subordinated Bond) and, except in the case of a Bond or Subordinated Bond to be paid at maturity, of which notice of redemption shall have been given or provided for in accordance with Article IV, (3) any Bond or Subordinated Bond in lieu of or in substitution for which another Bond shall have been delivered pursuant to Article III, Section 406 or Section 1006, and (4) any Bond or Subordinated Bond deemed to have been paid as provided in Section 1101;

"Paying Agent" shall mean any paying agent or co-paying agent for Bonds or Subordinated Bonds of any Series appointed pursuant to the Indenture or an applicable Supplemental Indenture and its successor or successors and any other corporation which may at any time be substituted in its place pursuant to the Indenture;

"Permitted Investments" shall mean and include any of the following securities, if and to the extent the same are at the time legal for investment of the funds held pursuant to this Indenture:

- (i) any bonds or other obligations which as to principal and interest constitute direct obligations of, or are unconditionally guaranteed by, the United States of America, including obligations of any Federal agency or corporation which has been or may hereafter be created pursuant to an act of Congress as an agency or instrumentality of the United States of America to the extent unconditionally guaranteed by the United States of America, and any certificates or receipts representing direct ownership of future interest or principal payments in such bonds or other obligations;
- (ii) public housing bonds issued by public agencies or municipalities and fully guaranteed as to the payment of both principal and interest by the United States of America; temporary notes, preliminary loan notes or project notes issued by public agencies or municipalities, in each case fully secured as to the timely payment of both principal and interest by a requisition or payment agreement with

the United States of America, or obligations issued by any state or any public agencies or municipalities which at the time of purchase are rated in either of the two highest rating categories by each Rating Agency then maintaining a rating on such obligations;

- (iii) direct and general obligations of any state of the United States to the payment of the principal of and interest on which the full faith and credit of such state is pledged, and direct and general obligations of any political subdivision of any such state to the payment of which the full faith and credit and unlimited ad valorem taxing power of such political subdivision is pledged, provided that at the time of their purchase under the Indenture such obligations are rated in either of the two highest rating categories by a nationally recognized bond rating agency;
- (iv) commercial paper rated in the highest category by each Rating Agency then maintaining a rating on such commercial paper;
- (v) investments in a money market fund or other fund the investments of which consist exclusively of obligations described in clause (i) above;
- (vi) bank time deposits evidenced by certificates of deposit issued by banks or savings and loan institutions (which may include any Fiduciary) having at the time of purchase a combined capital and surplus of not less than \$50,000,000 which are members of the Federal Deposit Insurance Corporation; provided that any such time deposits in excess of applicable federally insured limits are fully secured by obligations described in clause (i) above, which such obligations at all times have a market value (exclusive of accrued interest) at least equal to such bank time deposits so secured, including interest;
- (vii) repurchase agreements relating to securities of the type specified in clause (i) above with banks or trust companies having a combined capital and surplus of not less than \$50,000,000 or with government bond dealers reporting to, trading with, and recognized as a primary dealer by, the Federal Reserve Bank of New York; provided that the market value of such securities is at the time of entering into such agreement at least one hundred three percent (103%) of the repurchase price specified in the agreement; and provided further that such securities are delivered to or held by the Trustee or a depository satisfactory to the Trustee in such manner as may be required to provide a perfected security interest in such securities;
- (viii) investment contracts with, or guaranteed by, banks or other financial institutions whose long-term unsecured debt or claims-paying ability at the time of purchase is rated in one of the three highest rating categories for such debt or claims-paying ability by each Rating Agency then maintaining a rating on such banks or other financial institutions;

- (ix) bonds, notes or other evidences of indebtedness issued or guaranteed by the Federal Banks for Cooperatives, Federal Intermediate Credit Bank, Federal Home Loan Mortgage Corporation, Federal Home Loan Bank System, Federal Land Banks, Export-Import Bank of the United States, Federal National Mortgage Association, Government National Mortgage Association or any agency or Instrumentality of or corporation wholly owned by the United States of America; and
- (x) Advance-Refunded Municipal Bonds.

"Principal Amount," with respect to any Bond or Subordinated Bond, shall mean the stated principal thereon or such other amount payable on any Compound Interest Bond or Discount Bond designated as the Principal Amount thereof pursuant to the applicable Supplemental Indenture;

"Principal Installment" shall mean, as of any particular date of computation and with respect to Bonds or Subordinated Bonds of a particular Series, an amount of money equal to the aggregate of (i) the Principal Amount of Outstanding Bonds or Subordinated Bonds of said Series which mature on such date, reduced by the aggregate Principal Amount of such Outstanding Bonds or Subordinated Bonds which would at or before said date be retired by reason of the payment when due and application in accordance with the Indenture of Sinking Fund Payments payable at or before said date for the retirement of such Outstanding Bonds or Subordinated Bonds, plus (ii) the amount of any Sinking Fund Payment payable on said date for the retirement of any Outstanding Bonds or Subordinated Bonds of said Series;

"Principal Office," when used with respect to a Fiduciary, shall mean the office where such Fiduciary maintains its principal office or, where different, its principal corporate trust office;

"Project" shall mean a Capital Improvement, all or a portion of the Cost of which is financed by Bonds;

"Project Account" shall mean one of the accounts so designated in the Project Fund created by Section 503;

"Project Fund" shall mean the fund so designated created by Section 502;

"Public Utilities Commission" shall mean the Public Utilities Commission of the State created pursuant to Chapter 39-1 of the General Laws of Rhode Island, as amended from time to time;

"Rates and Charges" shall mean, except as otherwise expressly provided herein, all fees, rates, rents, assessments and other charges established by or on behalf of the City for the services, facilities and commodities furnished or supplied by it from the operation of the System;

"Rating Agency" shall mean Fitch, Moody's Investors Service or Standard & Poor's and their respective successors and assigns and shall also include any other rating agency nationally recognized for skill and expertise in rating the credit of obligations such as the Bonds or Subordinated Bonds;

"Rebate Fund" shall mean the fund so designated in any Supplemental Indenture;

"Redemption Fund" shall mean the fund so designated created by Section 502;

"Redemption Price" shall mean, with respect to any Bond or Subordinated Bond or portion thereof, the Principal Amount thereof or of such portion, or such other amount as may be provided in the applicable Supplemental Indenture, plus the premium, if any, payable upon redemption thereof;

"Refunding Bonds" shall mean any of the Bonds authorized by Section 205;

"Reimbursement Obligation" shall have the meaning given such term in Section 208;

"Required Debt Service Fund Deposits" shall mean, with respect to each Series of Agency Bonds, the amounts so designated pursuant to Section 204(1)(ix) of this Indenture and the applicable Supplemental Indenture;

"Reserve Deposits" shall mean one or more of the following:

- (i) irrevocable, unexpired letters of credit issued by banking institutions the senior long-term debt obligations of which (or of the holding company of such banking institution) have (at the time of issue of such letter of credit) a rating within the two highest rating categories generally available to banking institutions by each Rating Agency rating such debt without regard to any gradations within such categories; or
- (ii) irrevocable and unconditional policies of insurance in full force and effect issued by municipal bond insurers the obligations insured by which are eligible for a rating at the time of issuance of such policies within the two highest rating categories available to insurers generally issuing such insurance by each Rating Agency rating such insurance without regard to any gradations within such categories.

in each case providing for the payment of sums for the payment of Principal Installments and interest on Bonds in the manner provided under Section 508;

"Revenue Fund" shall mean the fund so designated created in accordance with Section 502;

"Revenues" shall mean and include (except as otherwise expressly provided herein) (i) all income, fees, revenues, rates, receipts, assessments, rents, charges and other moneys, including any unrestricted fund balance attributable to the operation of the System, (a) derived by the City from its ownership and operation of the System (including collections by or on behalf of the City on account of services and commodities furnished or supplied by the System prior to the effective date of the Indenture) or (b) derived from any other source, to the extent such moneys are deposited or required to be deposited to the Revenue Fund by the City from time to time pursuant to a Supplemental Indenture (provided that any such moneys shall not be considered Revenues for purposes of Section 603(2) of this Indenture unless at the time of the deposit thereof to the Revenue Fund an Authorized Officer shall have submitted to the Trustee a certificate designating such moneys as Revenues for such purpose) and (ii) all accounts, receivables, general intangibles and contract or other rights to receive the Revenues described in clause (i), whether existing at the effective date of the Indenture or thereafter coming into existence and whether held by the City at the effective date of the Indenture or thereafter acquired, and the proceeds thereof, including, without limiting the generality of the foregoing, receipts from Rates and Charges and from the earnings on the investment of any moneys held under the Indenture by the Trustee, a Depository or the City or remitted to the City by the Agency (other than moneys held in the Rebate Fund and the Unrestricted Fund), receipts from fees, rates, assessments and other charges to any political subdivision of the State for services or commodities furnished or supplied by the System, proceeds of any grant or appropriation for or on account of Operating Expenses received by the City from the United States or the State or from any agency, instrumentality or political subdivision of either thereof, Debt Service Assistance and except to the extent otherwise provided herein, proceeds of the sale or other disposition of all or any part of the System and of insurance and condemnation awards received with respect to the System or any part thereof, but not including any amounts not deemed "Revenues" pursuant to Section 504(1) hereof;

"Series" when used with respect to less than all of the Bonds or Subordinated Bonds, shall mean or refer to all of the Bonds or Subordinated Bonds authenticated and delivered on original issuance in a simultaneous transaction, regardless of variations in maturity, interest rate or other provisions and may also mean, if appropriate, a lot or subseries of any Series if, for any reason, the City should determine to divide any Series into two or more lots or subseries;

"Series Debt Service Reserve Fund Requirement" shall mean, as of any date of calculation, the aggregate amount required to be deposited to the Debt Service Reserve Fund pursuant to the Supplemental Indenture applicable to a particular Series of Bonds;

"Sinking Fund Payment" shall mean, as of any particular date of computation and with respect to Bonds or Subordinated Bonds of a particular Series, the amount of money required by any Supplemental Indenture to be paid by the City on such date for the retirement of any Outstanding Bonds or Subordinated Bonds of said Series which mature after said date, but does not include any amount payable by the City by reason of the redemption of Bonds or Subordinated Bonds at the election of the City or the Holders of such Bonds;

"Stabilization Account" shall mean the account in the Debt Service Fund established pursuant to Section 502;

"State" shall mean the State of Rhode Island and Providence Plantations;

"Subordinated Bonds" shall have the meaning given such term in Section 208 hereof;

"Supplemental Indenture" shall mean any indenture of the City amending or supplementing the Indenture adopted and becoming effective in accordance with the terms of Article IX;

"System" shall mean the system of water supply, treatment and distribution facilities of the City, together with any Capital Improvements or other additions thereto and substitutions for any part thereof heretofore or hereafter acquired or made by or on behalf of the City, and all other water supply facilities (as such terms are defined in the Act) of the City used in, or necessary or desirable for, the operation of such system, including but not limited to, artesian wells, reservoirs, dams, pipelines, treatment plants and related equipment;

"Trust Estate" means all right, title and interest of the City in and to (i) all Revenues, and (ii) all monies, securities and Reserve Deposits in all funds and accounts established by or pursuant to the Indenture, except the Operating Fund, the Rebate Fund, and the Unrestricted Fund, if established;

"Trustee" means the trustee appointed in accordance with Section 801, and its successor or successors and any other corporation which may at any time be substituted in its place pursuant to the Indenture; and

"Unrestricted Fund" shall mean the fund so designated created by Section 502.

ARTICLE II

AUTHORIZATION AND ISSUANCE OF BONDS

Section 201. Authority for the Indenture. The Indenture is authorized pursuant to the Act and the ordinance of the City Council of Woonsocket adopted on November 4, 2002.

Section 202. Indenture to Constitute Contract. In consideration of the purchase and acceptance of the Bonds and Subordinated Bonds by those who shall own the same from time to time, the Indenture shall constitute a contract between the City and the Holders from time to time of the Bonds and Subordinated Bonds, and the pledge made in the Indenture and the covenants and agreements therein set forth to be performed by or on behalf of the City shall be, subject to the provisions of Section 209, for the equal benefit, protection and security of the Holders of any and all of the Bonds and Subordinated Bonds, all of which, regardless of the time or times of

their issue or maturity, shall be of equal rank without preference, priority or distinction of any of the Bonds over any other thereof or of any of the Subordinated Bonds over any other thereof, except as expressly provided in or permitted by the Indenture.

Section 203. Authorization of Bonds.

(1) There is hereby authorized one or more Series of Bonds of the City to be designated as "Water System Revenue Bonds," which Bonds may be issued as hereinafter provided from time to time, without limitation as to amount except as provided in the Indenture or as limited by law. Bonds may be issued in accordance with this Section for the purpose of (i) paying all or a portion of the Cost of any Project, (ii) the making of deposits in all funds and accounts, excluding the Unrestricted Fund, established hereunder, (iii) the payment of Costs of Issuance and the discount, if any, payable upon issuance of such Series of Bonds, (iv) the payment of the principal of and interest and premium, if any, on notes issued in anticipation of such Bonds, (v) the securing of the City's repayment obligations with respect to, or sale to the Agency pursuant to, one or more Agency Loan Agreements or (vi) any combination of the foregoing. The Bonds may, if and when authorized by the City pursuant to one or more Supplemental Indentures, be issued in one or more Series, and within a Series, in one or more subseries or lots, and the designation thereof, in addition to the name "Water System Revenue Bonds," may include such further appropriate designations added to or incorporated in such title for the Bonds of any particular Series, subseries or lots as the City may determine. The Bonds may be issued as Fixed-Rate Bonds, Variable Rate Bonds, Tender Bonds, Compound Interest Bonds, or Discount Bonds or any combination thereof in accordance with applicable provisions set forth below and the applicable Supplemental Indenture.

(2) The City may issue Bonds hereunder which bear a fixed rate or rates of interest during the term thereof ("Fixed-Rate Bonds"). The applicable Supplemental Indenture shall specify the rate or rates of interest borne by such Bonds and the interest payment dates thereof.

(3) The City may issue Bonds which provide for the addition of all or any part of accrued and unpaid interest thereon to the principal due thereon upon such terms with respect thereto determined by an applicable Supplemental Indenture ("Compound Interest Bonds"). The City may issue Bonds which either bear a zero stated rate of interest or bear a stated rate of interest such that such Bonds are sold to the public on original issuance at a price less than the aggregate Principal Amount thereof in order to provide such yield thereon as deemed appropriate and desirable thereon by the City ("Discount Bonds"). In the applicable Supplemental Indenture for any Compound Interest Bonds or Discount Bonds, the City shall provide for the method of determination of the Principal Amount and "interest" payable on such Bonds as of any date of calculation and for the purposes hereof such terms with respect to such Bonds shall have the meanings given in such applicable Supplemental Indenture.

(4) For purposes of this Section, Bonds shall include Subordinated Bonds.

Section 204. [RESERVED].

Section 205. General Provisions for Issuance of Bonds:

- (1) Bonds of any Series shall be authorized by a Supplemental Indenture which shall specify:
- (i) the authorized Principal Amount, designation, manner of numbering and lettering and Series of such Bonds;
 - (ii) the date of such Bonds and the date or dates of maturity thereof;
 - (iii) the Redemption Price or Prices and the time or times and other terms of redemption, if any, of any of such Bonds;
 - (iv) the amount and date of each Sinking Fund Payment, if any, required to be paid for the retirement of any of such Bonds of like maturity;
 - (v) the manner in which the proceeds, if any, of such Bonds are to be applied;
 - (vi) the Project or Projects, if any, to be financed by such Bonds and the designation of a Project Account, if any, for the Bonds of such Series;
 - (vii) the form or forms of the Bonds of such Series;
 - (viii) the Series Debt Service Reserve Fund Requirement applicable to the Bonds of such Series;
 - (ix) if the Bonds are Agency Bonds, the Required Debt Service Fund Deposits to be made to the Debt Service Fund in compliance with the applicable Agency Loan Agreement, taking into account any principal or interest subsidies available to the City in connection with such Agency Loan Agreement;
 - (x) the minimum denomination, if any, applicable to the Bonds of such Series; and
 - (xi) any other provisions deemed advisable by the City not in conflict with the Indenture.
- (2) The Bonds of each Series shall be executed by the City and delivered to the Authenticating Agent for such Series of Bonds and by it authenticated and delivered to or upon the order of the City, but only upon receipt by the Trustee of:

- (i) written order signed by an Authorized Officer of the City as to the authentication and delivery of such Bonds;
- (ii) a copy of the applicable Supplemental Indenture executed by an Authorized Officer;
- (iii) an amount of moneys or Reserve Deposits in a stated amount such that following the issuance of such Bonds and application of their proceeds, the amounts on deposit in and the aggregate stated and unpaid amount of all Reserve Deposits held as part of the Debt Service Reserve Fund shall equal the Debt Service Reserve Fund Requirement; provided, however, that the applicable Supplemental Indenture may provide that the Series Debt Service Reserve Fund Requirement attributable to any Series of Agency Bonds may be funded in substantially equal monthly installments over a period of time after issuance as specified in the applicable Supplemental Indenture (which period shall not exceed 24 months);
- (iv) a certificate of a Consulting Engineer or Certified Public Accountant selected by the City and satisfactory to the Trustee (a) setting forth the estimated annual Net Revenues for each of the three full Fiscal Years following the issuance of such Bonds (including the Fiscal Year in which such Bonds are issued), after giving effect to any increases or decreases in Rates and Charges projected to be in effect for such period, and to the Series Debt Service Reserve Fund Requirement attributable to such Bonds and to any additional Revenues projected to be available during such period, and (b) showing for each of such Fiscal Years that the estimated annual Net Revenues for such Fiscal Year together with amounts in the Stabilization Account, if any, available in such Fiscal Year (as calculated by an Authorized Officer at the time of issuance of such Bonds) will be at least equal to one hundred twenty-five percent (125%) (or such higher amount as may be set forth in the Supplemental Indenture authorizing the issuance of such Series of Bonds) of the Debt Service Requirement for such Fiscal Year; provided that the Consulting Engineer's or Certified Public Accountant's certificate shall not project any increase in Rates and Charges during the first full Fiscal Year of the projection period which has not been adopted by the City and approved by the Public Utilities Commission for such Fiscal Year on or before the date of such certificate;
- (v) if on the date of issuance of such Series of Bonds the City has any outstanding obligation to replenish the Debt Service Reserve Fund under Section 508(4), evidence that the City has made at least one monthly payment with respect to such obligation on or before the date required thereunder; and

- (vi) a certificate of an Authorized Officer stating that, as of the date of delivery of such Bonds, no Event of Default, as described in Section 701, has occurred and is continuing.
- (vii) evidence that all regulatory approvals required to issue the Bonds or to collect fees and charges sufficient to pay the Bonds have been obtained.

Section 206. Special Conditions Precedent to the Delivery of Refunding Bonds.

(1) One or more Series of Refunding Bonds may be issued in accordance with this Section for the purpose of refunding all or any part of the Bonds of one or more Series Outstanding.

(2) A Series of Refunding Bonds shall be executed by the City and delivered to the Authenticating Agent for such Series of Bonds and by it authenticated and delivered to or upon the written order of the City, but only upon receipt by the Trustee of the documents required for the issuance of Bonds set forth in the Indenture, provided that in lieu of the certificate satisfying the conditions of Section 205(2)(iv) the City may deliver to the Trustee a certificate of an Authorized Officer setting forth the Debt Service Fund Requirement for each Fiscal Year in which Bonds are or will be Outstanding (a) computed immediately prior to the delivery of such Refunding Bonds and (b) computed immediately after the delivery of such Refunding Bonds, and stating that the Debt Service Fund Requirement in each Fiscal Year in which Bonds will be Outstanding as computed in clause (b) of this sentence will not be greater than the Debt Service Fund Requirement in each such Fiscal Year as computed in clause (a) of this sentence.

Section 207. Bond Anticipation Notes. Whenever the City shall authorize the issuance of a Series of Bonds, the City may by resolution authorize the issuance of notes (and renewals thereof) in anticipation of such Series. The principal of and interest on such notes and renewals thereof shall be payable from any moneys of the City pledged therefor, from the proceeds of such notes or from the proceeds of the sale of the Series of Bonds in anticipation of which such notes are issued. The proceeds of such Bonds may be pledged for the payment of the principal of and interest on such notes and any such pledge shall have a priority over any other pledge of such proceeds created by the Indenture. Subject to Section 607, the City may also pledge the Revenues to the payment of such notes. A copy of the resolution of the City authorizing such notes shall be delivered to the Trustee immediately following adoption, together with such other information concerning such notes as the Trustee may reasonably request.

Section 208. Additional Security. In addition to the security provided for the Bonds hereunder, in connection with the initial issuance of any Series of Bonds hereunder, the City may obtain or cause to be obtained letters of credit, lines of credit, insurance or similar obligations, agreements or instruments ("Additional Security") securing or providing for the payment of all or a portion of the Principal Installments or Redemption Price of, or interest due or to become due on, such Bonds or providing for the purchase of such Bonds or a portion thereof by the issuer or

obligor of any such Additional Security. In connection therewith the City may enter into such agreements with the issuer of or obligor on such Additional Security providing for, among other things, the payment of fees and expenses to such issuer or obligor for the issuance of such Additional Security, which fees and expenses may be Costs of Issuance or Operating Expenses as appropriate, the terms and conditions of such Additional Security and the Series of Bonds affected thereby, and the security, if any, to be provided for the issuance of such Additional Security and the payments of such fees and expenses or the obligations of the City with respect thereto.

In addition to any security permitted hereunder, the City may secure its obligations with respect to any Additional Security by an agreement providing for the purchase of the Series of Bonds secured thereby with such adjustments to the rate of interest, method of determining interest, maturity, or redemption provisions as specified by the City in the applicable Supplemental Indenture. The City may also in an agreement with the issuer of or obligor on such Additional Security agree to directly reimburse ("Reimbursement Obligations") such issuer or obligor for amounts paid under the terms of such Additional Security, together with interest thereon. Such Reimbursement Obligations may be secured by a lien on Revenues which, upon payment of amounts payable under the terms of such Additional Security and application of such amounts as provided in the agreements providing therefor, may be on a parity with the lien created by Section 501 hereof. So long as no amounts shall be paid under such Additional Security and such Reimbursement Obligations shall remain contingent, such Reimbursement Obligations shall not be taken in account hereof under the provisions of Section 603, provided the issuer of or obligor on such Additional Security may be deemed a Holder hereunder, including the Holder of all Bonds secured thereby, for the purposes of voting, giving consents, receiving notices and otherwise as may be specified in the applicable Supplemental Indenture. Upon the payment of amounts under the Additional Security which results in a Reimbursement Obligation becoming due and payable, such Reimbursement Obligation shall be deemed a Bond Outstanding hereunder for the purposes of Section 603 and for such other purposes hereunder as may be specified in the applicable Supplemental Indenture.

Section 209. Subordinated Bonds.

(1) The City may, subject to the conditions set forth in this Section 209, from time to time issue bonds which shall be secured by a pledge of the Trust Estate that is subordinate to the pledge effected by Section 501 hereof for the benefit of Bonds. Such Subordinated Bonds shall contain an express statement to the effect that payment of the principal of and interest on such Subordinated Bonds is subordinate in all respects to the payment of the principal of and interest on Bonds and that the lien and security interest on the Trust Estate established for the benefit of such Subordinated Bonds is subordinate in all respects to the lien and security interest on the Trust Estate created for the benefit of Bonds. Funds on deposit in the Debt Service Reserve Fund shall be excluded from the Trust Estate pledged for the benefit of such Subordinated Bonds and shall not be applied to the payment of principal of or interest on such Subordinated Bonds. The Supplemental Indenture with respect to any Subordinated Bonds may establish separate reserves

for the benefit of such Subordinated Bonds (which may be excluded from the Trust Estate pledged for the benefit of Bonds), shall specify the terms and conditions applicable to such Subordinated Bonds, and shall make such amendments to this Indenture as are certified by an Authorized Officer of the City to be necessary to provide for the issuance of Subordinated Bonds, the payment thereof and the default and remedies provisions applicable thereto and to effect the subordination of payments with respect to such Subordinated Bonds to payments due on the Bonds.

(2) In the event that one or more Series of Outstanding Bonds has been assigned a rating by any Rating Agency, no Subordinated Bonds shall be issued pursuant to this Section 209 unless the City has provided (i) evidence to the Trustee that either (a) each such Rating Agency has confirmed in writing that such issuance of Subordinated Bonds will not adversely affect the ratings on each such Series of Outstanding Bonds provided by such Rating Agency or (b) each such Rating Agency has issued a rating on such Subordinated Bonds which is no lower than the rating assigned by such Rating Agency to any Series of Outstanding Bonds (which rating in each case is not based on Additional Security, if any, provided for such Series of Subordinated Bonds or Series of Outstanding Bonds, as applicable) prior to such issuance or (ii) any other evidence satisfactory to the Trustee that such adjustment will not adversely affect the then current ratings, if any, assigned to any Outstanding Bonds by any Rating Agency. In the event that Outstanding Bonds have not been assigned a rating by any Rating Agency, any issuance of Subordinated Bonds under this Section 208 shall be conditioned upon the written approval of the Agency.

ARTICLE III

GENERAL TERMS AND PROVISIONS OF BONDS

Section 301. Place and Medium of Payment, Form and Date.

(1) The Bonds of each Series shall be payable in any coin or currency of the United States of America which at the time of payment is legal tender for public and private debts at the office of such Paying Agents as is specified in the applicable Supplemental Indenture. The interest on any Bonds may be paid by check, draft, wire transfer or other means as specified in the applicable Supplemental Indenture. The City may make provisions in the applicable Supplemental Indenture with respect to record dates for purposes of determining registered Holders for purposes of paying interest on any Bond.

(2) Unless otherwise provided in the applicable Supplemental Indentures the Bonds of each Series shall be issued in the form of fully registered bonds without coupons payable to a named person or registered assigns. All Bonds shall each be in the denomination of \$5,000 or any whole multiple thereof and shall be in the form provided in the applicable Supplemental Indenture. The City may provide in the applicable Supplemental Indenture for the issuance of the Bonds so authorized in book-entry form or in denominations less or more than \$5,000 upon the

terms and conditions set forth therein together with such modifications to this Indenture as are necessary to the issuance of such Series of Bonds in such form.

(3) Bonds of each Series shall be dated as of the date or dates provided in the applicable Supplemental Indenture. Unless otherwise provided in the Supplemental Indenture, all Bonds of each Series shall bear interest from their date.

Section 302. Legends. The Bonds of each Series may contain or have endorsed thereon such provisions, specifications and descriptive words not inconsistent with the provisions of the Indenture as may be necessary or desirable to comply with custom, the rules of any securities exchange, commission or board or brokerage board, or otherwise, as may be determined by the City prior to the authentication and delivery thereof.

Section 303. Execution and Authentication.

(1) The Bonds shall be executed in the name of the City by the manual or facsimile signature of the Mayor of the City and countersigned by the City Treasurer of the City (or by such other officers as may be authorized or required to execute the bonds under the Act) and its seal (or a facsimile thereof) shall be thereunto affixed, imprinted, engraved or otherwise reproduced, and attested by the manual or facsimile signature of such officer. In case any one or more of the officers who shall have signed or sealed any of the Bonds shall cease to be such officer before the Bonds so signed and sealed shall have been actually authenticated and delivered by the Authenticating Agent for such Bonds, such Bonds may, nevertheless, be authenticated and delivered as herein provided, and may be issued as if the persons who signed or sealed such Bonds had not ceased to hold such offices. Any Bond of a Series may be signed and sealed on behalf of the City by such persons as at the actual time of the execution of such Bond shall be duly authorized or hold the proper office in the City, although at the date of the execution of the Bonds of such Series such persons may not have been so authorized or have held such office.

(2) The Bonds of each Series shall bear thereon a certificate of authentication, in substantially the following form, executed manually by the Authenticating Agent for such Series as specified in the applicable Supplemental Indenture. Only such Bonds as bear such certificate of authentication shall be entitled to any right or benefit under the Indenture and no Bond shall be valid or obligatory for any purpose until such certificate of authentication shall have been duly executed by the Trustee or such Authenticating Agent. Such certificate of the Authenticating Agent upon any Bond shall be conclusive evidence that the Bond so authenticated has been duly authenticated and delivered under the Indenture and the registered owner thereof is entitled to the benefits of the Indenture:

Certificate of Authentication

This bond is one of the Bonds described in the within-mentioned Indentures.

(Corporate name of Authenticating Agent)

By _____
Authorized Signatory

Section 304. Interchangeability of Bonds. Bonds, upon surrender thereof at the office of the Trustee, or, when authorized by the applicable Supplemental Indenture, any Paying Agent, with a written instrument of transfer satisfactory to the Trustee or such Paying Agent, duly executed by the Holder or his duly authorized attorney, may, at the option of the Holder thereof, be exchanged for an equal aggregate Principal Amount of Bonds of the same Series and maturity of any other authorized denomination.

Section 305. Negotiability, Transfer, and Registry.

(1) All the Bonds issued under the Indenture shall be negotiable, subject to the provisions for registration and transfer contained in the Indenture and in the Bonds. So long as any of the Bonds shall remain Outstanding, the City shall maintain and keep, at the Principal Office of the Trustee, who shall be registrar for the Bonds, books for the registration and transfer of each Series of Bonds; and upon presentation thereof for such purpose at said office, or at the Principal Office of such other Paying Agent, if any, as may be specified in the applicable Supplemental Indenture, the City shall register or cause to be registered therein, and permit to be transferred thereon, under such reasonable regulations as it or the Trustee or Paying Agent may prescribe, any Bond entitled to registration or transfer.

(2) Each Bond shall be transferable only upon the books of the City in the manner provided in the form of such Bonds. As to any Bond, the City and each Fiduciary may deem and treat the person in whose name the Bond shall be registered upon the books of the City as the absolute owner of such Bond, whether such Bond shall be overdue or not for the purpose of receiving payment of, or on account of, the Principal Amount or Redemption Price of and interest on such Bond and for all other purposes, and neither the City nor any Fiduciary shall be affected by any notice to the contrary. The City, to the extent permitted by law, agrees to indemnify and save each Fiduciary harmless from any and all loss, expense, judgment of liability incurred by it, acting in good faith and without gross negligence hereunder, in so treating such registered owner.

(3) All Bonds surrendered in any exchange or transfer of Bonds shall forthwith be canceled by the Authenticating Agent. For every such exchange or transfer of Bonds, whether temporary or definitive, the City, the Trustee or the Authenticating Agent for the Bonds of such

Series may make a charge sufficient to reimburse it for any tax or other governmental charge required to be paid with respect to such exchange or transfer. The City shall not be obligated to make any such exchange or transfer of Bonds of any Series during the 10 days next preceding an interest or Principal Installment payment date of the Bonds of such Series or, in the case of any proposed redemption of Bonds of such Series, next preceding the date of the mailing of notice of such redemption, and shall not be obligated to make any exchange or transfer of Bonds called for redemption except as provided in Section 406.

Section 306. Bonds Mutilated, Destroyed, Stolen or Lost. In case any Bond shall become mutilated or be destroyed, stolen or lost, the City shall execute, and thereupon the Authenticating Agent for the Bonds of such Series shall authenticate and deliver, a new Bond of like Series, maturity and Principal Amount as the Bond so mutilated, destroyed, stolen or lost, in cancellation and substitution for such mutilated Bond, (upon surrender and cancellation of such mutilated Bond) or in lieu of and substitution for the Bond destroyed, stolen or lost, (upon filing with the Authenticating Agent evidence satisfactory to the City and the Authenticating Agent that such Bond has been destroyed, stolen or lost and proof of ownership thereof) and upon furnishing the City, the Trustee and the Authenticating Agent with indemnity satisfactory to them and complying with such other reasonable regulations as the City, the Trustee or such Authenticating Agent may prescribe and paying such fees and expenses as the City, the Trustee or such Authenticating Agent may incur including the expenses, if any, of printing and delivering such new Bond. All Bonds so surrendered shall be canceled by the Authenticating Agent. The Authenticating Agent shall advise the applicable Paying Agents of the issuance of substitute Bonds.

Section 307. Preparation of Definitive Bonds, Interim Receipts and Temporary Bonds. Subject to the applicable Supplemental Indenture, until the definitive Bonds of any Series are prepared, the City may execute and, upon the written request of the City, the Authenticating Agent for such Series shall authenticate and deliver, in lieu of definitive Bonds, one or more interim receipts, or one or more temporary Bonds, substantially of the tenor of such definitive Bonds, (but with such registration provisions as the City may provide) and with such omissions, insertions and variations as may be appropriate for temporary Bonds. The City at its own expense shall prepare and execute and, upon the surrender at the Principal Office of the Authenticating Agent of such interim receipts and of such temporary Bonds, for exchange and cancellation, the Authenticating Agent shall authenticate and, without charge to the registered owner thereof, deliver in exchange therefor, definitive Bonds, of the same aggregate Principal Amount and Series and maturity as the interim receipt or temporary Bonds surrendered. Until so exchanged, the interim receipt and temporary Bonds shall in all respects be entitled to the same benefits and security as definitive Bonds authenticated and issued pursuant to the Indenture. All interim receipts and all temporary Bonds surrendered in exchange for a definitive Bond or Bonds shall be forthwith canceled by the Authenticating Agent.

Section 308. Cancellation of Bonds. All Bonds redeemed or paid by the City or any Fiduciary, or received by any Fiduciary on any transfer or exchange of Bonds, interim receipts or temporary Bonds, shall be canceled by it and delivered to the Trustee. Except as may be provided in the applicable Supplemental Indentures all Bonds purchased, redeemed or paid by any Fiduciary shall be canceled by it and delivered to the Trustee. No such Bonds shall be deemed Outstanding under the Indenture and no Bonds shall be issued in lieu thereof. All such canceled Bonds and all other Bonds canceled by any Fiduciary pursuant to the Indenture shall upon order of the City be destroyed by the Trustee and a certificate thereof delivered to the City.

ARTICLE IV

REDEMPTION OF BONDS

Section 401. Privilege of Redemption and Redemption Price. Bonds subject to redemption prior to maturity pursuant to a Supplemental Indenture shall be redeemable, upon mailed notice as provided in this Article IV, at such times, at such Redemption Prices and upon such terms (in addition to and consistent with the terms contained in this Article IV) as may be specified in the applicable Supplemental Indenture.

Section 402. Redemption at the Election of the City. In the case of any redemption of Bonds otherwise than as provided in Section 403, the City shall give written notice to the Trustee of its election so to redeem, of the redemption date, of the Series and of the Principal Amount of the Bonds of each maturity of such Series to be redeemed (which Series, maturities and Principal Amount shall be determined by the City in its sole discretion, subject to any limitations with respect thereto contained herein and in any Supplemental Indenture). Such notice shall be given at least forty-five (45) days prior to the redemption date or such shorter period as shall be acceptable to the Trustee. In the event notice of redemption shall have been given as provided in Section 405, the Trustee shall, on or before the redemption date, pay out of the moneys available therefor to the appropriate Paying Agent or Paying Agents an amount which, in addition to other moneys, if any, available therefor held by such Paying Agent or Paying Agents, will be sufficient to redeem on the redemption date at the Redemption Price thereof, all of the Bonds to be redeemed.

Section 403. Redemption Otherwise Than at City's Election. Whenever by the terms of the Indenture and the applicable Supplemental Indenture Bonds of a Series are required to be redeemed otherwise than at the election of the City, the Trustee shall select the Bonds to be redeemed, give the notice of redemption and pay out of the moneys available therefor the Redemption Price to the appropriate Paying Agents in accordance with the terms of this Article IV and, to the extent applicable, Section 506.

Section 404. Selection of Bonds to be Redeemed by Lot. Except as otherwise provided in a Supplemental Indenture with respect to a particular Series of Bonds, in the event of redemption of less than all the Outstanding Bonds of like Series and maturity, the Trustee shall

select by lot, in such manner in its discretion as it shall deem appropriate and fair, the numbers of the Bonds to be redeemed and the portions of any thereof to be redeemed in part. Bonds of denominations of more than the applicable minimum denomination, if any, may be redeemed either as a whole or in part (which part must be in the amount of the applicable minimum denomination, if any, or an integral multiple thereof). For the purposes of this Section 404, Bonds, or portions thereof, which have theretofore been selected for redemption shall not be deemed Outstanding.

Section 405. Notice of Redemption. When the Trustee shall receive notice from the City of its election to redeem Bonds pursuant to Section 402, and when redemption of Bonds is required by the Indenture and the applicable Supplemental Indenture pursuant to Section 403, the Trustee shall give notice, in the name of the City, of the redemption of such Bonds, which notice shall specify the Series and maturities of the Bonds to be redeemed, the redemption date and the place or places where amounts due upon such redemption will be payable and, if less than all of the Bonds of any like Series and maturity are to be redeemed, the letters and numbers or other distinguishing marks of such Bonds so to be redeemed, and, in the case of Bonds to be redeemed in part only, the respective portions of the Principal Amount thereof to be redeemed. The Trustee shall mail a copy of such notice, postage prepaid, not less than 25 days before the redemption date (provided that, if the City notifies the Trustee in writing in connection with the redemption of Bonds issued to secure the City's repayment obligations with respect to one or more Agency Loan Agreements that notice of redemption must be mailed at a reasonable date, the Trustee shall mail such notice no later than the date specified by the City) to the Holders of any Bonds or portions of Bonds which are to be redeemed at their last address, if any, appearing upon the registration books for such Series of Bonds. Failure to so mail any such notice to any one Holder or any defect in such notice shall not affect the validity of the proceedings for the redemption of Bonds owned by any other Holder to whom the required notice has been given, nor shall the Trustee bear any liability therefor or in connection therewith.

Section 406. Payment of Redeemed Bonds. Notice having been given in the manner provided in Section 405, the Bonds or portions thereof so called for redemption shall become due and payable on the redemption date so designated at the Redemption Price, plus interest, if any, accrued and unpaid to the redemption date, and, upon presentation and surrender thereof at the office specified in such notice, such Bonds, or portions thereof, shall be paid at the Redemption Price plus interest, if any, accrued and unpaid to the redemption date. If there shall be called for redemption less than all of a Bond, the City shall execute and the Authenticating Agent for such Bonds shall authenticate and deliver, upon the surrender of such Bond, without charge to the Holder thereof, for the unredeemed balance of the Principal Amount of the Bond so surrendered, Bonds of like Series and maturity in any of the authorized denominations. If, on the redemption date, sufficient moneys for the redemption of all the Bonds or portions thereof to be redeemed, together with interest to the redemption date, shall be held by the Paying Agents so as to be available therefor on said date and if notice of redemption shall have been given as aforesaid, then, from and after the redemption date interest on the Bonds or portions thereof so called for redemption shall cease to accrue and become payable. If said moneys shall not be available on

the redemption date, such Bonds or portions thereof shall continue to accrue interest until paid at the same rate or yield, as applicable, and in the same manner as they would have borne had they not been called for redemption.

ARTICLE V

ESTABLISHMENT OF FUNDS AND APPLICATION THEREOF

Section 501. The Pledge Effected by the Indenture. There are pledged pursuant to the Indenture for the payment of the Principal Amount and Redemption Price of and interest on the Bonds and, subject to the provisions of Section 209, Subordinated Bonds, in each case, subject to the provisions of the Indenture permitting the application thereof for the purposes and on the terms and conditions set forth in the Indenture, (i) subject to Section 207, the proceeds of Sale of the Bonds, (ii) all Revenues, and (iii) all moneys, securities and Reserve Deposits in all funds and accounts established by or pursuant to the Indenture except the Operating Fund, the Rebate Fund and the Unrestricted Fund. The Bonds and Subordinated Bonds shall be limited obligations of the City payable solely from the Revenues and funds and accounts pledged hereunder. The Bonds and Subordinated Bonds and the obligations evidenced thereby shall not constitute a general indebtedness or a pledge of the full faith and credit of the City within the meaning of any constitutional or statutory provision. No Bondholder shall ever have the right, directly or indirectly, to require or compel the exercise of the taxing power of the City for the payment of the Bonds, Subordinated Bonds or any obligation of the City hereunder. The Bonds and Subordinated Bonds and the obligations evidenced thereby shall not constitute a lien or encumbrance on any property of or in the City other than the Revenues and funds pledged hereunder. Neither the State nor any political subdivision thereof or city or town therein, other than the City, shall be obligated to pay the Bonds or Subordinated Bonds and neither the faith and credit nor the taxing power of the State or any political subdivision thereof or city or town therein is pledged to the payment of the Bonds or Subordinated Bonds.

Section 502. Establishment of Funds and Accounts. The following funds shall be established to be held by the Trustee, except the Operating Fund, the Insurance Reserve Fund, and the Unrestricted Fund, which shall be held by the City in the custody of one or more banks selected by the City (including but not limited to the Trustee or any Depository) and the Revenue Fund, which, prior to the occurrence of any Event of Default hereunder, shall be under the exclusive control of the City, and which shall be held by the Trustee upon the occurrence of any Event of Default hereunder:

- (i) Project Fund
- (ii) Revenue Fund
- (iii) Operating Fund
- (iv) Debt Service Fund
- (v) Redemption Fund
- (vi) Debt Service Reserve Fund

- (vii) Rebate Fund
- (viii) Operation and Maintenance Reserve Fund
- (ix) Insurance Reserve Fund
- (x) Unrestricted Fund

There shall be established in the Project Fund an Infrastructure Replacement Account and a Renewal and Replacement Account. There shall be established within the Operating Fund separate accounts to be known as the Operating Account, the Working Capital Account, the Chemical Account and the Rate Case Account. There shall be established within the Debt Service Fund separate accounts to be known as the Debt Service Account, the Stabilization Account and the Debt Service Assistance Account. The City may establish, in connection with the issuance of one or more Series of Bonds or Subordinated Bonds, or pursuant to an order of the Public Utilities Commission, additional funds or accounts hereunder to be held for the benefit of one or more Series of Bonds or Subordinated Bonds and subaccounts within the funds and accounts established hereunder, as set forth in Supplemental Indentures. Any fund or account established pursuant to an order of the Public Utilities Commission may be closed with the approval of the Public Utilities Commission.

Section 503. Project Fund.

(1) The Supplemental Indenture for any Series of Bonds or Subordinated Bonds issued in whole or in part to pay the Cost of any Project may establish within the Project Fund one or more separate accounts (herein called "Project Accounts") for such Series of Bonds or Subordinated Bonds.

(2) There shall be deposited in each Project Account (i) the amount, if any, provided in the applicable Supplemental Indenture to be deposited therein to pay the Costs of the Projects financed by such Series, and (ii) any other amounts (not required by the Indenture to be otherwise deposited), as determined by the City, including without limitation the proceeds of any loan made or bonds sold under any Agency Loan Agreement which the City elects to deposit in the Project Account pending disbursement thereof to the extent permitted by the Agency.

(3) Amounts in any Project Account shall be disbursed to or upon the order of the City to be applied to the Cost of the Projects financed in whole or in part by such Series upon receipt by the Trustee of one or more requisitions, in form annexed to and incorporated into the Supplemental Indenture, subject to any additional requirements imposed by the applicable Supplemental Indenture, signed by an Authorized Officer (who for purposes of this Section 503 shall be the Public Works Director of the City or such other person as the City Council may authorize). Upon completion of any Project the Costs of which are payable from a Project Account, the City shall file with the Trustee a certificate of an Authorized Officer, approved by a Consulting Engineer, setting forth the final Cost of such Project and stating (i) that such Project has been completed to the satisfaction of the City and (ii) that all amounts withdrawn from the applicable Project Account with respect to such Project have been applied to the Cost of such

Project. Such certificate shall further set forth the balance, if any, remaining in the applicable Project Account not required for the payment of Costs of such Project. Any such balance shall be applied by the Trustee, at the written direction of an Authorized Officer of the City and subject to the requirements of any Supplemental Indenture (i) to the Cost of other Projects payable from such Project Account, (ii) to the Cost of other Capital Improvements, including Projects, by deposit of such amount in another and separate Project Account or (iii) to the redemption of the Bonds or Subordinated Bonds of the Series for which such Project Account was established by deposit of such amount in the Redemption Fund; provided that, in the case of proceeds of any Series of Agency Bonds, such amount shall be applied as provided in Section 503(3)(iii) unless the City shall have received the written approval of the Agency of another use permitted under this subsection. Notwithstanding the foregoing, if at any time the amount on deposit and available therefor in the Debt Service Fund, including the Debt Service Assistance Account, Redemption Fund and Debt Service Reserve Fund Account is insufficient to pay the Principal Installments and Redemption Price of and interest on the Bonds then due, the Trustee shall transfer from any unencumbered moneys on deposit in the Project Accounts (in such order of priority as the City by certificate of an Authorized Officer shall direct) to the Debt Service Fund the amount necessary to meet the deficiency.

(4) Upon the determination by the City that a Project undertaken or to be undertaken has been or should be delayed and that no further amounts or significantly reduced amounts are required therefor from the applicable Project Account, the City may, subject to the requirements of any Supplemental Indenture, direct the Trustee in writing to transfer or apply amounts then on deposit in the applicable Project Account (i) to the payment of Costs of other Projects payable from such Project Account, (ii) to another and separate Project Account or Capital Improvement Account, (iii) to the Redemption Fund for application to the redemption of Bonds or Subordinated Bonds of the Series for which such Project Account was established; provided that, in the case of proceeds of any Series of Agency Bonds, such amount shall be applied as provided in Section 503(4)(iv) unless the City shall have received the written approval of the Agency of another use permitted under this subsection.

(5) At any time that the City determines to undertake Capital Improvements to be financed by Revenues, the City may direct the Trustee in writing to establish within the Project Fund one or more separate accounts (herein called "Capital Improvement Accounts") for such Capital Improvements. There shall be deposited in any such Capital Improvement Account (i) any amounts withdrawn from the Revenue Fund for deposit therein pursuant to Section 504 and (ii) any other amounts (not required by the Indenture to be otherwise deposited) as determined by the City and certified in writing to the Trustee. Amounts in a Capital Improvement Account shall be disbursed to or upon the order of the City to be applied to the Cost of the Capital Improvements for which such account was established upon receipt by the Trustee of one or more requisitions, in form as attached or annexed to the Supplemental Indenture and incorporated therein by reference, signed by an Authorized Officer. Subject to Section 510 hereof, upon completion of such Capital Improvements, or upon a determination by the City that a Capital Improvement undertaken or to be undertaken has been or should be abandoned or

delayed and that no further amounts or significantly reduced amounts are required therefore from the applicable Capital Improvement Account, the City may direct the Trustee in writing to transfer amounts then on deposit in the applicable Capital Improvement Account (i) to another and separate Capital Improvement Account or (ii) to the Revenue Fund. Notwithstanding the foregoing, if at any time the amount on deposit and available therefore in the Debt Service Fund, including the Debt Service Assistance Account, Redemption Fund and Debt Service Reserve Fund, is insufficient to pay the Principal Installments and Redemption Price of and interest on the Bonds then due, the Trustee shall transfer from any unencumbered moneys on deposit in the Capital Improvement Accounts (in such order of priority as the City by certificate of an Authorized Officer shall direct) to the Debt Service Fund, the amount necessary to meet the deficiency.

(6) The City may establish in the Supplemental Indenture for any Series of Bonds or Subordinated Bonds a separate account (herein called "Cost of Issuance Account") within the Project Fund and shall deposit in the Cost of Issuance Account for such Series any proceeds of such Series as directed by such Supplemental Indenture and any other moneys not otherwise directed to be applied by the Indenture. Amounts in a Cost of Issuance Account shall be disbursed to or upon the written order of the City without requisition to be applied to Costs of Issuance of the applicable Series of Bonds or Subordinated Bonds. Any balance remaining in a Cost of Issuance Account upon payment of or provision for all Costs of Issuance to be paid therefrom shall be transferred by the Trustee, upon the written direction of an Authorized Officer of the City, to (i) one or more Project Accounts established for the applicable Series of Bonds or Subordinated Bonds or (ii) the Revenue Fund.

Section 504. Revenue Fund.

(1) All Revenues, except (i) proceeds of insurance and condemnation to the extent provided in Section 606, (ii) proceeds of any sale or other disposition of any part of the System to the extent provided in Section 604, (iii) earnings on investment of the funds and accounts hereunder to the extent provided in Section 512 hereof and (iv) Debt Service Assistance deposited in the Debt Service Assistance Account as provided in Section 506, shall be collected by or for the account of the City and deposited by or on behalf of the City as promptly as practicable in the Revenue Fund. There shall also be deposited in the Revenue Fund any other moneys so directed by the Indenture and any other moneys of the City which the City may in its discretion determine to so apply unless required to be otherwise applied by the Indenture.

(2) On the last Business Day of each calendar month, the City shall apply amounts available in the Revenue Fund to the following purposes and in the following order:

- (i) To the City for deposit in the Operating Account of the Operating Fund, the amount specified by an Authorized Officer in accordance with Section 608; provided that if no amount has been specified by such Authorized Officer, the Operating Expenses for such month shall be deemed to be 125% of the Operating

- Expenses expended in the same calendar month in the preceding year or such lesser amount as an Authorized Officer shall certify in writing to the Trustee, but in no event less than 100% of such amount;
- (ii) To the Debt Service Account within the Debt Service Fund, an amount, which together with other amounts on deposit in such Fund, will equal the Debt Service Fund Requirement as of the first day of the next ensuing month;
 - (iii) To the Rebate Fund the amount which together with the amounts on deposit therein will equal the Rebate Requirement as of such day;
 - (iv) Subject to Section 508, to the Debt Service Reserve Fund, an amount which, together with the amounts on deposit therein, will equal the Debt Service Reserve Fund Requirement as of the first day of the next ensuing month;
 - (v) To the Debt Service Assistance Account in the Debt Service Fund an amount specified by an Authorized Officer in a certificate delivered to the Trustee, as amended from time to time;
 - (vi) To the Stabilization Account of the Debt Service Fund such amount, if any designated by the City as further provided in Section 504(4);
 - (vii) Subject to Section 608, to the Operation and Maintenance Reserve Fund, an amount necessary for such Fund to equal the Operation and Maintenance Reserve Fund Requirement as of such day;
 - (viii) To the Commission for deposit in the Insurance Reserve Fund, the amount, if any, determined by the Commission pursuant to Section 606(3) as necessary to maintain such Fund at the Insurance Reserve Fund Requirement;
 - (ix) To the one or more Capital Improvement Accounts, such amount as requested by the City but only upon receipt by the Trustee of (a) a copy of the resolution of the City Council approving the Capital Improvements to be funded in whole or in part from such Accounts, certified by an Authorizing Officer and (b) a certificate of an Authorized Officer stating that such deposit will not impair the ability of the City to either (A) meet the requirements of the Revenue Fund in the succeeding months of such Fiscal Year based on the then current Annual Budget prepared in accordance with Section 608 or (B) satisfy the requirements of Section 603 in the current or next succeeding Fiscal Year;
 - (x) To such other funds or accounts as shall be required by any Supplemental Indenture; and

(xi) To such other funds or accounts established by the City in compliance with applicable law or as required by any order of the Public Utilities Commission.

(3) On the last Business Day of each Fiscal Year, the City shall, after making the deposits required by Sections 504(2), apply amounts available in the Revenue Fund to the following purposes and in the following order:

- (i) To the City for the reimbursement or payment of principal of or interest on general obligation bonds and notes of the City issued to finance System costs paid or payable during the then ending or the next Fiscal Year, as shown on a schedule filed with the Trustee by an Authorized Officer of the City; provided that the City shall have delivered to the Trustee a certificate of an Authorized Officer stating that (A) all funds and accounts established under this Indenture are funded in the amounts required as of the transfer date pursuant to the applicable provisions of this Indenture, (B) the City is in compliance with the terms of Section 603 hereof for the Fiscal Year then ending and (C) such deposit will not adversely affect the ability of the City to fund the funds and accounts established under this Indenture to the amounts required to be funded in the next Fiscal Year.
- (ii) Subject to Section 511 hereof, to the Unrestricted Fund, the amount, if any, directed to be deposited therein in writing by an Authorized Officer.

Subject to subsection (4) of this Section any balance remaining in the Revenue Fund following the above payments shall be retained in the Revenue Fund to be available for payments therefrom in the succeeding months, provided that if the City shall have issued notes in accordance with Section 607(2)(i) or (iii), amounts in the Revenue Fund remaining after the above payments have been made may be used by the City to pay the principal of such notes at maturity or upon earlier redemption.

(4) Notwithstanding the foregoing, in the event that any order of the Public Utilities Commission requires that Revenues be held in a restricted account, the City shall request the Trustee to make such transfers as may be required to comply with any rate order. In the event that Revenues must be restricted in an account for debt service, such monies shall be deposited by the Trustee to the Debt Service Fund Stabilization Account.

(5) If, on the last Business Day of any month, the amounts deposited pursuant to Section 504(2)(ii) are, as of such date of calculation, less than the amounts required to be deposited therein, the Trustee shall promptly notify the Agency of any such deficit.

Section 505. Operating Fund. Amounts in the Operating Fund shall be applied by the City from time to time to Operating Expenses. Amounts in the Operating Fund which the City at any time determines in writing to be in excess of the requirements of such Fund shall be withdrawn and deposited in the Revenue Fund.

Section 506. Debt Service Fund.

(1) The Trustee shall pay out of the Debt Service Account of the Debt Service Fund, including the Debt Service Assistance Account in accordance with a certificate of an Authorized Officer, to the respective Paying Agents (i) on each interest payment date the amount required for the interest and Principal Installments payable on such date and (ii) on each redemption date for any Bonds, other than a redemption date on account of Sinking Fund Payments, the amount required for the payment of interest on the Bonds then to be redeemed; provided that in each case the City may direct the Trustee in writing to make such payments to the Paying Agents on such date prior to the due date as the City determines. The Paying Agents shall apply such amounts to the payment of interest and Principal Installments on and after the due dates thereof.

If on any interest payment date the amount accumulated in the Debt Service Account of the Debt Service Fund, including the Debt Service Assistance Account, for either of the purposes specified above exceeds the amount required therefor, the City may direct the Trustee in writing to deposit such excess in the Stabilization Account, the Redemption Fund or, in its discretion consistent with any order of the Public Utilities Commission, in the Revenue Fund. The Trustee shall also pay out of the Debt Service Fund, including the Debt Service Assistance Account in accordance with a certificate of an Authorized Officer, accrued interest included in the purchase price of Bonds purchased for retirement under any provision of the Indenture.

(2) Amounts accumulated in the Debt Service Fund, including the Debt Service Assistance Account in accordance with a certificate of an Authorized Officer, with respect to any Sinking Fund Payment (together with amounts accumulated therein with respect to interest on the Bonds for which such Sinking Fund Payment was established), if so directed in writing by the City, shall be applied by the Trustee prior to the 45th day preceding the due date of such Sinking Fund Payment, to (i) the purchase of Bonds of the Series and maturity for which such Sinking Fund Payment was established, at prices not exceeding the applicable sinking fund Redemption Price plus interest on such Bonds to the first date on which such Bonds could be redeemed (or in the case of a Sinking Fund Payment due on the maturity date, the Principal Amount thereof plus interest to such date), such purchases to be made as directed in writing by the City or otherwise in such manner as the Trustee shall determine, or (ii) the redemption, pursuant to Section 402, of such Bonds then redeemable by their terms. The applicable Redemption Price or Principal Amount (in the case of maturing Bonds) of any Bonds so purchased or redeemed shall be deemed to constitute part of the Debt Service Fund until such Sinking Fund Payment date for the purpose of calculating the amount of such Fund. As soon as practicable after the 45th day preceding the due date of any such Sinking Fund Payment, the Trustee shall proceed (by giving notice as provided in Section 405) to call for redemption on such due date Bonds of the Series and maturity for which such Sinking Fund Payment was established (except in the case of Bonds maturing on a Sinking Fund Payment date) in such amount as shall be necessary to complete the retirement of the Principal Amount of the Bonds of such Series and maturity as specified for such Sinking Fund Payment in the applicable Supplemental Indenture, and whether or not the balance in the Debt Service Fund is sufficient to pay all such Bonds. The Trustee shall pay out of the

Debt Service Fund, including the Debt Service Assistance Account in accordance with a certificate of an Authorized Officer, to the appropriate Paying Agents, on or before such redemption date or maturity date, the amount required for the redemption of the Bonds so called for redemption or for the payment of such Bonds then maturing, and such amount shall be applied by such Paying Agents to such redemption or payment.

(3) In satisfaction, in whole or in part, of any amount required to be paid into the Debt Service Fund pursuant to Section 504(2)(ii) which is attributable to a Sinking Fund Payment, there may be delivered on behalf of the City to the Trustee Bonds of the Series and maturity entitled to such payment. All Bonds so delivered to the Trustee in satisfaction of a Sinking Fund Payment shall reduce the amount thereof by the amount of the aggregate of the sinking fund Redemption Prices of such Bonds.

(4) Notwithstanding anything to the contrary contained in this Section, the Trustee shall not purchase or accept Bonds in lieu of any Sinking Fund Payment during the period of 45 days prior to the due date of any Sinking Fund Payment.

(5) The City may establish in any Supplemental Indenture a separate account (herein called "Capitalized Interest Account") within the Debt Service Fund and may deposit in the Capitalized Interest Account any proceeds of Bonds as directed by such Supplemental Indenture and any other moneys not otherwise directed to be applied by the Indenture. Amounts in the Capitalized Interest Account shall be applied to the payment of interest on the Bonds and as otherwise provided in the applicable Supplemental Indenture.

(6) Amounts in the Stabilization Account shall be invested in Permitted Investments at a yield not in excess of the yield permitted by nationally recognized bond counsel or in Permitted Investments described in paragraph (iv) of the definition thereof the interest on which is excluded from income for purposes of federal income taxation and not subject to the alternative minimum tax.

The Trustee shall apply monies on deposit in the Stabilization Account as follows:

(i) to any shortfall in the Debt Service Account of the Debt Service Fund after deposit of monies from the Revenue Fund but before transfers from the Debt Service Revenue Fund, on the Business Day prior to the date on which any payment of principal or interest on any Bonds is due and payable;

(ii) to any shortfall in the Debt Service Reserve Fund;

(iii) to fund capitalized interest and to fund the Debt Service Reserve Fund Requirement on any future series of Bonds, as requested by the City;

(iv) to the Redemption Fund, as requested by the City;

(v) to the City for reimbursement or payment of principal of or interest on general obligation bonds and notes of the City to finance System costs paid or payable during the then ending fiscal year; provided that the City shall have delivered to the Trustee a certificate of an Authorized Officer stating that (A) all funds and accounts established under this Indenture are funded in the amounts required as of the transfer date pursuant to the applicable provisions of this Indenture, (B) the City in compliance with the terms of Section 503 hereof for the Fiscal Year then ending and (C) such deposit will not adversely affect the ability of the City to fund the funds and accounts established under this Indenture to the amounts required to be funded in the next Fiscal Year; and

(vi) to such other purposes as the City may direct, not inconsistent with any order of the Public Utilities Commission.

(7) The City shall deposit Debt Service Assistance to the Debt Service Assistance Account in the Debt Service Fund to be applied by the Trustee in accordance with a certificate of an Authorized Officer, as amended from time to time. Notwithstanding anything herein to the contrary, amounts received by the City on account of Debt Service Assistance shall be spent in accordance with any appropriation or agreement governing such assistance. To the extent that the City has transferred monies to the Debt Service Assistance Account from the Revenue Fund in anticipation of the receipt of Debt Service Assistance pursuant to Section 504(2)(v), once the Debt Service Assistance is received, an amount equal to such Debt Service Assistance received, but not in excess of the amount which has been so transferred to the Debt Service Assistance Account pursuant to Section 504(2)(v), shall be redeposited to the Revenue Fund.

(8) The City also may, from time to time, deposit general funds of the City to the Debt Service Assistance Account in the Debt Service Fund in anticipation of Debt Service Assistance to be received to be applied by the Trustee in accordance with a certificate of an Authorized Officer, as amended from time to time; provided that such certificate also shall state that the amount of such deposit, together with other amounts deposited therein in anticipation of Debt Service Assistance not yet received, does not exceed the amount reasonably expected to be received as Debt Service Assistance. Once the anticipated Debt Service Assistance is received, an amount equal to such Debt Service Assistance received, but not in excess of the amount which has been transferred to the Debt Service Assistance Account pursuant to this Section 506(8), shall be transferred back to the City.

Section 507. Redemption Fund.

(1) The City may deposit in the Redemption Fund any moneys, including Revenues, not otherwise required by the Indenture to be deposited or applied elsewhere.

(2) If at any time the amount on deposit and available therefor in the Debt Service Fund, including the Debt Service Assistance Account, is insufficient to pay the Principal Installments and Redemption Price of and interest on the Bonds then due, the Trustee shall withdraw from the Redemption Fund and deposit in the Debt Service Fund the amount necessary to meet the deficiency (other than amounts held therein for the redemption of Bonds for which a notice of redemption shall have already been given by the Trustee). Subject to the foregoing, if at any time the amount on deposit and available therefor in the Operating Fund is insufficient to pay Operating Expenses when due, the Trustee shall withdraw from the Redemption Fund and deposit in the Operating Fund the amount necessary to meet the deficiency (other than amounts held therein for the redemption of Bonds for which a notice of redemption shall already have been given by the Trustee). Subject to the foregoing, amounts in the Redemption Fund may be applied by the City to the redemption of Bonds in accordance with Section 402 and the applicable Supplemental Indenture or, in lieu thereof, to the purchase of Bonds at prices not exceeding the applicable Redemption Prices (plus accrued interest) had such Bonds been redeemed (or, if not then subject to redemption, at the applicable Redemption Prices when next subject to redemption), such purchases to be made by the Trustee at such times and in such manner as directed in writing by the City.

Section 508. Debt Service Reserve Fund.

(1) If at any time the amounts on deposit and available therefor in the Debt Service Fund, including the Debt Service Assistance Account, after application of any funds on deposit in the Stabilization Account pursuant to Section 506(6), and after transfers from the Redemption Fund are insufficient to pay the Principal Installments and Redemption Price of and interest on the Bonds then due, the Trustee shall withdraw from the Debt Service Reserve Fund and deposit in the Debt Service Account of the Debt Service Fund the amount necessary to meet any such deficiency. Amounts so withdrawn shall be derived, first, from cash or Permitted Investments on deposit therein and, second, from draws or demands on Reserve Deposits held as a part thereof upon the terms and conditions set forth in the agreements applicable to any such Reserve Deposits or as otherwise set forth in the Supplemental Indenture providing for such Reserve Deposits.

(2) The City may from time to time provide Reserve Deposits to satisfy the Debt Service Reserve Fund requirement; provided that (A) in the case of a Reserve Deposit described in clause (i) of the definition of Reserve Deposits, the City shall provide evidence reasonably satisfactory to the Agency that such provision will not affect any ratings then in effect on any bonds of the Agency secured by Agency Bonds (without regard to the effect of any credit enhancement of such bonds), and (B) in the case of a Reserve Deposit described in clause (ii) of the definition of Reserve Deposits, the Agency shall approve such Reserve Deposit. If on the last business day of any month or on any day when a new Reserve Deposit is deposited in the Debt Service Reserve Fund, the amount on deposit in the Debt Service Reserve Fund is in excess of the Debt Service Reserve Fund Requirement (calculated as of the first day of the next succeeding month) the Trustee, shall promptly notify the City and, acting in accordance with a certificate of

an Authorized Officer, to the extent of such excess, either (i) transfer cash and Permitted Investments to any Fund or Account established hereunder or (ii) consent to the reduction of the stated amount of any Reserve Deposit or (iii) do any combination of the foregoing.

(3) The Trustee shall determine the amount of cash and Permitted Investments on deposit in the Debt Service Reserve Fund on each interest payment date for the Bonds after any withdrawals have been made on such date. Whenever the Trustee shall determine that the cash and Permitted Investments on deposit in the Debt Service Reserve Fund together with all other funds available for the purpose is equal to or in excess of the Redemption Price of all Bonds Outstanding, the Trustee, at the written direction of the City, shall transfer the balance of such cash and Permitted Investments from the Debt Service Reserve Fund to the Redemption Fund in connection with the redemption of all Bonds Outstanding.

(4) Notwithstanding anything to the contrary in this Indenture or any Supplemental Indenture, if a cash withdrawal is made from the Debt Service Reserve Fund pursuant to Section 508(1) or in the event that the City shall not be in compliance with the Debt Service Reserve Requirement, monthly deposits shall be made to the Debt Service Reserve Fund pursuant to Section 504(2)(iv) on the last Business Day of the calendar month in which the withdrawal is made and on the last Business Day of each of the five succeeding calendar months in an amount equal to one-sixth (1/6) of the amount of such withdrawal. In the event that the Debt Service Reserve Fund Requirement is satisfied in whole or in part by a Reserve Deposit and there shall have been a draw on such Reserve Deposit, the City shall (i) restore the Reserve Deposit within six months of such draw in six equal monthly restorations or (ii) deposit cash in the Debt Service Reserve Fund to replenish the Debt Service Reserve Requirement in accordance with the schedule set forth in the prior sentence. Unless and until the requirements of the preceding two sentences are not met, the difference between the amount of such withdrawals or draws and the amount redeposited or restored to the Debt Service Reserve Fund on account of such withdrawal or draws pursuant to the preceding sentences shall be deemed to be on deposit in the Debt Service Reserve Fund for purposes of calculating compliance with the Debt Service Reserve Fund Requirement.

Section 509. Rebate Fund. If any Series of Bonds or Subordinated Bonds is issued, or becomes, subject to the rebate requirement of Section 148(f) of the Internal Revenue Code of 1986, as amended, the City may, by Supplemental Indenture, activate the Rebate Fund established hereunder, and the Trustee shall then establish a separate Rebate Account within the Rebate Fund for such Series of Bonds or Subordinated Bonds. Funds on deposit in any Rebate Account shall be applied as set forth in the applicable Supplemental Indenture.

Section 510. Operation and Maintenance Reserve Fund.

(a) If any time the amount on deposit and available therefor in the Debt Service Fund, Redemption Fund, Stabilization Fund, Debt Service Reserve Fund, Renewal and Replacement Reserve Fund and Renewal and Replacement Accounts is insufficient to pay the Principal

Installments and Redemption Price of and interest on the Bonds then due, the Trustee shall transfer from the Operation and Maintenance Reserve Fund to the Debt Service Fund the amount necessary to meet the deficiency.

(b) Subject to subsection (a) of this Section, if at any time the amount on deposit in the Operating Fund is insufficient to pay all Operation and Maintenance Expenses then payable, the Trustee, upon receipt of a certificate of an Authorized Officer to that effect, shall withdraw from the Operation and Maintenance Reserve Fund and pay to the City for deposit in the Operating Fund the amount specified in such certificate.

Section 511. Unrestricted Fund. The City may make transfers to the Unrestricted Fund in accordance with Section 504(3)(ii), provided that (1) all funds and accounts established under this Indenture are funded in the amounts required as of the transfer date pursuant to the applicable provision of this Indenture, (2) the City is in compliance with the terms of Section 603 herein for the Fiscal Year then ended and (3) upon certification of an Authorized Officer of the City, such deposit will not adversely affect the ability of the City to comply with the terms of Section 603 hereof in the next ensuing Fiscal Year. Upon certification of an Authorized Officer, the City may make transfers from the Unrestricted Fund to (1) any fund or account established under this Indenture or (2) the General Fund of the City (a) amounts certified by an Authorized Officer as not exceeding the difference between (i) amounts previously deposited to funds established under this Indenture from moneys described in clause (i)(b) of the definition of Revenues and not designated as Revenues thereunder and (ii) amounts previously transferred to the General Fund pursuant to this Section 511, (b) amounts needed to pay debt service on general obligation bonds of the City issued subsequent to the effective date of the Indenture to finance System costs not previously paid or reimbursed under Section 504(3)(1) and (c) amounts necessary to reimburse the City for any fees, expenses, repayments of draws or claims, interest charges or other costs associated with a Reserve Deposit.

Section 512. Investments.

(1) Except as otherwise provided in Section 1101 or subsection 2 of this Section, money held for the credit of any fund or account held by the Trustee under the Indenture shall, to the fullest extent practicable, be invested, either alone or jointly with moneys in any other fund or account, by the Trustee at the written direction of the City Treasurer in Permitted investments which shall mature or be redeemable at the option of the holder thereof, on such dates and in such amounts as may be necessary to provide moneys to meet the payments from such funds and accounts; provided that if moneys in two or more funds or accounts are commingled for purposes of investments, the Trustee shall maintain appropriate records of the Permitted Investments or portions thereof held for the credit of such fund or account. Notwithstanding the foregoing, moneys in the Debt Service Reserve Fund shall be invested solely in the investments specified in paragraphs (i), (ii), (iii), (v), (vi), (vii), (viii), (ix) and (x) of the definition of Permitted Investments. At least one-half of the moneys in the Debt Service Reserve Fund shall be invested in Permitted Investments (a) maturing no later than ten (10) years from the date such Permitted

Investment is acquired by the Trustee or (b) subject to liquidation at par or at the amortized cost thereof, as applicable, at any time application of the moneys so invested is required under the terms of the Indenture. Unless otherwise directed by any Supplemental Indenture, Permitted Investments purchased as an investment of moneys in any fund or account shall be deemed at all times to be a part of such fund or account and all income thereon shall accrue to and be deposited in such fund or account and all losses from investment shall be charged against such fund or account; provided that all income earned on investment of the Redemption Fund, the Debt Service Reserve Fund and the Insurance Reserve Fund shall be credited to and deposited in the Revenue Fund. Notwithstanding any provision herein or in a Supplemental Indenture to the contrary, the Trustee shall not be liable for any losses from investment in accordance with this Section 512. The City may by Supplemental Indenture direct that all or any portion of income earned on investment of moneys allocable to any Series of Bonds in any fund or account established hereunder shall be transferred to the Rebate Account established for such Series of Bonds in the Rebate Fund created under Section 509.

(2) In computing the amount in any fund or account hereunder for any purpose, Permitted Investments shall be valued at amortized cost. As used herein the term "amortized cost", when used with respect to an obligation purchased at a premium above or a discount below par, means the value as of any given time obtained by dividing the total premium or discount at which such obligation was purchased by the number of days remaining to maturity on such obligation at the date of such purchase and by multiplying the amount thus calculated by the number of days having passed since such purchase; and (i) in the case of an obligation purchased at a premium by deducting the product thus obtained from the purchase price, and (ii) in the case of an obligation purchased at a discount by adding the product thus obtained to the purchase price. Unless otherwise provided in the Indenture, Permitted Investments in any fund or account hereunder shall be valued at least once in each Fiscal Year on the last day thereof. Notwithstanding the foregoing, Permitted Investments in the Debt Service Reserve Fund shall be valued at amortized cost for all purposes of the Indenture unless and until a withdrawal from such Fund shall be required in accordance with Section 508(1) in which event such investments shall thereafter be valued at amortized cost or market, whichever is lower, until the balance in such Fund, on the basis of such valuation, shall equal the Debt Service Reserve Fund Requirement.

Section 513. Holding of Special Deposits. Except as otherwise provided in any Supplemental Indenture, moneys held by or for the account of the City in connection with the System which are required to be applied under the terms of an agreement with respect to the acquisition, construction or alteration of a facility which is the subject of such agreement (including, any such moneys received by the City for such purpose under any grant or loan agreement with the United States of America or the City or any agency, political subdivision or instrumentality of either) or which are subject to refund by the City or held for the account of others or subject to refund to others, including, without limitation, any amounts which, under any agreement by the City providing for adequate separation of such amounts from Revenues, are collected by the City on behalf of others for services rendered or commodities provided to

customers of the System, any amounts deducted by the City from wage and salary payments to the employees of the System, any amounts contributed by the City to any pension or retirement fund or system which amounts are held in trust for the benefit of the employees of the City and any amounts held as deposits, including customer service deposits, guaranteed revenue contract deposits, unexpended developer's deposits under construction loan contracts, minimum revenue deposits and unexpended jobbing deposits, together with any investments of such moneys and interest and profits thereon to the extent such interest and profits are also held for the account of others or subject to refund to others, may be held by the City outside of the various funds and accounts established by the Indenture and, notwithstanding anything herein to the contrary, shall not be subject to the pledge created by the Indenture or be considered Revenues hereunder while so held.

ARTICLE VI

PARTICULAR COVENANTS OF THE CITY

The City covenants and agrees as follows:

Section 601. Powers as to Bonds and Pledge. The City has taken all action necessary to authorize the Indenture and is duly authorized under the Act, Ordinance No. 02088 dated November 4, 2002 and all applicable laws to create and issue the Bonds and to adopt the Indenture and to pledge the Revenues and other moneys, securities, Reserve Deposits and funds purported to be pledged by the Indenture in the manner and to the extent provided in the Indenture. The Revenues and other moneys, securities, Reserve Deposits and funds so pledged are and will be free and clear of any pledge, lien, charge or encumbrance thereon with respect thereto prior to, or of equal rank with, the pledge created by the Indenture except to the extent expressly permitted hereby. The City shall at all times, to the extent permitted by law, defend, preserve and protect the pledge of the Revenue and other moneys, securities, Reserve Deposits and funds pledged under the Indenture and all the rights of the Bondholders under the Indenture against all claims and demands of all persons whomsoever.

Section 602. [RESERVED]

Section 603. Covenant as to Rates and Charges. To the extent not otherwise provided by a Supplemental Indenture,

(1) So long as any Bonds are Outstanding, the City shall use its best efforts to establish and maintain Rates and Charges adequate at all times, with other available funds, to provide Revenues and other moneys, including amounts from the Stabilization Account, at least sufficient to pay or provide for, as the same become due or are payable (i) all Operating Expenses, (ii) all payments of Principal Installments and Redemption Price of and interest on the Bonds and all other bonds, notes or other evidences of indebtedness of or assumed by the City which are payable from Revenues of the System, (iii) all amounts, if any, payable to the

Operation and Maintenance Reserve Fund, the Debt Service Reserve Fund, and, if any, the Insurance Reserve Fund, (iv) all repairs, replacements, and renewals of the System deemed necessary by the City which are payable from Revenues of the System and (v) all other amounts which the City may by law, order of the Public Utilities Commission, or contract be obligated to pay from Revenues of the System. Provided the City complies with Section 504(4) and has complied or is diligently proceeding to comply with the requirements of subsection (3) and (4) of this Section 603, the Trustee shall take no action pursuant to Section 701 or Section 703 on account of any failure by the City to comply with the requirements of this subsection; provided that the setting of the Rates and Charges shall, to the extent required by law, be subject to the approval of the Public Utilities Commission.

(2) Without limiting the generality of the foregoing, the City shall use its best efforts to establish and maintain Rates and Charges at levels sufficient so that total Net Revenues in each Fiscal Year during which Bonds are Outstanding, shall equal at least one hundred twenty-five percent (125%) of the Debt Service Requirement during such Fiscal Year with respect to all Bonds Outstanding as of the first day of such Fiscal Year. Failure by the City to comply with the requirements of this subsection (2) shall not be considered an Event of Default under the Indenture so long as the City has complied or is diligently proceeding to comply with the requirements of subsection (3) and (4) of this Section 603; provided that the setting of the Rates and Charges shall, to the extent required by law, be subject to the approval of the Public Utilities Commission.

(3) On or before the day which is six months prior to the last Business Day of each Fiscal Year the City shall review the adequacy of its Rates and Charges to satisfy the requirements of this Section for the next succeeding Fiscal Year. If such review indicates that the Rates and Charges are, or are likely to be, insufficient to meet the requirements of this Section for the next succeeding Fiscal Year, or if it otherwise appears at any time during such Fiscal Year that Rates and Charges are or are likely to be insufficient to meet such requirements, the City shall promptly take such steps as are permitted by law and as are necessary to cure or avoid the deficiency, including but not limited to, making an emergency request to the Public Utilities Commission to raise its Rates and Charges.

(4) Within one hundred and eighty days of the close of each Fiscal Year while Bonds are Outstanding, the City shall deliver to the Trustee a certificate of an Authorized Officer (which may be based on unaudited financial statements) stating, if such was the case, that the City satisfied the requirements of subsections (1) and (2) of this Section 603 in such Fiscal Year or, if such was not the case, specifying in reasonable detail the corrective steps taken by the City so that it will comply with such requirements in the then current Fiscal Year. If such certificate is based on unaudited financial statements, then within 270 days of the close of each Fiscal Year while the Bonds are Outstanding, the City shall deliver to the Trustee an additional certificate based on audited financial statements. Any certificate based on audited financial statements shall be accompanied by a certificate of the independent public accountant or firm of accountants

regularly auditing the books of the City in accordance with Section 609 setting forth the Net Revenues for the preceding Fiscal Year.

Section 604. Sale, Lease or Encumbrance of System.

(1) Except as provided in this Section and Section 607(3), no part of the System shall be sold, leased (with the City as lessor) or otherwise disposed of or encumbered.

(2) To the extent permitted by law, the City may sell or exchange or otherwise dispose of at any time or from time to time any property or facilities constituting part of the System which either (i) are worn out or obsolete or (ii) in the written opinion of the City are no longer useful in the operation of the System and, if the market value of such property or facilities as determined by the City is in excess of \$500,000, the City delivers to the Trustee a certificate of an Authorized Officer stating, in the opinion of the signer, that the sale, exchange or other disposition of such property or facilities will not impair the ability of the City to satisfy the requirements of Section 603 in the then current or any future Fiscal Year. To the extent permitted by law, any proceeds of such sale, exchange or other disposition not used to replace the property so sold, exchanged or disposed of shall be deposited in the Revenue Fund.

(3) To the extent permitted by law, the City may sell, mortgage, grant security interests in, or otherwise encumber any real or personal property included in the System, or may lease as lessee any real or personal property to be used in the operation of the System; provided that the City shall deliver to the Trustee a written report satisfactory to the Agency (A) stating that such action shall not impede the City's ability to comply with all the covenants set forth in Article VI of this Indenture for so long as any Bonds or Subordinated Bonds shall remain Outstanding and (B) including a certificate of a Consulting Engineer (a) setting forth the estimated annual Net Revenues for each of the five full Fiscal Years following the action (including the Fiscal Year in which such action is taken), after giving effect to any increases or decreases in Rates and Charges projected to be in effect for such period and to any additional Revenues projected to be available during such period, and (b) showing for each of such Fiscal Years that the estimated annual Net Revenues for such Fiscal Year will be at least equal to one hundred twenty-five percent (125%) of the Debt Service Requirement for such Fiscal Years (provided that the Consulting Engineer's certificate shall not project any increase in Rates and Charges during the first full Fiscal Year of the projection period which has not been adopted by the City for such Fiscal Year on or before the date of such certificate). The proceeds of sale, if any, of any such property mortgaged or otherwise encumbered, after satisfying the mortgage, security interest or other encumbrance secured by the same, to the extent permitted by law, shall be deposited in the Revenue Fund.

(4) To the extent permitted by law, the City may lease as lessor or make contracts or grant licenses for the operation of, or grant easements or other rights with respect to, any part of the System if such lease, contract, license, easement or right does not, in its written opinion, impede the operation by the City of the System. Except as provided in Section 607(3), any

payments to the City under or in connection with any such lease, contract, license, easement or right (except any such payments specifically excluded from the definition of Revenues) shall constitute Revenues and be deemed Rates and Charges.

(5) Nothing in this Indenture shall prevent the City from conveying and assigning to a municipal authority created pursuant to any applicable statute or to another entity (the "Authority") all or substantially all of its right, title and interest in the System and thereupon becoming released from all of its obligations hereunder, under any Supplemental Indenture and under the Bonds (1) if the Authority (A) assumes in writing the City's obligations under the Indenture or (B) otherwise assumes in writing the City's obligations to pay the principal, redemption premium, if any, and interest on all Bonds issued pursuant to this Indenture and then outstanding according to the terms thereof and the instrument of assumption provides the Bondholders or the Trustee or entity serving in a similar capacity and acting on behalf of the Bondholders with substantially all of the rights and remedies provided in this Indenture; provided, however, that before the City may consummate such a conveyance and assignment and obtain a release of its obligations hereunder, under any Supplemental Indenture and under the Bonds, the following conditions shall have been satisfied:

(a) the City and the Trustee shall have received a Counsel's Opinion substantially to the effect that the conveyance to the Authority of all or substantially all of the City's right, title and interest in the System, the assignment to the Authority of the obligations of the City under this Indenture, any Supplemental Indenture and the Bonds to make payments of principal, redemption premium, if any, and interest on the Bonds, and the release of the City from all of its obligations hereunder, under any Supplemental Indenture and under the Bonds, have been duly authorized by the City, do not violate any applicable law, ordinance, resolution or regulation of the City or any applicable court decision and do not adversely impact the System's eligibility for federal or state grants or other financial assistance or the qualification of any Agency Loan Agreement under the Safe Drinking Water Act of 1974, 42 U.S.C. §§ 300f-300j-9.

(b) the City and the Trustee shall have received a Counsel's Opinion substantially to the effect that (i) the acquisition by the Authority of all or substantially all of the City's right, title and interest in the System and the assumption by the Authority of the City's obligations hereunder, under any Supplemental Indenture and under the Bonds to make payments of principal, redemption premium, if any, and interest on the Bonds have been duly authorized by the Authority and do not violate any law, ordinance, resolution or regulation applicable to the Authority or any applicable court decision; (ii) the instrument under which the Authority assumes the obligations of the City hereunder, under any Supplemental Indenture and under the Bonds to make payments of principal, redemption premium, if any, and interest on the Bonds constitutes a valid and binding obligation of the Authority enforceable in accordance with its terms except as enforcement may be limited by bankruptcy, insolvency or other similar laws or equitable principles affecting the enforcement of creditors' rights; (iii) the security interest granted

by the Authority pursuant to subparagraph (d) creates a valid and effective first priority lien and security interest in the revenues to be generated by the System; and (iv) the rates and charges established by the Authority and referred to below in subparagraph (e) have been duly authorized and enacted in accordance with applicable law;

(c) the City and the Trustee shall have received a Counsel's Opinion substantially to the effect that the conveyance of all or substantially all of the City's right, title and interest in the System to the Authority; the release of the City from its obligations hereunder, under any Supplemental Indenture and under the Bonds; and the assumption by the Authority of the City's obligations hereunder, under any Supplemental Indenture and under the Bonds to make payments of principal, redemption premium, if any, and interest on the Bonds will not have an adverse effect on the exemption of interest on any Series of Bonds issued as federally tax-exempt Bonds;

(d) the Authority shall, concurrently with the conveyance, assignment, assumption and release described above, grant to the Trustee or entity serving in a similar capacity and acting on behalf of Bondholders a security interest in the revenues to be generated by the System following the conveyance, assignment, assumption and release equal to the security interest granted in Revenues hereby;

(e) the City and the Trustee shall have received a certificate of a Consulting Engineer indicating that the Authority could issue at least one dollar (\$1) of additional bonds in compliance with the requirements of Section 205(2)(iv) following the conveyance, assignment, assumption and release described above or, that the coverage ratio calculated under Section 205(2)(iv)(b) would not be worse immediately after such conveyance, assignment, assumption and release than it was immediately preceding such conveyance, assignment, assumption and release, in each case treating any other debt of the City to be secured by the Revenues on a parity with the Bonds as Bonds for purposes of such calculation;

(f) the City shall have provided (1) evidence to the Trustee that the details of such conveyance of all or substantially all of the City's right, title and interest in the System to the Authority; the release of the City from its obligations hereunder, under any Supplemental Indenture and under the Bonds; and the assumption by the Authority of the City's obligations hereunder, under any Supplemental Indenture and under the Bonds to make payments of principal, redemption premium, if any, and interest on the Bonds have been provided in writing to each Rating Agency then assigning a rating on Outstanding Bonds and that each such Rating Agency has either (a) confirmed in writing that such conveyance will not, in and of itself, adversely affect such ratings, if any, or (b) issued a rating on a Series of Bonds to be issued by the Authority which is not lower than the rating assigned by such Rating Agency to any Series of Outstanding Bonds (which rating in each case is not based on Additional Security, if any, provided for such Series of Outstanding Bonds or Authority Bonds, as applicable) or (2) any other evidence

satisfactory to the Trustee that such conveyance will not, in and of itself, adversely affect the then current ratings, if any, assigned to any Outstanding Bonds by any Rating Agency; and

(g) the City and the Trustee shall have received a Counsel's Opinion substantially to the effect that the conveyance of all or substantially all of the City's right, title and interest in the System to the Authority; the release of the City from its obligations hereunder, under any Supplemental Indenture and under the Bonds; and the assumption by the Authority of the City's obligations hereunder, under any Supplemental Indenture and under the Bonds to make payments of principal, redemption premium, if any, and interest on the Bonds will not have an adverse effect on the exemption of interest on any bonds issued by the Agency which are secured in whole or in part by Agency Bonds and are issued as federally tax-exempt bonds.

In connection with the conveyance to the Authority of all or substantially all of the City's right, title and interest in the System, the City shall convey and assign to the Authority all amounts on deposit in the funds and accounts established hereunder.

Anything in this Indenture to the contrary notwithstanding, upon a conveyance of all or substantially all of the assets of the System to the Authority pursuant to this subsection, the provisions of this Indenture shall no longer be enforceable against the City.

Section 605. Operation, Maintenance and Reconstruction. The City shall operate, or cause to be operated, the System properly and in a sound, efficient and economical manner and shall maintain, preserve, and keep the same or cause the same to be maintained, preserved, and kept in good repair, working order and condition, and shall from time to time make, or cause to be made, all necessary and proper repairs, replacements and renewals so that the operation of the System may be properly and advantageously conducted, and, if any useful part of the System is damaged or destroyed or taken through the exercise of eminent domain, the City shall, as expeditiously as practicable, commence and diligently prosecute the replacement or reconstruction of such damaged or destroyed part so as to restore the same to use and the replacement of such part so taken; provided, however, that nothing in the Indenture shall require the City to operate, maintain, preserve, repair, replace, renew or reconstruct any part of the System if there shall have been filed with the Trustee a certificate of an Authorized Officer, which certificate may be conclusively relied upon by the Trustee, stating that, in the opinion of the signer, (i) abandonment of operation of such part is economically justified and is not prejudicial to the interests of the Holders of the Bonds, and (ii) failure to operate, maintain, preserve, repair, replace, renew or reconstruct such part will not impair the ability of the City to satisfy the requirements of Section 603 in the current or any future Fiscal Year.

Section 606. Insurance and Condemnation.

(1) The City shall at all times keep all property which is a part of the System and which is of an insurable nature and of the character usually insured by operating systems similar to the System insured against loss or damage by fire and from other causes customarily insured against and in such relative amounts as are customary or shall self-insure against such risks as provided in subsection (3). The City will also at all times maintain insurance against loss or damage from such hazards and risks to the persons and property of others as are usually insured against by those operating systems similar to the City, or shall self-insure against such risks as provided in subsection (3). In determining the amounts and types of insurance to be maintained under this Section, the City may rely upon the advice of a Consulting Engineer or an insurance consultant of recognized standing selected by the City. Any policies of insurance shall be carried with insurers of good standing authorized to do business in the State and shall provide that the proceeds of such insurance shall be payable to the City.

(2) All proceeds of insurance, if any, insuring the properties and facilities of the System against loss or damage shall be applied to the restoration, replacement or reconstruction of the property or facility lost or damaged, unless the City determines in accordance with Section 605 not to restore, replace or reconstruct such property or facilities. Any proceeds of such insurance not applied to restoration, replacement or reconstruction or remaining after such work is completed shall be deposited in the Revenue Fund, provided that any proceeds of insurance received by the City with respect to loss or damage to a Project prior to the completion of construction thereof shall be deposited in the applicable Project Account and applied in accordance with Section 503. Proceeds of insurance against loss or damage to the person or property of others shall be applied by the City in satisfaction of the applicable claim.

(3) If at any time the City determines that any of the policies of insurance required to be maintained by this Section are not reasonably obtainable or may not be obtained at a reasonable cost either with respect to coverage, amounts or deductibles, the City shall deposit in the Insurance Reserve Fund an amount equal to the Insurance Reserve Fund Requirement. For the purpose of this Section and Section 504(2)(viii), the Insurance Reserve Fund Requirement shall be that amount (or such greater amount provided in any Supplemental Indenture) for any Fiscal Year or portion thereof certified to the City by a Consulting Engineer or an insurance consultant retained by the City (who may be the insurance consultant or agent regularly furnishing insurance to the City) as adequate to reserve against the risks to be covered by the Insurance Reserve Fund. A certificate of an Authorized Officer, approved by such Consulting Engineer or insurance consultant, setting forth the Insurance Reserve Fund Requirement shall be promptly delivered to the Trustee. The City shall annually review the requirements of the Insurance Reserve Fund and no later than one hundred and twenty (120) days after the end of each Fiscal Year shall deliver to the Trustee a certificate of an Authorized Officer setting forth the Insurance Reserve Fund Requirement for the next ensuing Fiscal Year or any portion thereof. For purposes of Section 504(2)(viii), if at any time the Insurance Reserve Fund Requirement shall be increased pursuant to this Section or if as of the last business day of a Fiscal Year the

balance in the Insurance Reserve Fund shall be less than the Insurance Reserve Fund Requirement calculated as of such date, the certificate of an Authorized Officer required by the foregoing sentence shall also specify the dates and amounts of deposits to such Fund during the next succeeding Fiscal Year pursuant to Section 504(2)(viii) so that no later than the last day of such Fiscal Year the balance in such Fund shall equal the Insurance Reserve Fund Requirement calculated as of such date.

(4) If at any time the amounts on deposit and available therefor in the Debt Service Fund, Redemption Fund, Stabilization Account, Debt Service Reserve Fund, Capital Improvement Accounts and Operation and Maintenance Reserve Fund, are insufficient to pay the Principal Installments and Redemption Price of and interest on the Bonds then due, the City shall withdraw from the Insurance Reserve Fund and pay to the Trustee for deposit in the Debt Service Fund the amount necessary to meet the deficiency. Subject to the foregoing, amounts in the Insurance Reserve Fund shall be applied by the City to the payment of liability claims and the cost of defending such claims or to the restoration, replacement or reconstruction of portions of the System lost or damaged and for which neither insurance proceeds or amounts specifically designated therefor in the Operating Fund are available. Any amounts withdrawn from the Insurance Reserve Fund shall be applied in the same manner as provided in this Section for the proceeds of insurance, provided that any such amount not required for the restoration, replacement or reconstruction of property lost or damaged or remaining after such work has been completed shall be redeposited in the Insurance Reserve Fund. If at any time the amount on deposit in the Insurance Reserve Fund is in excess of the Insurance Reserve Fund Requirement or if the Commission at any time should determine that such Fund is no longer required hereunder, such excess, or the balance of such Fund as the case may be, shall be paid to the Trustee for deposit in the Revenue Fund or, if all or a portion of the amounts on deposit in such Fund were derived from proceeds of a Series of Bonds, to the Redemption Fund to the extent of such portion to be applied to the redemption of Bonds of such Series.

(5) Not later than the last day of each third full Fiscal Year following the delivery of any Bonds, the City shall cause a Consulting Engineer or an insurance consultant retained pursuant to this Section to review the adequacy of the Insurance Reserve Fund and the Insurance Reserve Fund Requirement and the policies of insurance then maintained by the City and to deliver a report thereon (which may be included in the report required by Section 609(2)) to the City and the Trustee.

(6) If any property or facilities comprising part of the System shall be taken through the exercise of the power of eminent domain, the City shall apply the proceeds of any award received on account of such taking to the replacement of the property or facilities so taken, unless the City determines in accordance with Section 605 not to replace such property or facilities. Any proceeds of such award not applied to replacement or remaining after such work has been completed shall be deposited in the Revenue Fund.

Section 607. Creation of Liens. Other Indebtedness.

(1) The City shall not issue any bonds, notes or other evidences of indebtedness, other than the Bonds and Subordinated Bonds, secured by a pledge of or other lien on the Revenues of the System and other moneys, securities, Reserve Deposits, if any, and funds held or set aside by the City or by the Fiduciaries under the Indenture, and shall not otherwise create or cause to be created any lien or charge on the Revenues of the System, moneys, securities, Reserve Deposits, if any, and funds, except to the extent provided in this Section 607.

(2) Notwithstanding anything herein to the contrary the City may at any time or from to time issue notes or other evidences of indebtedness (and renewals thereof);

- (i) in anticipation of Bonds to the extent and in the manner provided in Section 207, which notes, if so determined by the City, may be secured by a pledge of Revenues, provided that such pledge shall in all respects be subordinate to the provisions of the Indenture and the pledge created by the Indenture;
- (ii) in anticipation of the receipt by the City of any grant-in-aid from the United States of America or the State or any agency, instrumentality or political subdivision of either of them, for or on account of Capital Improvements and payable solely out of, or secured by a pledge of, the amounts to be received (which amounts shall not be deemed Revenues hereunder while any such notes are outstanding); provided that no such notes shall be issued unless (a) the City shall have received and accepted an agreement, whether conditional or unconditional, providing for the grant-in-aid anticipated by such notes executed by authorized officers of the grantor, (b) the aggregate principal amount of such notes (excluding renewals thereof issued by the City) shall not exceed the aggregate amount of the grant-in-aid provided for in such agreement and not yet received by the City and (c) all such notes or renewals thereof shall be issued to mature not later than six months after the expected final date of receipt of amounts provided under such grant-in-aid; or
- (iii) in anticipation of the Revenues to be received in any Fiscal Year, which notes may be payable out of, or secured by a pledge of, Revenues; provided that (a) any such pledge shall in all respects be subordinate to the provisions of the Indenture and the pledge created by the Indenture, (b) any such notes shall be payable no later than one year from date of issue (or, in the case of notes issued to renew such notes, no later than one year from the date of issue of the original issue of notes), (c) the aggregate amount of such notes outstanding at any one time in a Fiscal Year shall not exceed fifty percent (50%) of the Revenues for the immediately preceding Fiscal Year and (d) the proceeds of such notes (other than the proceeds of renewal notes require to pay notes) shall be deposited in the Revenue Fund.

(3) Notwithstanding anything herein to the contrary, the City may issue bonds, notes or other evidences of indebtedness secured solely by the revenues, receipts or other moneys derived by the City from the lease, license, operation, sale or other disposition of any facility or equipment constituting part of the System hereafter constructed or acquired by or on behalf of the City with the proceeds of such bonds, notes or evidences of indebtedness. Such revenues, receipts and other moneys shall not be considered Revenues or Rates and Charges hereunder provided that (i) neither the debt service on such bonds, notes, or other evidences of indebtedness nor any cost of the acquisition, construction, operation, maintenance or repair of any such facility or equipment nor provision for reserves for any of the foregoing shall be paid from the proceeds of Bonds or from Revenues (other than Revenues deposited in the Unrestricted Fund pursuant to Section 504) or shall be included in Operating Expenses, and (ii) any such receipts and monies in excess of such debt service cost of acquisition, construction or operation, maintenance, repair and reserves shall be deposited in the Revenue Fund (and upon such deposit shall be deemed Revenues); and (iii) prior to the issue of any such bonds, notes or other evidences of indebtedness, the City shall deliver to the Trustee a certificate of a Consulting Engineer stating that the lease, license, operation, sale or other disposition of such facility or equipment and the application of the revenues, receipts and other moneys derived therefrom to the operation, maintenance and repair thereof and the payment of the debt service on the bonds, notes or other evidences of indebtedness issued therefor and the provision of reserves for the foregoing, will not result in any decrease in the Net Revenues projected by such Consulting Engineer or Certified Public Accountant to be received by the City during the succeeding five Fiscal Years (including the Fiscal Year in which such bonds, notes or other evidences of indebtedness are issued).

(4) The City hereby reserves the right, and nothing herein shall be construed to impair such right, to finance improvements to the System by the issuance of its general obligation bonds, provided that nothing herein shall be construed as requiring the issuance of any such bonds and that no such bonds shall be deemed to be Bonds for any purpose hereunder.

Section 608. Annual Operating Budget. (1) Not less than one day prior to the beginning of each Fiscal Year, the City Council shall adopt and file with the Trustee an annual operating budget for the System (herein called "Annual Budget") for such Fiscal Year. The City Council may at any time, but not more often than once a month, adopt and file with the Trustee (or annually delegate to an Authorized Officer the authority to prepare and file with the Trustee) an amended or supplemental Annual Budget for the Fiscal Year then in progress, provided that an amendment for the purpose of making changes in one or more line items within the Annual Budget, but which does not increase the aggregate amount of expenses shown in the Annual Budget for such Fiscal Year may be filed by an Authorized Officer without action by the City Council and provided further that any amendment that increases the aggregate amount of expenses shown in the Annual Budget for such Fiscal Year shall be accompanied by a certificate of an Authorized Officer to the effect that such increase will not preclude compliance by the City with the covenants set forth in Section 603. An Authorized Officer shall prepare and may amend from time to time, a monthly breakdown of the Annual Budget which breakdown or amendment thereto shall be filed with the Trustee and shall show for each month projected Operating

Expenses to be paid from the Operating Fund in such month, as well as the Revenues or other moneys held hereunder projected to be available to meet the same. The City shall not incur aggregate Operating Expenses in any Fiscal Year in excess of the aggregate amount of Operating Expenses shown in the Annual Budget as amended and supplemented for such Fiscal Year except in case of emergency or as required by law and shall promptly file a written report of any such excess expenditure with the Trustee signed by an Authorized Officer. For the purposes of this Section 608, "Authorized Officer" shall include, individually, the Mayor, the City Treasurer and the Water Official of the City.

(2) For purposes of Section 504(2), the Operation and Maintenance Reserve Fund Requirement shall mean, unless a greater amount is required by any Supplemental Indenture, (i) from the date of delivery of the initial Series of Bonds hereunder until the last day of the second full Fiscal Year after such Bonds are delivered, the amount provided in the Supplemental Indenture for the initial Bonds, and (ii) as of the last business day of each calendar month thereafter an amount equal to at least the sum of (a) the balance on deposit in the Operation and Maintenance Reserve Fund on the last day of the prior Fiscal Year and (b) one-twelfth (1/12) of the amount, if any, by which the balance of the Operation and Maintenance Reserve Fund on the last day of the prior Fiscal Year was less than the Operation and Maintenance Reserve Fund Requirement calculated as of such day multiplied by the number of months of the current Fiscal Year that have passed since the beginning of such Fiscal Year, and either plus (c) one-twelfth (1/12) of one-sixth (1/6) of the amount, if any, by which the projected aggregate Operating Expenses of the current Fiscal Year (as shown in the Annual Budget as then amended and supplemented for such Fiscal Year) exceeds the aggregate Operating Expenses for the prior Fiscal Year multiplied by the number of months of the current Fiscal Year that have passed since the beginning of such Fiscal Year or minus (d) one-sixth (1/6) of the amount, if any, by which such projected aggregate Operating Expenses are less than the aggregate Operating Expenses for the prior Fiscal Year.

For purposes of such computation, the City and the Trustee shall consider the amount of Operating Expenses paid in a prior Fiscal Year to be such amount as estimated by an Authorized Officer in a certificate filed with the Trustee on or before the last day of such Fiscal Year subject to adjustment with respect to the actual amount as set forth in a certificate of an Authorized Officer filed with the Trustee on or before one hundred twenty (120) days after the end of such Fiscal Year.

Section 609. Accounts and Reports.

(1) The City shall annually, within 270 days after the close of each Fiscal Year or as soon thereafter as is practicable, file with the Trustee a copy of financial statements, audited by and containing the report of an independent public accountant or firm of accountants acceptable to the Trustee, relating to or including schedules relating to the operations and properties of the System for such Fiscal Year and setting forth in reasonable detail its financial condition as of the end of such year and income and expenses for such year, and including a summary of the receipt

in and disbursements from the funds and accounts maintained under the Indenture during such Fiscal Year and the amounts held therein at the end of such Fiscal Year. In the event that such financial statements are not available within 270 days after the close of each Fiscal Year, the City shall so notify the Trustee in writing within 270 days. Each annual report shall be accompanied by a certificate of the accountant or firm of accountants auditing the same to the effect that in the course of and within the scope of their examination of such financial statements nothing came to their attention that would lead them to believe that an Event of Default had occurred under the Indenture or, if such is not the case, specifying the nature of the Event of Default.

(2) Not later than June 30, 2007 and the last day of each fifth Fiscal Year thereafter, the City shall cause an examination of and report on the properties and operations of the System to be made by a Consulting Engineer and shall cause a copy of such examination and report, certified by an Authorized Officer, to be filed with the Trustee. Such examination and report shall include a review and evaluation of the City's current and any proposed Capital Improvements Budget and of the City's Annual Budgets for the current year and, if available, for the next year, including a statement as to whether such budgets are appropriate, adequate and reasonably required to allow the City to operate the System, and such other reports, surveys and examinations as the City or the Consulting Engineer shall deem necessary. Any report prepared by the Consulting Engineer in connection with the issuance of Bonds within the last Fiscal Year in such five year period shall satisfy the requirements of this subsection for such five year period.

ARTICLE VII

DEFAULTS AND REMEDIES

Section 701. Events of Default. The occurrence of one or more of the following events shall constitute an "Event of Default":

- (i) if default shall be made by the City in the payment of the Principal Installments or Redemption Price of any Bond when due, whether at maturity or by call for mandatory redemption or redemption at the option of the City or any Holder, or otherwise, or in the payment of any sinking fund payment when due,
- (ii) if default shall be made by the City in the payment of any installment of interest on any Bond when due,
- (iii) if default shall be made by the City in the payment of any installment of interest on or any Principal Installment or Redemption Price of any Subordinated Bonds when due,
- (iv) if default shall be made by the City in the performance or observance of any other of the covenants, agreements or conditions on its part provided in the Indenture or in the Bonds and such default shall continue for a period of 30 days after written

notice thereof shall be given to the City by the Trustee or to the City and the Trustee by the Holders of a majority in Principal Amount of the Bonds Outstanding; provided that if such default cannot be remedied within such 30 day period, it shall not constitute an Event of Default hereunder if corrective action is instituted by the City within such period and diligently pursued until the default is remedied,

- (v) if an order, judgment or decree is entered by a court of competent jurisdiction (a) appointing a receiver, trustee, or liquidator for the City or the whole or any substantial part of the System, (b) granting relief in involuntary proceedings with respect to the City under the federal bankruptcy act, or (c) assuming custody or control of the City or of the whole or any substantial part of the System under the provision of any law for the relief of debtors, and the order, judgment or decree is not set aside or stayed within sixty (60) days from the date of entry of the order, judgment or decree, or
- (vi) if the City (a) admits in writing its inability to pay its debts generally as they become due, (b) commences voluntary proceedings in bankruptcy or seeking a composition of indebtedness, (c) makes an assignment for the benefit of its creditors, (d) consents to the appointment of a receiver of the whole or any substantial part of the System, or (e) consents to the assumption by any court of competent jurisdiction under any law for the relief of debtors of custody or control of the City or of the whole or any substantial part of the System.

Upon the occurrence of an Event of Default described in clauses (i), (ii), (v) or (vi), so long as such Event of Default shall not have been cured, either the Trustee (by notice in writing to the City), or the Holders of twenty-five percent (25%) in Principal of the Bonds Outstanding (by notice in writing to the City and the Trustee) may, with the consent of the Agency (so long as there are Agency Bonds Outstanding hereunder), declare the Principal Amount of all the Bonds then Outstanding, and the interest accrued thereon, to be due and payable immediately, and upon any such declaration the same shall become and be immediately due and payable, anything in the Indenture or in any of the Bonds contained to the contrary notwithstanding. The right to make such declaration as aforesaid, however, is subject to the condition that if, at any time after such declaration, all outstanding Events of Default (other than the payment of the Principal Amount and interest due and payable solely by reason of such declaration) shall have been cured or provision deemed by the Trustee to be adequate shall be made therefor, then and in every such case, unless a final judgment has been obtained for any Principal Amount or interest coming due and payable solely by reason of such declaration, the Holders of a majority in Principal Amount of the Bonds Outstanding, by written notice to the City and to the Trustee, may annul such declaration, or, if the Trustee shall have acted without a direction from Bondholders and if there shall not have been theretofore delivered to the Trustee written direction to the contrary by the Holders of a majority in Principal Amount of the Bonds then Outstanding, then any such declaration shall be deemed to be annulled.

Section 702. Application of Revenues and Other Moneys after Default.

(1) The City covenants that if an Event of Default shall happen and shall not have been remedied, the City, upon demand of the Trustee, shall pay over and assign to the Trustee (i) forthwith, all moneys, securities, Reserve Deposits, Additional Security, if any, and funds then held by the City in any fund or account pledged under the Indenture including, without limitation, funds then held by it in the Revenue Fund, and (ii) as promptly as practicable after receipt thereof the Revenues.

(2) During the continuance of an Event of Default, the Trustee shall apply the moneys, Reserve Deposits, Additional Security, if any, and funds held by the Trustee and such Revenues and the income therefrom as follows and in the following order:

- (i) to the payment of the reasonable and proper charges and expenses of the Fiduciaries and of its agents, representatives, advisors and legal counsel, and of any engineer or firm of engineers selected by the Trustee pursuant to this Article and to the payment of any fees and expenses required to keep any Reserve Deposits or Additional Security in full force and effect;
- (ii) to the payment of the amounts required for reasonable and necessary Operating Expenses, including reasonable and necessary reserves and working capital therefor, and for the reasonable repair and replacement of the System necessary to prevent loss of Revenues or to provide for the continued operation of the System, as certified to the Trustee by an independent engineer or firm of engineers of recognized standing (who may be an engineer or firm of engineers retained by the City for other purposes) selected by the Trustee;
- (iii) to the payment of the interest and Principal Amount or Redemption Price then due on the Bonds, as follows:
 - (a) unless the Principal Amount of all of the Bonds shall have become or have been declared due and payable,

First: To the payment to the persons entitled thereto of all installments of interest then due in the order of the maturity of such installments maturing, and, if the amount available shall not be sufficient to pay in full all installments maturing on the same date, then to the payment thereof ratably, according to the amounts due thereon, to the persons entitled thereto, without any discrimination or preference; and

Second: To the payment to the persons entitled thereto of the unpaid Principal Amount or Redemption Price of any Bonds which shall become due, whether at maturity or by call for redemption, in the order of their due

dates, and, if the amount available shall not be sufficient to pay in full all the Bonds due on any date, then to the payment thereof ratably, according to the amounts of Principal Amount or Redemption Price due on such date, to the persons entitled thereto, without any discrimination or preference; and

(b) if the Principal Amount of all of the Bonds shall have become or have been declared due and payable, to the payment of the Principal Amount and interest then due and unpaid upon the Bonds without preference or priority of Principal Amount over interest or of interest over Principal Amount, or of any installment of interest over any other installment of interest, or of any Bond over any other Bond, ratably, according to the amounts due respectively for Principal Amount and interest, to the persons entitled thereto without any discrimination or preference;

(3) If and whenever all overdue installments of interest on all Bonds together with the reasonable and proper charges and expenses of the Fiduciaries including without limitation the fees and disbursements of its legal counsel, and all other sums payable by the City under the Indenture, including the Principal Installments and Redemption Price of and accrued unpaid interest on all Bonds which shall then be payable by declaration or otherwise, shall either be paid by or for the account of the City, or provision satisfactory to the Trustee shall be made for such payment and all defaults under the Indenture or the Bonds shall have been cured, the Trustee shall pay over to the City all moneys, securities and funds remaining unexpended in all funds and accounts provided by the Indenture to be held by the City, and thereupon the City and the Trustee shall be restored, respectively, to their former positions and rights under the Indenture and all Revenues shall thereafter be applied as provided in Article V. No such payment over to the City by the Trustee or resumption of the application of Revenues as provided in Article V shall extend to or affect any subsequent default under the Indenture or impair any right consequent thereon.

(4) The proceeds of any Reserve Deposits and Additional Security shall be applied by the Trustee in the manner provided in the applicable Supplemental Indenture authorizing such Reserve Deposits and Additional Security.

Section 703. Proceedings Brought by Trustee.

(1) Whether or not a declaration shall be made by the Trustee or Bondholders pursuant to Section 701, if an Event of Default shall happen and shall not have been remedied, then and in every such case, the Trustee may proceed to protect and enforce its rights and the rights of the Holders of the Bonds under the Indenture by a suit or suits in equity or at law, whether for the specific performance of any covenant herein contained, or in aid of the execution of any power herein granted, or for an accounting against the City as if the City were the trustee of an express trust, or in the enforcement of any other legal or equitable right as the Trustee,

being advised by counsel, shall deem most effectual to enforce any of its rights or to perform any of its duties under the Indenture.

(2) All rights of action under the Indenture may be enforced by the Trustee without the possession of any of the Bonds or the production thereof on the trial or other proceedings.

(3) The Holders of a majority in Principal Amount of the Bonds Outstanding may direct the time, method and place of conducting any proceeding for any remedy available to the Trustee, provided that the Trustee shall have the right to decline to follow any such direction if the Trustee shall be advised by counsel that the action or proceeding so directed may not lawfully be taken, or if the Trustee in good faith shall determine that the action or proceeding so directed would involve the Trustee in personal liability or be unjustly prejudicial to the Bondholders not parties to such direction.

(4) Regardless of the happening of an Event of Default, the Trustee shall have power to, but unless requested in writing by the Holders of a majority in Principal Amount of the Bonds then Outstanding and furnished with satisfactory security and indemnity, shall be under no obligation to, institute and maintain such suits and proceedings as it may deem necessary or expedient to prevent any impairment of the security under the Indenture by any acts which may be unlawful or in violation of the Indenture, or necessary or expedient to preserve or protect its interests and the interests of the Bondholders.

Section 704. Restriction on Bondholders' Action.

(1) No Holder of any Bond shall have any right to institute any suit, action or proceeding at law or in equity for the enforcement of any provision of the Indenture or for any remedy under the Indenture, unless such Holder shall have previously given to the Trustee written notice of the happening of any Event of Default and shall have filed a written request with the Trustee, and shall have offered it reasonable opportunity to exercise the powers granted in this Article in its own name, and unless such Holders shall have offered to the Trustee adequate security and indemnity against the costs, expenses and liabilities to be incurred thereby or in connection therewith, and the Trustee shall have refused to comply with such request within a reasonable time.

(2) Nothing in the Indenture shall affect or impair the obligation of the City to pay on the respective dates of maturity thereof the Principal Amount of and interest on the Bonds, or affect or impair the right of action of any Holder to enforce the payment of his Bond.

Section 705. Remedies not Exclusive. No remedy by the terms of the Indenture conferred upon or reserved to the Trustee or the Bondholders is intended to be exclusive of any other remedy, but each and every such remedy shall be cumulative and shall be in addition to every other remedy given under the Indenture or provided at law or in equity or by statute.

Section 706. Effect of Waiver and Other Circumstances.

(1) No delay or omission of the Trustee or of any Bondholder to exercise any right or power arising upon the happening of an Event of Default shall impair any right or power or shall be construed to be a waiver of any such default or to be an acquiescence therein.

(2) Prior to the declaration of maturity of the Bonds as provided in Section 701, the Holders of a majority in Principal Amount of the Bonds at the time Outstanding may on behalf of the Holders of all of the Bonds waive any past default under the Indenture and its consequences, except a default in the payment of interest on or Principal Installments or Redemption Price of any of the Bonds. No such waiver shall extend to any subsequent or other default.

ARTICLE VIII

THE FIDUCIARIES

Section 801. Trustee. J.P. Morgan Trust Company is hereby appointed Trustee under the Indenture. The Trustee shall signify its acceptance of the duties and obligations imposed upon it by the Indenture by executing the Indenture and by executing such Indenture, the Trustee shall be deemed to have accepted such duties and obligations not only with respect to the initial Bonds but with respect to all the Bonds thereafter to be issued, but only, however, upon the terms and conditions set forth in the Indenture.

Section 802. Paying Agents.

(1) Unless otherwise provided in the applicable Supplemental Indenture, the Trustee shall act as a Paying Agent for all Series of Bonds. The City may appoint one or more additional Paying Agents for the Bonds of any Series in the applicable Supplemental Indenture. Each Paying Agent shall be a bank or trust company or national banking association having a capital and surplus aggregating at least twenty-five million dollars (\$25,000,000), if there is such a bank or trust company or national banking association willing and able to accept the office on reasonable and customary terms and authorized by law to perform all the duties imposed upon it by the Indenture. Each Paying Agent shall signify its acceptance of the duties and obligations imposed upon it by the Indenture by executing and delivering to the City and to the Trustee a written acceptance thereof.

(2) If at any time a Paying Agent is unable or unwilling to act as Paying Agent, the Paying Agent may resign upon 30 days' prior written notice to the City and the Trustee. Such resignation shall become effective upon the date specified in such notice, unless a successor Paying Agent has not been appointed, in which case such resignation shall become effective upon the appointment of such successor. The Paying Agent may be removed at any time by the City by written notice signed by the City delivered to the Trustee, each Bondholder and the Paying Agent. Upon resignation or removal of the Paying Agent, the City shall appoint a

successor Paying Agent which shall be a bank or trust company which meets the requirements of subsection (1) of this Section 802. The City shall notify each Bondholder of the related Series of Bonds of the appointment of such successor. Upon the resignation or removal of the Paying Agent, the Paying Agent shall pay over, assign and deliver any moneys and Bonds held by it in trust pursuant to this Section 802 to its successor.

Section 803. Depositories. The City may appoint one or more Depositories to hold, as an agent for the Trustee, moneys to be held under the provisions of this Indenture. Each Depository shall be a bank or trust company or national banking association having capital and surplus aggregating at least twenty-five million dollars (\$25,000,000), if there is such a bank or trust company or national banking association willing and able to accept the office on reasonable and customary terms and authorized by law to perform all the duties imposed on it by the Indenture. As a condition to the appointment of any Depository such Depository shall agree to provide monthly reports to the Trustee as to the balances on deposit in the fund or funds held by such Depository and shall acknowledge in writing that the moneys held by it are being held by it as agent for the Trustee and subject to the provisions of Section 501.

Section 804. Responsibility of Fiduciaries.

(1) The recitals of fact herein and in the Bonds contained shall be taken as the statements of the City and no Fiduciary assumes any responsibility for the correctness of the same. The duties and obligations of the Fiduciaries shall be determined by the express provisions of the Indenture and the Fiduciaries shall not be liable except for their performance of such duties and obligations as are specifically set forth herein. No Fiduciary makes any representations as to the validity or sufficiency of the Indenture or of any Bonds issued thereunder or in respect of the security afforded by the Indenture, and no Fiduciary shall incur any responsibility in respect thereof. The Authenticating Agent for any Bonds shall, however, be responsible for its representation contained in its certificate of authentication on the Bonds. No Fiduciary shall be under any responsibility or duty with respect to the issuance of the Bonds for value or the application of the proceeds thereof or the application of any moneys paid to the City or any other Fiduciary. No Fiduciary shall be under any obligation or duty to perform any act which would involve it in expense or liability or to institute or defend any suit in respect hereof, or to advance any of its own moneys, unless properly indemnified. No Fiduciary shall be liable in connection with the performance of its duties hereunder except for its own gross negligence or willful default nor shall any Fiduciary be liable for any action taken or omitted by it in good faith and believed by it to be authorized or within the discretion or rights or powers conferred upon it by the Indenture.

(2) All moneys held by any Fiduciary, as such, at any time pursuant to the terms of the Indenture shall be and hereby are assigned, transferred and set over unto such Fiduciary in trust for the purposes and under the terms and conditions of the Indenture.

Section 805. Evidence on Which Fiduciary May Act. Each Fiduciary shall be protected in acting upon any notice, resolution, request, consent, order, certificate, report, opinion, bond, or other paper or document believed by it to be genuine, and to have been signed or presented by the proper party or parties. Each Fiduciary may consult with counsel, who may or may not be of counsel to the City, and the opinion of such counsel shall be full and complete authorization and protection in respect of any action taken or suffered by it hereunder in good faith and in accordance therewith. Whenever any Fiduciary shall deem it necessary or desirable that a matter be proved or established prior to taking or suffering any action hereunder, such matter (unless other evidence in respect thereof be herein specifically prescribed) may be deemed to be conclusively proved and established by a certificate executed in the name of the City by an Authorized Officer, and such certificate shall be full warrant for any action taken or suffered in good faith under the provisions of the Indenture upon the faith thereof, but in its discretion the Fiduciary may in lieu thereof accept other evidence of such fact or matter or may require such further or additional evidence as to it may deem reasonable.

Section 806. Compensation. Unless otherwise provided by contract with such Fiduciary, the City shall pay to each Fiduciary from time to time reasonable compensation for all services rendered hereunder, and also all reasonable expenses, charges, counsel fees and other disbursements, including those of its attorneys, agents, consultants and employees incurred in and about the performance of their powers and duties hereunder and, unless otherwise provided in any Supplemental Indenture with respect to any Series of Bonds, each Fiduciary shall have a senior lien therefor on any and all funds at any time held by it hereunder. The City, to the extent permitted by law, shall indemnify and save each Fiduciary harmless against any liabilities, costs and expenses which it may incur in the exercise and performance of its powers and duties hereunder, and which are not due to its own gross negligence or willful default.

Section 807. Permitted Acts. Any Fiduciary may become the owner of any Bonds and may otherwise deal with the City, with the same rights it would have if it were not a Fiduciary. To the extent permitted by law, any Fiduciary may act as depositary for, and permit any of its officers or directors to act as a member of, or in any other capacity with respect to; any committee formed to protect the rights of Bondholders or to effect or aid in any reorganization growing out of the enforcement of the Bonds or the Indenture, whether or not any such committee shall represent the Holders of a majority in Principal Amount of the Bonds Outstanding.

Section 808. Resignation of Trustee. The Trustee may at any time resign and be discharged of the duties and obligations created by the Indenture by giving not less than sixty (60) days' written notice to the City and giving not less than thirty (30) days' written notice to each Bondholder and Paying Agent specifying the date when such resignation shall take effect, and such resignation shall take effect upon the day specified in such notice provided a successor shall have been appointed, unless previously a successor shall have been appointed by the City or the Bondholder as hereinafter provided, in which event such resignation shall take effect immediately on the appointment of such successor.

Section 809. Removal of Trustee. The Trustee may be removed (i) at any time by an instrument or concurrent instruments in writing, filed with the Trustee, and signed by the Holders of a majority in Principal Amount of the Bonds then Outstanding or their attorneys-in-fact duly authorized, excluding any Bonds held by or for the account of the City, and (ii) so long as no Event of Default shall have occurred and be continuing, at any time by an Authorized Officer of the City by an instrument in writing filed with the Trustee.

Section 810. Appointment of Successor Trustee. In case at any time the Trustee shall resign or shall be removed or shall become incapable of acting, or shall be adjudged a bankrupt or insolvent, or if a receiver, liquidator or conservator of the Trustee, or of its property, shall be appointed, or if any public officer shall take charge or control of the Trustee, or of its property or affairs, a successor may be appointed by the City, so long as no Event of Default shall have occurred and be continuing hereunder, or by the Holders of a majority in Principal Amount of the Bonds then Outstanding, excluding any Bonds held by or for the account of the City, by an instrument or concurrent instruments in writing signed and acknowledged by such Bondholders or by their attorneys-in-fact duly authorized and delivered to such successor Trustee, notification thereof being given to the City and the predecessor Trustee. Pending such appointment, the City by a written instrument signed by an Authorized Officer and delivered to the predecessor Trustee shall forthwith appoint a Trustee to fill such vacancy until a successor Trustee shall be appointed by the Bondholders as herein authorized. The City shall give written notice of any such appointment made by it to each Bondholder and Paying Agent at least thirty (30) days after the date of such appointment. Any successor Trustee appointed by the City shall, immediately and without further act, be superseded by a Trustee appointed by the Bondholders. If in a proper case no appointment of a successor Trustee shall be made pursuant to the foregoing provisions of this Section within forty-five (45) days after the Trustee shall have given to the City written notice as provided in Section 808 or after the occurrence of any other event requiring or authorizing such appointment, the Trustee or the Holder of any Bond may apply to any court of competent jurisdiction to appoint a successor Trustee. Said court may thereupon, after such notice, if any, as such court may deem proper and prescribe, appoint a successor Trustee. The Trustee shall continue to serve until a successor Trustee shall be appointed under the provisions of this Section. Any Trustee appointed under the provisions of this Section in succession to the Trustee shall be a bank or trust company organized under the laws of the State, or a national banking association doing business in the State, having a capital and surplus aggregating at least fifty-million dollars (\$50,000,000), if there be such a bank or trust company or national banking association willing and able to accept the office on reasonable and customary terms and authorized by law to perform all duties imposed upon it by the Indenture.

Section 811. Transfer of Rights and Property to Successor Trustee. Any successor Trustee appointed hereunder shall execute, acknowledge and deliver to the predecessor Trustee, and also to the City, an instrument accepting such appointment hereunder, and thereupon such successor Trustee, without any further act, deed or conveyance, shall become fully vested with all moneys, estates, properties, rights, powers, duties and obligations of its predecessor hereunder, with like effect as if originally named as Trustee herein, but the Trustee ceasing to act shall

nevertheless, on the written request of the City, or of the Successor Trustee, execute, acknowledge and deliver such instruments of conveyance and further assurances and do such other things as may reasonably be required for more fully and certainly vesting and confirming in such successor Trustee all the right, title and interest of the predecessor Trustee in and to any property held by it hereunder, and shall pay over, assign and deliver to the successor Trustee any money or other property subject to the trusts and conditions herein set forth.

Section 812. Merger or Consolidation. Any company into which any Fiduciary may be merged or converted or with which it may be consolidated or any company resulting from any merger, conversion or consolidation to which it shall be a party or any company to which any Fiduciary may sell or transfer all or substantially all of its corporate trust business provided such company shall be a bank or trust company or national banking association which is qualified to be a successor to such Fiduciary under Section 810 or Section 802(1) and shall be authorized by law to perform all the duties imposed upon it by the Indenture, shall be the successor to such Fiduciary without the execution or filing of any paper or the performance of any further act, anything herein to the contrary notwithstanding.

ARTICLE IX

SUPPLEMENTAL INDENTURES

Section 901. Supplemental Indentures Effective upon Execution and Delivery. The City and the Trustee may at any time and from time to time execute and deliver a Supplemental Indenture supplementing the Indenture for any one or more of the following purposes:

- (1) to close the Indenture against, or provide limitations and restrictions not contained in the Indenture on, the original issuance of Bonds;
- (2) to add to the covenants and agreements of the City contained in the Indenture other covenants and agreements thereafter to be observed for the purpose of further securing the Bonds;
- (3) to surrender any right, power or privilege reserved to or conferred upon the City by the Indenture;
- (4) to authorize Bonds of a Series and, in connection therewith, specify and determine any matters and things relative to such Bonds not contrary to or inconsistent with the Indenture;
- (5) to exercise any provision herein or to make such determinations hereunder as expressly provided herein to be exercised or determined in a Supplemental Indenture;
- (6) to confirm, as further assurance, any pledge under and the subjection to any lien or pledge created or to be created by the Indenture of the Revenues;

(7) to reflect a change in the Fiscal Year of the City; and to make changes to the dates set forth in this Indenture to the extent necessary to conform such dates to the amended Fiscal Year; and

(8) to provide for the issuance of Subordinated Bonds and amendments to the Indenture in accordance with Section 208; and

(9) to make any other change which, in the conclusive determination of the Trustee, is not adverse to the Bondholders.

Section 902. Supplemental Indenture Regarding Ambiguities. At any time or from time to time but subject to the conditions or restrictions in the Indenture contained, the City and the Trustee may enter into an indenture amending or supplementing the Indenture curing any ambiguity or curing correcting or supplementing any defect or inconsistent provisions contained in the Indenture or making such provisions in regard to matters or questions arising under the Indenture as may be necessary or desirable and not contrary to or inconsistent with the Indenture.

Section 903. Supplemental Indentures Amending Indenture or Bonds. At any time or from time to time but subject to the conditions or restrictions in the Indenture contained, the City and the Trustee may enter into an indenture amending or supplementing the Indenture, modifying any of the provisions of the Indenture or Bonds or releasing the City from any of the obligations, covenants, agreements, limitations, conditions or restrictions therein contained, but, except as provided in Section 901 and Section 902, no such amendment shall be effective unless (a) no Bonds authorized by a Supplemental Indenture adopted prior to the adoption of such indenture remain Outstanding at the time it becomes effective, or (b) such indenture is consented to by or on behalf of Bondholders, in accordance with and subject to the provisions of Article X.

Section 904. Execution and Delivery of Supplemental Indentures. Any Supplemental Indenture referred to and permitted or authorized by this Article IX shall become effective only on the conditions, to the extent and at the time provided in this Article. Every such indenture becoming effective shall thereupon form a part of the Indenture. The Trustee in executing or accepting the additional trusts permitted by this Article or the modifications thereby of the trusts created by this Indenture shall be fully protected in relying on a Counsel's Opinion to the effect that such indenture has been duly and lawfully adopted by the City in accordance with the provisions of the Indenture, is authorized or permitted by the Indenture, and constitutes the lawful and binding obligation of the City in accordance with its terms.

ARTICLE X

AMENDMENTS

Section 1001. Mailing. Any provision in this Article X for the mailing of a notice or other paper to Bondholders shall be fully complied with if it is mailed postage prepaid only (i) to each Holder of Bonds then Outstanding at his address, if any, appearing upon the register and (ii) to the Trustee.

Section 1002. Powers of Amendment. Any modification or amendment of the Bonds or of the Indenture may be made by a Supplemental Indenture, with the written consent given as provided in Section 1003, (i) of the Holders of at least a majority in aggregate Principal Amount of all Bonds Outstanding at the time such consent is given or (ii) in case less than all of the several Series of Bonds then Outstanding are affected by the modification or amendment, of the Holders of at least a majority in aggregate Principal Amount of the Bonds of each Series so affected and Outstanding at the time such consent is given; provided, however, that, if such modification or amendment will, by its terms, not take effect so long as any Bonds of any specified Series or maturity remain Outstanding, the vote or consent of the Holders of such Bonds shall not be required and such Bonds shall not be deemed to be Outstanding for the purpose of any calculation of Outstanding Bonds under this Section; and provided, further, that no such modification or amendment shall permit a change in the terms of redemption or maturity of the Principal Amount of any Outstanding Bond, or of any installment of interest thereon or a reduction in the Principal Amount or the Redemption Price thereof or the rate of interest thereon or the method for determining such rate without the consent of the Holder of such Bond, or shall change or modify any of the rights or obligations of any Fiduciary without its written assent thereto, or shall reduce the percentages of the Principal Amount of Bonds the consent of which is required to effect any such modification or amendment.

Section 1003. Consent of Bondholders. The City may at any time adopt a Supplemental Indenture making a modification or amendment permitted by the provisions of Section 1002, to take effect when and as provided in this Section. Upon the adoption of such Supplemental Indenture, a copy thereof, certified by an Authorized Officer, shall be filed with the Trustee for the inspection of the Bondholders. A copy of such Supplemental Indenture (or summary thereof or reference thereto in form approved in writing by the Trustee) together with a request to Bondholders for their consent thereto in form satisfactory to the Trustee, shall be mailed by the City to each affected Bondholder. Such Supplemental Indenture shall not become effective until there shall have been filed with the Trustee the written consents of the percentages of the Holders of Outstanding Bonds specified in Section 1002 and a notice shall have been given as hereinafter in this Section provided. Any such consent shall be binding upon the Holder of the Bonds giving such consent and on any subsequent Holder of such Bonds (whether or not such subsequent Holder has notice thereof). At any time after the Holders of the required percentages of Bonds shall have filed their consent to the Supplemental Indenture, notice, stating in substance that the Supplemental Indenture has been consented to by the Holders of the required percentages of

Bonds and will be effective as provided in this Section, may be given to the Bondholders by mailing such notice to Bondholders. The City shall file with the Trustee proof of giving such notice. Such Supplemental Indenture shall be deemed conclusively binding upon the City, the Fiduciaries and the Holders of all Bonds at the expiration of sixty (60) days after the filing with the Trustee of the proof of the mailing of such notice, except in the event of a final decree of a court of competent jurisdiction setting aside such consent in a legal action or equitable proceeding commenced for such purpose within such sixty day period; provided, however, that any Fiduciary and the City during such sixty day period and any such further period during which any such action or proceeding may be pending shall be entitled in their absolute discretion to take such action, or to refrain from taking such action, with respect to such Supplemental Indenture as they may deem expedient.

Section 1004. Modification by Unanimous Action. Notwithstanding anything contained in Article IX or in the foregoing provisions of this Article, the rights and obligations of the City and of the Holders of the Bonds and the terms and provisions of the Bonds or of the Indenture may be modified or amended in any respect upon the adoption of a Supplemental Indenture by the City and the consent of the Holders of all of the Bonds then Outstanding, such consent to be given as provided in Section 1003 except that no notice to Bondholders shall be required; provided, however, that no such modification or amendment shall change or modify any of the rights or obligations of any Fiduciary without its written assent thereto.

Section 1005. Exclusion of Bonds. Bonds owned or held by or for the account of the City shall not be deemed Outstanding for the purpose of any consent or other action or any calculation of Outstanding Bonds provided for in this Article, and shall not be entitled to consent or take any other action provided for in this Article. At the time of any consent or other action taken under this Article, the City shall furnish the Trustee a certificate of an Authorized Officer, upon which the Trustee may rely, describing all Bonds so to be excluded.

Section 1006. Notation on Bonds. Bonds authenticated and delivered after the effective date of any action taken as hereinabove in this Article X provided may, and, if the Trustee so determines, shall, bear a notation by endorsement or otherwise in form approved by the City and the Trustee as to such action, and in that case upon demand of the Holder of any Bond Outstanding at or after such effective date and presentation of his Bond for the purpose to the Trustee, suitable notation shall be made on such Bond by the Trustee as to any such action. If the City or the Trustee shall so determine, new Bonds so modified as in the opinion of the Trustee and the City to conform to such action shall be prepared, authenticated and delivered, and upon demand of the Holder of any Bond then outstanding shall be exchanged, without cost to such Bondholder, for Bonds of the same Series and maturity then Outstanding, upon surrender of such Bonds.

ARTICLE XI

DEFEASANCE

Section 1101. Defeasance.

(1) If the City shall pay or cause to be paid, or there shall otherwise be paid, to the Holders of the Bonds of a Series then Outstanding, the Principal Amount and interest and Redemption Price, if any, to become due thereon, at the times and in the manner stipulated therein and in the Indenture then the pledge of any Revenues or other moneys, securities, Reserve Deposits and Additional Security, if any, pledged by the Indenture and all other rights granted by the Indenture shall be discharged and satisfied. In such event, the Trustee shall, upon request of the City, execute and deliver to the City all such instruments as may be desirable to evidence such release and discharge and the Fiduciaries shall pay over or deliver to the City all moneys or securities held by them pursuant to the Indenture which are not required for the payment or redemption of Bonds not theretofore surrendered for such payment for redemption.

(2) Bonds or interest installments for the payment or redemption of which moneys shall be held by the Fiduciaries (through deposit by the City of funds for such payment or redemption or otherwise), whether at or prior to the maturity or the redemption date of such Bonds, shall be deemed to have been paid within the meaning and with the effect expressed in paragraph (1) of this Section 1101. All Outstanding Bonds of any Series or any part of a Series shall prior to the maturity or redemption date thereof be deemed to have been paid within the meaning and with the effect expressed in paragraph (1) of this Section 1101 if (i) in case any of said Bonds are to be redeemed on any date prior to their maturity, the City shall have given to the Trustee, in form satisfactory to it, irrevocable instructions to provide as provided in Article IV, notice of redemption on said date of such Bonds, (ii) there shall have been deposited with the Trustee either moneys in an amount which shall be sufficient, or Permitted Investments of the type described in clause (1) of the definition thereof or Advance Refunded Municipal Bonds not subject to redemption at the option of the issuer thereof prior to the due date thereof, the principal of and interest on which when due will provide moneys which, together with the moneys, if any, deposited with the Trustee at the time of deposit of such Permitted Investments, shall be sufficient to pay when due the Principal Amount or Redemption Price, if applicable, and interest due and to become due on said Bonds on and prior to the redemption date or maturity date thereof, as the case may be, and (iii) in the event said Bonds are not by their terms subject to redemption within the next succeeding sixty (60) days, the City shall have given the Trustee in form satisfactory to it irrevocable instructions to provide, as soon as practicable, at least thirty (30) days written notice to the Holders of such Bonds that the deposit required by clause (ii) above has been made with the Trustee and that said Bonds are deemed to have been paid in accordance with paragraph (1) of this Section 1101 and stating the maturity or redemption date upon which moneys are to be available for the payment of the Principal Amount or Redemption Price, if applicable, on said Bonds. Neither Permitted Investments nor moneys deposited with the Trustee pursuant to this Section nor principal or interest payments on any such Permitted

Investments shall be withdrawn or used for any purpose other than, and shall be held in trust for, the payment of the Principal Amount or Redemption Price, if applicable, and interest on said Bonds, provided that any cash received from the principal or interest payments on such Permitted Investments deposited with the Trustee, if not then needed for such purpose, may, to the extent practicable, be reinvested in Permitted Investments maturing at times and in principal amounts sufficient to pay when due the Principal Amount or Redemption Price, if applicable, and interest to become due on said Bonds on and prior to such redemption date or maturity date thereof, as the case may be. After the making of the payments for which such Permitted Investments or moneys were held, any surplus shall be promptly paid over to the City, as received by the Trustee, free and clear of any trust, lien or pledge or assignment securing the Bonds or otherwise existing under this Indenture.

(3) Anything in the Indenture to the contrary notwithstanding, any moneys held by a Fiduciary in trust for the payment and discharge of any Bonds which remain unclaimed for three (3) years after the date when such Bonds have become due and payable, either at their stated maturity dates or by call for earlier redemption, if such moneys were held by the Fiduciary at such date, or for three (3) years after the date of deposit of such moneys if deposited with the Fiduciary after the said date when such Bonds became due and payable, shall, at the written request of the City, be repaid promptly by the Fiduciary to the City, as its absolute property and free from trust, and the Fiduciary shall thereupon be released and discharged with respect thereto and the Bondholders shall look only to the City for the payment of such Bonds; provided, however, that before being required to make any such payment to the City, the Fiduciary shall, at the expense of the City, cause to be mailed to the Holders of all Bonds Outstanding a notice that said moneys remain unclaimed and that, after a date named in said notice, which date shall not be less than thirty (30) days after the date of mailing of such notice, the balance of such moneys then unclaimed will be returned promptly to the City.

ARTICLE XII

MISCELLANEOUS

Section 1201. Evidence of Signatures of Bondholders and Ownership of Bonds.

(1) Any request, consent or other instrument which the Indenture may require or permit to be signed and executed by the Bondholders may be in one or more instruments of similar tenor, and shall be signed or executed by such Bondholders in person or by their attorneys appointed in writing.

(2) The ownership of Bonds and the amount, numbers and other identification, and date of owning the same, shall be proved solely by the registry books.

(3) Any request, consent or vote of the Holder of any Bond shall bind all future Holders of such Bond in respect of anything done or suffered to be done by the City or any Fiduciary in accordance therewith.

Section 1202. Preservation and Inspection of Documents. All documents received by a Fiduciary under the provisions of the Indenture shall be retained in its possession and shall be subject at all reasonable times to the inspection of the City, any other Fiduciary and any Bondholder and their agents and their representatives, any of whom may make copies thereof at their own expense.

Section 1203. No Recourse on the Bonds. No recourse shall be had for the payment of the Principal Amount or Redemption Price of or the interest on the Bonds or for any claim based thereon or on the Indenture against any member, officer, agent, representative or employee of the City or any person executing the Bonds. No member, officer, agent, representative or employee of the City shall be held personally liable to any purchaser or Holder of any Bond under or upon such Bond, or under or upon the Indenture or any Supplemental Indenture relating to Bonds, or, to the extent permitted by law, because of the sale or issuance or attempted sale or issuance of Bonds, or because of any act or omission in connection with the construction, acquisition, operation or maintenance of the System, or because of any act or omission in connection with the investment or management of the Revenues, funds or moneys of the City, or otherwise in connection with the management of its affairs, excepting solely for things wilfully done or omitted to be done with an intent to defraud.

Section 1204. Partial Invalidity. If any provision of the Indenture or any Supplemental Indenture is held invalid in any circumstance, such invalidity shall not affect any other provisions or circumstances.

Section 1205. Law and Place of Enforcement of the Indenture. The Indenture shall be construed and governed in accordance with the laws of the State and all suits and actions arising out of the Indenture shall be instituted in a court of competent jurisdiction in the State.

Section 1206. Business Days. Except as otherwise required herein, if this Indenture requires any parties to act on a specific day and such day is not a Business Day, such parties need not perform such act until the next succeeding Business Day, and such act shall be deemed to have been performed on the day required.

Section 1207. Effective Date. The Indenture shall be effective upon its execution by the City and the Trustee.

IN WITNESS WHEREOF, the Issuer has caused this Indenture to be signed in its name by its Mayor and attested by its City Treasurer, and the Trustee, in acceptance of the trusts created hereunder, has caused this Indenture to be signed in its corporate name by its officer thereunder duly authorized all as of the day and year first above written.

CITY OF WOONSOCKET, RHODE ISLAND

By: Susan D. Menard

By: Paul G. Tanyi, City Treasurer

J.P. MORGAN TRUST COMPANY,
NATIONAL ASSOCIATION, as Trustee

By: [Signature]
Via President

EXHIBIT 1-6

HEALTHCARE COSTS FY2016
 CITY OF WOONSOCKET
VENDOR PAYMENTS REPORT

ADJ BUDGETED:
 Gen Fund #010 \$ 6,116,228
 Library #010 \$ 143,326
 Water #015 \$ 526,503
 User #025 \$ 49,570
 RWT #020 \$ 81,044
\$ 6,916,671

Invoice Date	Vendor	Billing Period	Invoice Amount	Active	Retirees	ACH/Ck Date Paid	Budget Balance
7/7/2015	Sun Life Fin	Stop Loss Ins July 2015	\$ 26,404.60	\$ 26,404.60	\$ -	7/7/2015	\$ 6,890,266.40
7/1/2015	BCBS	Admin Fees July 2015	\$ 83,349.01	\$ 8,127.55	\$ 75,221.46	7/23/2015	\$ 6,806,917.39
7/13/2015	BCBS	Claims 7/1/15 - 7/10/15	\$ 127,317.26	\$ 77,469.61	\$ 49,847.65	7/15/2015	\$ 6,679,600.13
7/21/2015	BCBS	Claims 7/13/15 - 7/15/15	\$ 149,640.56	\$ 95,296.58	\$ 54,343.98	7/23/2015	\$ 6,529,959.57
7/24/2015	BCBS	RX June	\$ 9,116.00	\$ -	\$ 9,116.00	7/24/2015	\$ 6,520,843.57
8/28/2015	BCBS	RX July	\$ 9,328.00	\$ -	\$ 9,328.00	8/28/2015	\$ 6,511,515.57
7/27/2015	BCBS	Claims 7/20/15 - 7/24/15	\$ 88,681.72	\$ 72,973.32	\$ 15,708.40	7/29/2015	\$ 6,422,833.85
8/6/2015	BCBS	Claims 7/27/15 - 7/31/15	\$ 152,706.74	\$ 106,759.06	\$ 45,947.68	8/10/2015	\$ 6,270,127.11
7/29/2015	IRS	Obamacare (Affordable Care Act)	\$ 2,649.00	\$ 2,649.00	\$ -	7/30/2015	\$ 6,267,478.11
As of 7-31-2015		Retiree Copay Reimbursements	\$ (932.10)	\$ -	\$ (932.10)		\$ 6,268,410.21
As of 7-31-2015		Employee Copays	\$ (67,642.89)	\$ (67,642.89)	\$ -		\$ 6,336,053.10
7/16/2015	Medicare/Medicaid	Sup ins premium due to changes Aug	\$ 2,937.80	\$ -	\$ 2,937.80	7/16/2015	\$ 6,333,115.30
9/21/2015	BCBS	RX Aug	\$ 9,328.00	\$ -	\$ 9,328.00	9/21/2015	\$ 6,323,787.30
8/4/2015	Sun Life Fin	Stop Loss Ins Aug 2015	\$ 26,292.24	\$ 26,292.24	\$ -	8/4/2015	\$ 6,297,495.06
8/1/2015	BCBS	Admin Fees Aug 2015	\$ 83,683.02	\$ 8,219.56	\$ 75,463.46	8/19/2015	\$ 6,213,812.04
8/11/2015	BCBS	Claims 8/3/15 - 8/7/15	\$ 71,319.54	\$ 43,483.67	\$ 27,835.87	8/13/2015	\$ 6,142,492.50
8/18/2015	BCBS	Claims 8/11/15 - 8/14/15	\$ 74,237.93	\$ 37,627.48	\$ 36,610.45	8/20/2015	\$ 6,068,254.57
8/24/2015	BCBS	Claims 8/17/15 - 8/21/15	\$ 119,849.69	\$ 77,178.45	\$ 42,671.24	8/26/2015	\$ 5,948,404.88
9/4/2015	BCBS	Claims 8/24/15 - 8/31/15	\$ 136,388.56	\$ 77,852.74	\$ 58,535.82	9/8/2015	\$ 5,812,016.32
As of 8-31-2015		Retiree Copay Reimbursements	\$ (34,678.54)	\$ -	\$ (34,678.54)		\$ 5,846,694.86
As of 8-31-2015		Employee Copays	\$ (67,289.73)	\$ (67,289.73)	\$ -		\$ 5,913,984.59
As of 8-31-2015		Cobra Retiree Billing Fee	\$ 6,100.00	\$ -	\$ 6,100.00		\$ 5,907,884.59
8/17/2015	Medicare/Medicaid	Sup ins premium due to changes Sept	\$ 3,441.40	\$ -	\$ 3,441.40	8/17/2015	\$ 5,904,443.19
10/21/2015	BCBS	RX Sept	\$ 9,540.00	\$ -	\$ 9,540.00	10/21/2015	\$ 5,894,903.19
9/1/2015	Sun Life Fin	Stop Loss Ins Sept 2015	\$ 26,348.42	\$ 26,348.42	\$ -	9/1/2015	\$ 5,868,554.77
9/1/2015	BCBS	Admin Fees Sept 2015	\$ 83,371.02	\$ 8,250.23	\$ 75,120.79	9/16/2015	\$ 5,785,183.75
9/9/2015	BCBS	Claims 9/1/15 - 9/4/15	\$ 63,471.23	\$ 48,656.09	\$ 14,815.14	9/11/2015	\$ 5,721,712.52
9/14/2015	BCBS	Claims 9/8/15 - 9/11/15	\$ 77,538.73	\$ 36,685.16	\$ 40,853.57	9/16/2015	\$ 5,644,173.79
9/21/2015	BCBS	Claims 9/14/15 - 9/18/15	\$ 157,476.75	\$ 81,943.15	\$ 75,533.60	9/23/2015	\$ 5,486,697.04
9/28/2015	BCBS	Claims 9/21/15 - 9/25/15	\$ 87,450.47	\$ 55,261.83	\$ 32,188.64	9/30/2015	\$ 5,399,246.57
10/5/2015	BCBS	Claims 9/28/15 - 9/30/15	\$ 105,665.10	\$ 59,033.54	\$ 46,631.56	10/8/2015	\$ 5,293,581.47
As of 9-30-2015		Retiree Copay Reimbursements	\$ (18,041.31)	\$ -	\$ (18,041.31)		\$ 5,311,622.78
As of 9-30-2015		Employee Copays	\$ (53,808.60)	\$ (53,808.60)	\$ -		\$ 5,365,431.38
As of 9-30-2015		Cobra Retiree Billing Fee	\$ 1,800.00	\$ -	\$ 1,800.00		\$ 5,363,631.38
9/15/2015	Medicare/Medicaid	Sup ins premium due to changes Oct	\$ 3,231.70	\$ -	\$ 3,231.70	9/18/2015	\$ 5,360,399.68
11/25/2015	BCBS	RX Oct	\$ 9,964.00	\$ -	\$ 9,964.00	11/25/2015	\$ 5,350,435.68
9/30/2015	Sun Life Fin	Stop Loss Ins Oct 2015	\$ 26,011.34	\$ 26,011.34	\$ -	9/30/2015	\$ 5,324,424.34
10/1/2015	BCBS	Admin Fees Oct 2015	\$ 82,864.34	\$ 8,035.54	\$ 74,828.80	10/19/2015	\$ 5,241,560.00

HEALTHCARE COSTS FY2016
 CITY OF WOONSOCKET
VENDOR PAYMENTS REPORT

ADJ BUDGETED:
 Gen Fund #010 \$ 6,116,228
 Library #010 \$ 143,326
 Water #015 \$ 526,503
 User #025 \$ 49,570
 RWT #020 \$ 81,044
\$ 6,916,671

Invoice Date	Vendor	Billing Period	Invoice Amount	Active	Retirees	ACH/Ck Date Paid	Budget Balance
10/13/2015	BCBS	Claims 10/1/15 - 10/9/15	\$ 54,217.06	\$ 31,318.23	\$ 22,898.83	10/16/2015	\$ 5,187,342.94
10/14/2015	Employee	Eyecare Reimbursement	\$ 25.00	\$ 25.00	\$ -	10/14/2015	\$ 5,187,317.94
10/19/2015	BCBS	Claims 10/13/15 - 10/16/15	\$ 65,353.06	\$ 32,109.43	\$ 33,243.63	10/21/2015	\$ 5,121,964.88
10/26/2015	BCBS	Claims 10/19/15 - 10/23/15	\$ 115,723.33	\$ 76,043.23	\$ 39,680.10	10/28/2015	\$ 5,006,241.55
10/28/2015	Employee	Eyecare Reimbursement	\$ 75.00	\$ 75.00	\$ -	10/28/2015	\$ 5,006,166.55
11/4/2015	BCBS	Claims 10/26/15 - 10/30/15	\$ 135,996.94	\$ 76,488.97	\$ 59,507.97	11/6/2015	\$ 4,870,169.61
As of 10-31-2015		Retiree Copay Reimbursements	\$ 3,820.75	\$ -	\$ 3,820.75		\$ 4,866,348.86
As of 10-31-2015		Employee Copays	\$ (67,737.68)	\$ (67,737.68)	\$ -		\$ 4,934,086.54
As of 10-31-2015		Cobra Retiree Billing Fee	\$ 1,800.00	\$ -	\$ 1,800.00		\$ 4,932,286.54
10/15/2015	Medicare/Medicaid	Sup ins premium due to changes Nov	\$ 2,298.20	\$ -	\$ 2,298.20	10/14/2015	\$ 4,929,988.34
3/1/2016	BCBS	RX Nov	\$ 10,600.00	\$ -	\$ 10,600.00	3/1/2016	\$ 4,919,388.34
11/1/2015	BCBS	Admin Fees Nov 2015	\$ 84,866.38	\$ 8,067.20	\$ 76,799.18	11/18/2015	\$ 4,834,521.96
11/4/2015	Sun Life Fin	Stop Loss Ins Nov 2015	\$ 25,786.62	\$ 25,786.62	\$ -	11/4/2015	\$ 4,808,735.34
11/3/2015	IRS	Obamacare (Affordable Care Act)	\$ 39,996.00	\$ 39,996.00	\$ -	11/4/2015	\$ 4,768,739.34
11/10/2015	BCBS	Claims 11/2/15 - 11/6/15	\$ 101,061.23	\$ 15,986.69	\$ 85,074.54	11/12/2015	\$ 4,667,678.11
11/17/2015	BCBS	Claims 11/9/15 - 11/13/15	\$ 91,355.63	\$ 56,242.81	\$ 35,112.82	11/19/2015	\$ 4,576,322.48
11/23/2015	BCBS	Claims 11/16/15 - 11/20/15	\$ 141,536.61	\$ 68,084.96	\$ 73,451.65	11/25/2015	\$ 4,434,785.87
12/3/2015	BCBS	Claims 11/23/15 - 11/30/15	\$ 210,217.84	\$ 115,309.14	\$ 94,908.70	12/7/2015	\$ 4,224,568.03
As of 11-30-2015		Retiree Copay Reimbursements	\$ (27,088.22)	\$ -	\$ (27,088.22)		\$ 4,251,656.25
As of 11-30-2015		Employee Copays	\$ (54,129.40)	\$ (54,129.40)	\$ -		\$ 4,305,785.65
As of 11-30-2015		Cobra Retiree Billing Fee	\$ 1,800.00	\$ -	\$ 1,800.00		\$ 4,303,985.65
11/18/2015	Medicare/Medicaid	Sup ins premium due to changes Dec	\$ 3,976.20	\$ -	\$ 3,976.20	11/18/2015	\$ 4,300,009.45
1/20/2016	BCBS	RX Dec	\$ 10,600.00	\$ -	\$ 10,600.00	1/20/2016	\$ 4,289,409.45
11/23/2015	BCBS	Admin Fees Dec 2015	\$ 84,680.12	\$ 8,219.56	\$ 76,460.56	12/16/2015	\$ 4,204,729.33
12/1/2015	Sun Life Fin	Stop Loss Ins Dec 2015	\$ 25,842.80	\$ 25,842.80	\$ -	12/1/2015	\$ 4,178,886.53
12/7/2015	BCBS	Claims 12/1/15 - 12/4/15	\$ 31,470.77	\$ 21,427.01	\$ 10,043.76	12/9/2015	\$ 4,147,415.76
12/14/2015	BCBS	Claims 12/7/15 - 12/11/15	\$ 137,664.07	\$ 52,985.85	\$ 84,678.22	12/16/2015	\$ 4,009,751.69
12/21/2015	BCBS	Claims 12/14/15 - 12/18/15	\$ 183,989.01	\$ 69,739.51	\$ 114,249.50	12/23/2015	\$ 3,825,762.68
12/29/2015	BCBS	Claims 12/21/15 - 12/24/15	\$ 69,305.46	\$ 28,902.21	\$ 40,403.25	12/31/2015	\$ 3,756,457.22
1/6/2016	BCBS	Claims 12/28/15 - 12/31/15	\$ 161,679.37	\$ 85,574.26	\$ 76,105.11	1/8/2016	\$ 3,594,777.85
As of 12-31-2015		Retiree Copay Reimbursements	\$ (23,063.44)	\$ -	\$ (23,063.44)		\$ 3,617,841.29
As of 12-31-2015		Employee Copays	\$ (54,512.65)	\$ (54,512.65)	\$ -		\$ 3,672,353.94
As of 12-31-2015		Cobra Retiree Billing Fee	\$ 1,800.00	\$ -	\$ 1,800.00		\$ 3,670,553.94
12/16/2015	Medicare/Medicaid	Sup ins premium due to changes Jan	\$ 3,641.80	\$ -	\$ 3,641.80	12/16/2015	\$ 3,666,912.14
1/1/2016	Sun Life Fin	Stop Loss Ins Jan 2016	\$ 25,842.80	\$ 25,842.80	\$ -	1/5/2016	\$ 3,641,069.34
2/29/2016	BCBS	RX Jan	\$ 14,332.70	\$ -	\$ 14,332.70	2/29/2016	\$ 3,626,736.64
12/23/2015	BCBS	Admin Fees Jan 2016	\$ 80,262.71	\$ 2,168.89	\$ 72,073.82	1/21/2016	\$ 3,546,473.93
1/14/2016	BCBS	Claims 1/4/16 - 1/8/16	\$ 50,528.27	\$ 43,063.72	\$ 7,464.55	1/19/2016	\$ 3,495,945.66

HEALTHCARE COSTS FY2016
 CITY OF WOONSOCKET
VENDOR PAYMENTS REPORT

ADJ BUDGETED:
 Gen Fund #010 \$ 6,116,228
 Library #010 \$ 143,326
 Water #015 \$ 526,503
 User #025 \$ 49,570
 RWT #020 \$ 81,044
\$ 6,916,671

Invoice Date	Vendor	Billing Period	Invoice Amount	Active	Retirees	ACH/Ck Date Paid	Budget Balance
1/19/2016	BCBS	Claims 1/11/16 - 1/15/16	\$ 83,686.94	\$ 44,351.42	\$ 39,335.52	1/21/2016	\$ 3,412,258.72
1/25/2016	BCBS	Claims 1/18/16 - 1/22/16	\$ 108,129.38	\$ 49,902.35	\$ 58,227.03	1/27/2016	\$ 3,304,129.34
2/3/2016	BCBS	Claims 1/25/16 - 1/29/16	\$ 125,657.90	\$ 67,663.16	\$ 57,994.74	2/5/2016	\$ 3,178,471.44
As of 1-31-2016		Retiree Copay Reimbursements	\$ 4,254.99	\$ -	\$ 4,254.99		\$ 3,174,216.45
As of 1-31-2016		Employee Copays	\$ (55,086.85)	\$ (55,086.85)	\$ -		\$ 3,229,303.30
As of 1-31-2016		Cobra Retiree Billing Fee	\$ 1,800.00	\$ -	\$ 1,800.00		\$ 3,227,503.30
1/13/2016	Medicare/Medicaid	Sup ins premium due to changes Feb	\$ 3,641.80	\$ -	\$ 3,641.80	1/13/2016	\$ 3,223,861.50
3/21/2016	BCBS	RX Feb	\$ 14,332.70	\$ -	\$ 14,332.70	3/21/2016	\$ 3,209,528.80
2/2/2016	BCBS	Admin Fees Feb 2016	\$ 84,642.87	\$ 8,281.89	\$ 76,360.98	2/10/2016	\$ 3,124,885.93
1/27/2016	Sun Life Fin	Stop Loss Ins Feb 2016	\$ 25,955.16	\$ 25,955.16	\$ -	1/27/2016	\$ 3,098,930.77
2/8/2016	BCBS	Claims 2/1/16 - 2/5/16	\$ 98,420.29	\$ 81,163.07	\$ 17,257.22	2/10/2016	\$ 3,000,510.48
2/15/2016	BCBS	Claims 2/8/16 - 2/12/16	\$ 93,772.01	\$ 58,379.70	\$ 35,392.31	2/17/2016	\$ 2,906,738.47
2/22/2016	BCBS	Claims 2/15/16 - 2/19/16	\$ 167,809.07	\$ 142,643.25	\$ 25,165.82	2/24/2016	\$ 2,738,929.40
3/3/2016	BCBS	Claims 2/22/16 - 2/29/16	\$ 179,006.45	\$ 118,296.68	\$ 60,709.77	3/7/2016	\$ 2,559,922.95
As of 2-29-2016		Retiree Copay Reimbursements	\$ (21,619.68)	\$ -	\$ (21,619.68)		\$ 2,581,542.63
As of 2-29-2016		Employee Copays	\$ (54,972.28)	\$ (54,972.28)	\$ -		\$ 2,636,514.91
As of 2-29-2016		Cobra Retiree Billing Fee	\$ 1,800.00	\$ -	\$ 1,800.00		\$ 2,634,714.91
2/16/2016	Medicare/Medicaid	Sup ins premium due to changes Mar	\$ 3,641.80	\$ -	\$ 3,641.80	2/16/2016	\$ 2,631,073.11
3/1/2016	Sun Life Fin	Stop Loss Ins Mar 2016	\$ 26,123.70	\$ 26,123.70	\$ -	3/1/2016	\$ 2,604,949.41
4/20/2016	BCBS	RX Mar	\$ 14,104.70	\$ -	\$ 14,104.70	4/20/2016	\$ 2,590,844.71
2/23/2016	BCBS	Admin Fees Mar 2016	\$ 85,520.43	\$ 8,524.28	\$ 76,996.15	3/15/2016	\$ 2,505,324.28
3/9/2016	BCBS	Claims 3/1/16 - 3/4/16	\$ 24,126.16	\$ 15,128.71	\$ 8,997.45	3/9/2016	\$ 2,481,198.12
3/14/2016	BCBS	Claims 3/7/16 - 3/11/16	\$ 104,658.35	\$ 78,452.60	\$ 26,205.75	3/16/2016	\$ 2,376,539.77
3/21/2016	BCBS	Claims 3/14/16 - 3/18/16	\$ 101,648.86	\$ 66,002.41	\$ 35,646.45	3/23/2016	\$ 2,274,890.91
3/28/2016	BCBS	Claims 3/21/16 - 3/25/16	\$ 118,545.86	\$ 52,430.68	\$ 66,115.18	3/30/2016	\$ 2,156,345.05
4/5/2016	BCBS	Claims 3/28/16 - 3/31/16	\$ 68,888.83	\$ 41,958.43	\$ 26,930.40	4/7/2016	\$ 2,087,456.22
As of 3-31-2016		Retiree Copay Reimbursements	\$ (21,619.68)	\$ -	\$ (21,619.68)		\$ 2,109,075.90
As of 3-31-2016		Employee Copays	\$ (54,922.41)	\$ (54,922.41)	\$ -		\$ 2,163,998.31
As of 3-31-2016		Cobra Retiree Billing Fee	\$ 1,800.00	\$ -	\$ 1,800.00		\$ 2,162,198.31
3/17/2016	Medicare/Medicaid	Sup ins premium due to changes Apr	\$ 3,641.80	\$ -	\$ 3,641.80	3/17/2016	\$ 2,158,556.51
3/30/2016	Sun Life Fin	Stop Loss Ins Apr 2016	\$ 26,292.24	\$ 26,292.24	\$ -	3/30/2016	\$ 2,132,264.27
5/20/2016	BCBS	RX April	\$ 14,104.70	\$ -	\$ 14,104.70	5/20/2016	\$ 2,118,159.57
3/23/2016	BCBS	Admin Fees Apr 2016	\$ 84,866.38	\$ 8,434.25	\$ 76,432.13	3/23/2016	\$ 2,033,293.19
4/12/2016	BCBS	Claims 4/1/16 - 4/8/16	\$ 65,218.28	\$ 35,001.81	\$ 30,216.47	4/14/2016	\$ 1,968,074.91
4/18/2016	BCBS	Claims 4/11/16 - 4/15/16	\$ 75,035.50	\$ 45,646.35	\$ 29,389.15	4/20/2016	\$ 1,893,039.41
4/25/2016	BCBS	Claims 4/18/16 - 4/22/16	\$ 86,650.77	\$ 46,825.85	\$ 39,824.92	4/27/2016	\$ 1,806,388.64
4/25/2016	BCBS	Claims 4/25/16 - 4/29/16	\$ 132,661.77	\$ 79,745.39	\$ 52,916.39	5/6/2016	\$ 1,673,726.87
4/26/2016	Employee	Eyecare Reimbursement	\$ 25.00	\$ 25.00	\$ -	4/25/2016	\$ 1,673,701.87

HEALTHCARE COSTS FY2016
 CITY OF WOONSOCKET
VENDOR PAYMENTS REPORT

ADJ BUDGETED:
 Gen Fund #010 \$ 6,116,228
 Library #010 \$ 143,326
 Water #015 \$ 526,503
 User #025 \$ 49,570
 RWT #020 \$ 81,044
\$ 6,916,671

Invoice Date	Vendor	Billing Period	Invoice Amount	Active	Retirees	ACH/Ck Date Paid	Budget Balance
As of 4-30-2016		Retiree Copay Reimbursements	\$ 2,923.94	\$ -	\$ 2,923.94		\$ 1,670,777.93
As of 4-30-2016		Employee Copays	\$ (68,163.79)	\$ (68,163.79)	\$ -		\$ 1,738,941.72
As of 4-30-2016		Cobra Retiree Billing Fee	\$ 1,800.00	\$ -	\$ 1,800.00		\$ 1,737,141.72
4/20/2016	Medicare/Medicaid	Sup ins premium due to changes May	\$ 3,641.80	\$ -	\$ 3,641.80	4/20/2016	\$ 1,733,499.92
4/27/2016	Sun Life Fin	Stop Loss Ins May 2016	\$ 26,348.42	\$ 26,348.42	\$ -	6/22/2016	\$ 1,707,151.50
6/20/2016	BCBS	RX May	\$ 14,104.70	\$ -	\$ 14,104.70	5/20/2016	\$ 1,693,046.80
4/21/2016	BCBS	Admin Fees May 2016	\$ 84,866.38	\$ 8,434.25	\$ 76,432.13	3/23/2016	\$ 1,608,180.42
5/10/2016	BCBS	Claims 5/2/16 - 5/6/16	\$ 26,718.57	\$ 18,941.50	\$ 7,777.07	5/12/2016	\$ 1,581,461.85
5/17/2016	BCBS	Claims 5/9/16 - 5/13/16	\$ 77,884.29	\$ 49,565.24	\$ 28,319.05	5/18/2016	\$ 1,503,577.56
5/23/2016	BCBS	Claims 5/16/16 - 5/20/16	\$ 98,056.35	\$ 56,918.90	\$ 41,137.45	5/25/2016	\$ 1,405,521.21
6/7/2016	BCBS	Claims 5/23/16 - 5/31/16	\$ 161,877.94	\$ 108,929.81	\$ 52,948.13	6/9/2016	\$ 1,243,643.27
As of 5-31-2016		Retiree Copay Reimbursements	\$ (20,364.24)	\$ -	\$ (20,364.24)		\$ 1,264,007.51
As of 5-31-2016		Employee Copays	\$ (68,914.36)	\$ (68,914.36)	\$ -		\$ 1,332,921.87
As of 5-31-2016		Cobra Retiree Billing Fee	\$ 1,800.00	\$ -	\$ 1,800.00		\$ 1,331,121.87
5/17/2016	Medicare/Medicaid	Sup ins premium due to changes June	\$ 3,641.80	\$ -	\$ 3,641.80	5/17/2016	\$ 1,327,480.07
6/1/2016	Sun Life Fin	Stop Loss Ins June 2016	\$ 26,179.88	\$ 26,179.88	\$ -	6/1/2016	\$ 1,301,300.19
5/23/2016	BCBS	Admin Fees June 2016	\$ 82,580.28	\$ 8,280.90	\$ 74,299.38	6/22/2016	\$ 1,218,719.91
6/14/2016	BCBS	Claims 6/1/16 - 6/10/16	\$ 143,580.58	\$ 63,829.09	\$ 79,751.49	6/16/2016	\$ 1,075,139.33
6/20/2016	BCBS	Claims 6/13/16 - 6/17/16	\$ 109,127.93	\$ 48,605.49	\$ 60,522.44	6/22/2016	\$ 966,011.40
6/27/2016	BCBS	Claims 6/20/16 - 6/24/16	\$ 95,159.38	\$ 67,225.35	\$ 27,934.03	6/29/2016	\$ 870,852.02
7/7/2016	BCBS	Claims 6/27/16 - 6/30/16	\$ 132,329.76	\$ 65,305.52	\$ 67,024.24	7/11/2016	\$ 738,522.26
7/18/2016	BCBS	RX Boisvert	\$ 57.00	\$ -	\$ 57.00	7/18/2016	\$ 738,465.26
7/20/2016	BCBS	RX June	\$ 14,047.70	\$ -	\$ 14,047.70	7/20/2016	\$ 724,417.56
7/26/2016	IRS	PCORI Fee	\$ 2,581.28	\$ 2,581.28	\$ -	7/26/2016	\$ 721,836.28
6/17/2016	Employee	Eyecare Reimbursement	\$ 50.00	\$ 50.00	\$ -	6/17/2016	\$ 721,786.28
As of 6-30-2016		Retiree Copay Reimbursements	\$ (18,503.79)	\$ -	\$ (18,503.79)		\$ 740,290.07
As of 6-30-2016		Employee Copays	\$ (40,803.70)	\$ (40,803.70)	\$ -		\$ 781,093.77
As of 6-30-2016		Cobra Retiree Billing Fee	\$ -	\$ -	\$ -		\$ 781,093.77
		IBNR Analysis (est breakdown)	\$ (65,761.35)	\$ -	\$ (65,761.35)		\$ 846,855.12
		Reclass Hebert Group Pymts	\$ 65,176.50	\$ -	\$ 65,176.50		\$ 781,678.62
				\$ -			
		TOTALS	\$ 6,134,992.38	\$ 2,869,489.72	\$ 3,265,502.66		

11/10/2016 Budget \$ 6,916,671.00
 Expended \$ 6,134,992.38
 Balance \$ 781,678.62

HEALTHCARE COSTS **FY2016**
 CITY OF WOONSOCKET
VENDOR PAYMENTS REPORT

ADJ BUDGETED:

Gen Fund #010	\$	6,116,228
Library #010	\$	143,326
Water #015	\$	526,503
User #025	\$	49,570
RWT #020	\$	81,044
	\$	6,916,671

Invoice Date	Vendor	Billing Period	Invoice Amount	Active	Retirees	ACH/Ck Date Paid	Budget Balance
--------------	--------	----------------	----------------	--------	----------	------------------	----------------

FY13 Avg Monthly Cost \$691,309

FY14 Avg Monthly Cost \$457,235

FY15 Avg Monthly Cost \$483,137

FY16 Avg Monthly Cost \$511,298

FY16 July Monthly Cost	\$580,618
FY16 Aug Monthly Cost	\$428,169
FY16 Sept Monthly Cost	\$544,253
FY16 Oct Monthly Cost	\$431,345
FY16 Nov Monthly Cost	\$628,301
FY16 Dec Monthly Cost	\$633,432
FY16 Jan Monthly Cost	\$443,051
FY16 Feb Monthly Cost	\$592,788
FY16 Mar Monthly Cost	\$472,517
FY16 Apr Monthly Cost	\$425,057
FY16 May Monthly Cost	\$406,020
FY16 June Monthly Cost	\$550,028

HEALTHCARE COSTS FY2017
 CITY OF WOONSOCKET
VENDOR PAYMENTS REPORT

ADJ BUDGETED:
 Gen Fund #010 \$ 6,351,565
 Library #010 \$ 137,266
 Water #015 \$ 533,637
 User #025 \$ 49,570
 RWT #020 \$ 81,044
\$ 7,153,082

Invoice Date	Vendor	Billing Period	Invoice Amount	Active	Retirees	ACH/Ck Date Paid	Budget Balance
7/7/2016	Sun Life Fin	Stop Loss Ins July 2016	\$ 28,584.00	\$ 28,584.00	\$ -	7/7/2016	\$ 7,124,498.00
6/16/2016	Medicare/Medicaid	Sup ins premium due to changes July	\$ 3,641.80	\$ -	\$ 3,641.80	6/16/2016	\$ 7,120,856.20
8/12/2016	BCBS	Med RX July	\$ 14,332.70	\$ -	\$ 14,332.70	8/23/2016	\$ 7,106,523.50
7/21/2016	BCBS	Admin Fees July 2016	\$ 26,324.70	\$ -	\$ 26,324.70	7/21/2016	\$ 7,080,198.80
7/20/2016	BCBS	Admin Fees July 2016	\$ 59,168.33	\$ 8,296.58	\$ 50,871.75	8/17/2016	\$ 7,021,030.47
7/11/2016	BCBS	Claims 7/1/16 - 7/8/16	\$ 36,960.80	\$ 21,350.81	\$ 15,609.99	7/13/2016	\$ 6,984,069.67
7/18/2016	BCBS	Claims 7/11/16 - 7/15/16	\$ 102,146.27	\$ 77,063.50	\$ 25,082.77	7/20/2016	\$ 6,881,923.40
7/25/2016	BCBS	Claims 7/18/16 - 7/22/16	\$ 98,956.60	\$ 57,708.60	\$ 41,248.00	7/27/2016	\$ 6,782,966.80
8/3/2016	BCBS	Claims 7/27/16 - 7/29/16	\$ 243,342.95	\$ 133,231.52	\$ 110,111.43	8/5/2016	\$ 6,539,623.85
As of 7-31-2016		Retiree Copay Reimbursements	\$ (3,845.83)	\$ -	\$ (3,845.83)		\$ 6,543,469.68
As of 7-31-2016		Employee Copays	\$ (83,724.59)	\$ (83,724.59)	\$ -		\$ 6,627,194.27
As of 7-31-2016		Cobra Retiree Billing Renewal Fee	\$ 3,050.00	\$ -	\$ 3,050.00		\$ 6,624,144.27
7/18/2016	Medicare/Medicaid	Sup ins premium due to changes Aug	\$ 3,641.80	\$ -	\$ 3,641.80	7/18/2016	\$ 6,620,502.47
9/26/2016	BCBS	Med RX Aug	\$ 14,332.70	\$ -	\$ 14,332.70	9/26/2016	\$ 6,606,169.77
7/27/2016	Sun Life Fin	Stop Loss Ins Aug 2016	\$ 27,631.20	\$ 27,631.20	\$ -	8/17/2016	\$ 6,578,538.57
8/20/2016	BCBS	Admin Fees Aug 2016	\$ 83,683.02	\$ 8,219.56	\$ 75,463.46	8/19/2015	\$ 6,494,855.55
8/9/2016	BCBS	Claims 8/1/16 - 8/5/16	\$ 66,728.46	\$ 46,343.69	\$ 20,384.77	8/11/2016	\$ 6,428,127.09
8/15/2016	BCBS	Claims 8/9/16 - 8/12/16	\$ 93,404.41	\$ 62,711.22	\$ 30,693.19	8/18/2016	\$ 6,334,722.68
8/2/2016	BCBS	Claims 8/15/16 - 8/19/16	\$ 100,018.16	\$ 66,246.39	\$ 33,771.77	8/24/2016	\$ 6,234,704.52
8/29/2016	BCBS	Claims 8/22/16 - 8/26/16	\$ 103,526.55	\$ 73,192.50	\$ 30,334.05	8/31/2016	\$ 6,131,177.97
9/7/2016	BCBS	Claims 8/29/16 - 8/31/16	\$ 184,074.85	\$ 107,976.39	\$ 76,098.46	9/9/2016	\$ 5,947,103.12
8/31/2016	BCBS	Enrollment Fee	\$ 85.50	\$ 85.50	\$ -	8/31/2016	\$ 5,947,017.62
As of 8-31-2016		Retiree Copay Reimbursements	\$ (15,894.54)	\$ -	\$ (15,894.54)		\$ 5,962,912.16
As of 8-31-2016		Employee Copays	\$ (55,489.20)	\$ (55,489.20)	\$ -		\$ 6,018,401.36
As of 8-31-2016		Cobra Retiree Billing Fee	\$ 1,800.00	\$ -	\$ 1,800.00		\$ 6,016,601.36
8/17/2016	Medicare/Medicaid	Sup ins premium due to changes Sept	\$ 3,641.80	\$ -	\$ 3,641.80	8/17/2016	\$ 6,012,959.56
10/20/2016	BCBS	Med RX Sept	\$ 14,332.70	\$ -	\$ 14,332.70	10/20/2016	\$ 5,998,626.86
8/31/2016	Sun Life Fin	Stop Loss Ins Sept 2016	\$ 27,869.40	\$ 27,869.40	\$ -	8/31/2016	\$ 5,970,757.46
9/1/2016	BCBS	Admin Fees Sept 2016	\$ 89,080.74	\$ 8,502.62	\$ 80,578.12	9/21/2016	\$ 5,881,676.72
9/14/2016	BCBS	Claims 9/1/16 - 9/9/16	\$ 111,284.55	\$ 77,112.57	\$ 34,171.98	9/15/2016	\$ 5,770,392.17
9/20/2016	BCBS	Claims 9/12/16 - 9/16/16	\$ 64,043.29	\$ 38,505.14	\$ 25,538.15	9/22/2016	\$ 5,706,348.88
9/26/2016	BCBS	Claims 9/19/16 - 9/23/16	\$ 106,464.62	\$ 68,920.96	\$ 37,543.66	9/28/2016	\$ 5,599,884.26
10/6/2016	BCBS	Claims 9/26/16 - 9/30/16	\$ 128,515.49	\$ 73,420.34	\$ 55,095.15	10/11/2016	\$ 5,471,368.77
As of 9-30-2016		Retiree Copay Reimbursements	\$ 10,765.17	\$ -	\$ 10,765.17		\$ 5,460,603.60
As of 9-30-2016		Employee Copays	\$ (69,730.80)	\$ (69,730.80)	\$ -		\$ 5,530,334.40
As of 9-30-2016		Cobra Retiree Billing Fee	\$ 1,800.00	\$ -	\$ 1,800.00		\$ 5,528,534.40
9/16/2016	Medicare/Medicaid	Sup ins premium due to changes Oct	\$ 3,641.80	\$ Page 1 of 5	\$ 3,641.80	9/16/2016	\$ 5,524,892.60
11/23/2016	BCBS	Med RX Oct	\$ 14,332.70	\$ -	\$ 14,332.70	11/23/2016	\$ 5,510,559.90

HEALTHCARE COSTS FY2017
 CITY OF WOONSOCKET
VENDOR PAYMENTS REPORT

ADJ BUDGETED:
 Gen Fund #010 \$ 6,351,565
 Library #010 \$ 137,266
 Water #015 \$ 533,637
 User #025 \$ 49,570
 RWT #020 \$ 81,044
\$ 7,153,082

Invoice Date	Vendor	Billing Period	Invoice Amount	Active	Retirees	ACH/Ck Date Paid	Budget Balance
9/28/2016	Sun Life Fin	Stop Loss Ins Oct 2016	\$ 27,928.95	\$ 27,928.95	\$ -	9/28/2016	\$ 5,482,630.95
9/22/2016	BCBS	Admin Fees Oct 2016	\$ 87,050.20	\$ 8,869.32	\$ 78,180.88	10/18/2016	\$ 5,395,580.75
10/11/2016	BCBS	Claims 10/3/16 - 10/7/16	\$ 44,299.02	\$ 32,616.94	\$ 11,682.08	10/13/2016	\$ 5,351,281.73
10/19/2016	BCBS	Claims 10/11/16 - 10/14/16	\$ 76,553.33	\$ 33,505.30	\$ 43,048.03	10/19/2016	\$ 5,274,728.40
10/24/2016	BCBS	Claims 10/17/16 - 10/21/16	\$ 83,582.48	\$ 52,739.74	\$ 30,842.74	10/26/2016	\$ 5,191,145.92
11/7/2016	BCBS	Claims 10/24/16 - 10/31/16	\$ 179,089.36	\$ 109,245.81	\$ 69,843.55	11/8/2016	\$ 5,012,056.56
10/13/2016	BCBS	Enrollment Fee	\$ 322.50	\$ 322.50	\$ -	10/13/2016	\$ 5,011,734.06
As of 10-31-2016		Retiree Copay Reimbursements	\$ (17,193.87)	\$ -	\$ (17,193.87)		\$ 5,028,927.93
As of 10-31-2016		Employee Copays	\$ (55,914.76)	\$ (55,914.76)	\$ -		\$ 5,084,842.69
As of 10-31-2016		Cobra Retiree Billing Fee	\$ 1,800.00	\$ -	\$ 1,800.00		\$ 5,083,042.69
10/14/2016	Medicare/Medicaid	Sup ins premium due to changes Nov	\$ 3,641.80	\$ -	\$ 3,641.80	10/14/2016	\$ 5,079,400.89
10/31/2016	Sun Life Fin	Stop Loss Ins Nov 2016	\$ 28,048.05	\$ 28,048.05	\$ -	10/31/2016	\$ 5,051,352.84
10/22/2016	BCBS	Admin Fees Nov 2016	\$ 87,229.74	\$ 8,713.17	\$ 78,516.57	11/15/2016	\$ 4,964,123.10
1/20/2017	BCBS	Med RX Nov	\$ 14,560.70	\$ -	\$ 14,560.70	1/20/2017	\$ 4,949,562.40
11/7/2016	BCBS	Claims 11/1/16 - 11/4/16	\$ 41,337.99	\$ 28,497.59	\$ 12,840.40	11/9/2016	\$ 4,908,224.41
11/14/2016	BCBS	Claims 11/7/16 - 11/10/16	\$ 85,776.92	\$ 41,424.31	\$ 44,352.61	11/16/2016	\$ 4,822,447.49
11/21/2016	BCBS	Claims 11/14/16 - 11/18/16	\$ 92,894.86	\$ 33,934.39	\$ 58,960.47	11/23/2016	\$ 4,729,552.63
11/28/2016	BCBS	Claims 11/21/16 - 11/23/16	\$ 78,049.19	\$ 58,910.04	\$ 19,139.15	11/30/2016	\$ 4,651,503.44
12/6/2016	BCBS	Claims 11/28/16 - 11/30/16	\$ 101,930.22	\$ 51,287.57	\$ 50,642.65	12/8/2016	\$ 4,549,573.22
As of 11-30-2016		Retiree Copay Reimbursements	\$ (15,442.89)	\$ -	\$ (15,442.89)		\$ 4,565,016.11
As of 11-30-2016		Employee Copays	\$ (56,695.04)	\$ (56,695.04)	\$ -		\$ 4,621,711.15
As of 11-30-2016		Cobra Retiree Billing Fee	\$ 1,800.00	\$ -	\$ 1,800.00		\$ 4,619,911.15
11/16/2016	Medicare/Medicaid	Sup ins premium due to changes Dec	\$ 3,641.80	\$ -	\$ 3,641.80	11/16/2016	\$ 4,616,269.35
11/22/2016	BCBS	Admin Fees Dec 2016	\$ 87,198.51	\$ 8,681.94	\$ 78,516.57	12/21/2016	\$ 4,529,070.84
12/2/2016	Sun Life Fin	Stop Loss Ins Dec 2016	\$ 28,167.15	\$ 28,167.15	\$ -	12/2/2016	\$ 4,500,903.69
1/25/2017	BCBS	Med RX Dec	\$ 14,560.70	\$ -	\$ 14,560.70	1/25/2017	\$ 4,486,342.99
12/13/2016	BCBS	Claims 12/1/16 - 12/9/16	\$ 155,072.26	\$ 50,680.91	\$ 104,391.35	12/15/2016	\$ 4,331,270.73
12/20/2016	BCBS	Claims 12/12/16 - 12/16/16	\$ 65,299.56	\$ 42,953.24	\$ 22,346.32	12/22/2016	\$ 4,265,971.17
12/27/2016	BCBS	Claims 12/19/16 - 12/23/16	\$ 127,120.24	\$ 100,387.65	\$ 26,732.59	12/29/2016	\$ 4,138,850.93
1/4/2017	BCBS	Claims 12/27/16 - 12/30/16	\$ 120,040.32	\$ 66,619.06	\$ 53,421.26	1/6/2017	\$ 4,018,810.61
As of 12-31-2016		Retiree Copay Reimbursements	\$ (14,497.39)	\$ -	\$ (14,497.39)		\$ 4,033,308.00
As of 12-31-2016		Employee Copays	\$ (69,593.52)	\$ (69,593.52)	\$ -		\$ 4,102,901.52
As of 12-31-2016		Cobra Retiree Billing Fee	\$ 1,800.00	\$ -	\$ 1,800.00		\$ 4,101,101.52
1/17/2017	IRS	Obamacare/ACA Fee 2016	\$ 24,111.00	\$ 24,111.00	\$ -	1/17/2017	\$ 4,076,990.52
12/13/2016	Medicare/Medicaid	Sup ins premium due to changes Jan	\$ 4,006.60	\$ -	\$ 4,006.60	12/13/2016	\$ 4,072,983.92
2/27/2017	BCBS	Med RX Jan	\$ 15,442.40	\$ -	\$ 15,442.40	2/27/2017	\$ 4,057,541.52
12/22/2016	BCBS	Admin Fees Jan 2017	\$ 86,371.92	\$ 77,730.58	\$ 8,641.34	1/13/2017	\$ 3,971,169.60
1/4/2017	Sun Life Fin	Stop Loss Ins Jan 2017	\$ 28,167.15	\$ 28,167.15	\$ -	1/4/2017	\$ 3,943,002.45

HEALTHCARE COSTS **FY2017**
 CITY OF WOONSOCKET
VENDOR PAYMENTS REPORT

ADJ BUDGETED:
 Gen Fund #010 \$ 6,351,565
 Library #010 \$ 137,266
 Water #015 \$ 533,637
 User #025 \$ 49,570
 RWT #020 \$ 81,044
\$ 7,153,082

Invoice Date	Vendor	Billing Period	Invoice Amount	Active	Retirees	ACH/Ck Date Paid	Budget Balance
1/9/2017	BCBS	Claims 1/3/17 - 1/6/17	\$ 35,058.84	\$ 22,976.81	\$ 12,082.03	1/11/2017	\$ 3,907,943.61
1/17/2016	BCBS	Claims 1/9/17 - 1/13/17	\$ 81,688.66	\$ 42,618.13	\$ 39,070.53	1/19/2017	\$ 3,826,254.95
1/23/2017	BCBS	Claims 1/17/17 - 1/20/17	\$ 83,703.09	\$ 50,912.47	\$ 32,790.62	1/25/2017	\$ 3,742,551.86
1/30/2017	BCBS	Claims 1/23/17 - 1/27/17	\$ 59,543.75	\$ 29,356.14	\$ 30,187.61	2/1/2017	\$ 3,683,008.11
2/3/2017	BCBS	Claims 1/30/17 - 1/31/17	\$ 77,787.48	\$ 62,642.52	\$ 15,144.96	2/7/2017	\$ 3,605,220.63
1/25/2017	Employee	Eyecare Reimbursement	\$ 25.00	\$ 25.00	\$ -	1/25/2017	\$ 3,605,195.63
As of 1-31-2017		Retiree Copay Reimbursements	\$ 8,958.58	\$ -	\$ 8,958.58		\$ 3,596,237.05
As of 1-31-2017		Employee Copays	\$ (57,293.72)	\$ (57,293.72)	\$ -		\$ 3,653,530.77
As of 1-31-2017		Cobra Retiree Billing Fee	\$ 1,800.00	\$ -	\$ 1,800.00		\$ 3,651,730.77
1/17/2017	Medicare/Medicaid	Sup ins premium due to changes Feb	\$ 4,006.60	\$ -	\$ 4,006.60	1/17/2017	\$ 3,647,724.17
3/23/2017	BCBS	Med RX Feb	\$ 15,442.40	\$ -	\$ 15,442.40	3/29/2017	\$ 3,632,281.77
1/21/2017	BCBS	Admin Fees Feb 2017	\$ 88,418.08	\$ 8,700.07	\$ 79,718.01	2/17/2017	\$ 3,543,863.69
1/31/2017	Sun Life Fin	Stop Loss Ins Feb 2017	\$ 28,286.25	\$ 28,286.25	\$ -	1/31/2017	\$ 3,515,577.44
2/13/2017	BCBS	Claims 2/1/17 - 2/9/17	\$ 267,164.88	\$ 212,442.39	\$ 54,722.49	2/15/2017	\$ 3,248,412.56
2/20/2017	BCBS	Claims 2/10/17 - 2/16/17	\$ 98,404.72	\$ 64,727.78	\$ 33,676.94	2/22/2017	\$ 3,150,007.84
2/27/2017	BCBS	Claims 2/17/17 - 2/23/17	\$ 148,310.15	\$ 121,933.53	\$ 26,376.62	3/2/2017	\$ 3,001,697.69
3/3/2017	BCBS	Claims 2/24/17 - 2/28/17	\$ 88,949.60	\$ 29,766.88	\$ 59,182.72	3/7/2017	\$ 2,912,748.09
2/15/2017	Employee	Eyecare Reimbursement	\$ 25.00	\$ 25.00	\$ -	2/15/2017	\$ 2,912,723.09
As of 2-28-2017		Retiree Copay Reimbursements	\$ (16,598.36)	\$ -	\$ (16,598.36)		\$ 2,929,321.45
As of 2-28-2017		Employee Copays	\$ (57,125.44)	\$ (57,125.44)	\$ -		\$ 2,986,446.89
As of 2-28-2017		Cobra Retiree Billing Fee	\$ 1,800.00	\$ -	\$ 1,800.00		\$ 2,984,646.89
2/21/2017	BCBS	Admin Fees Mar 2017	\$ 88,687.40	\$ 8,856.22	\$ 79,831.18	3/17/2017	\$ 2,895,959.49
3/1/2017	Sun Life Fin	Stop Loss Ins Mar 2017	\$ 28,345.80	\$ 28,345.80	\$ -	3/1/2017	\$ 2,867,613.69
2/14/2017	Medicare/Medicaid	Sup ins premium due to changes Mar	\$ 4,006.60	\$ -	\$ 4,006.60	2/14/2017	\$ 2,863,607.09
4/18/2017	BCBS	Med RX Mar	\$ 15,904.40	\$ -	\$ 15,904.40	4/18/2017	\$ 2,847,702.69
3/3/2017	Bancorp	London Health HSAA Admin	\$ 22.50	\$ 22.50	\$ -	3/3/2017	\$ 2,847,680.19
3/13/2017	BCBS	Claims 3/1/17 - 3/9/17	\$ 132,899.00	\$ 78,620.75	\$ 54,278.25	3/15/2017	\$ 2,714,781.19
3/20/2017	BCBS	Claims 3/10/17 - 3/16/17	\$ 137,405.19	\$ 74,703.41	\$ 62,701.78	3/22/2017	\$ 2,577,376.00
3/27/2017	BCBS	Claims 3/17/17 - 3/23/17	\$ 130,302.16	\$ 70,701.89	\$ 59,600.27	3/29/2017	\$ 2,447,073.84
4/5/2017	BCBS	Claims 3/24/17 - 3/31/17	\$ 162,552.52	\$ 81,750.08	\$ 80,802.44	4/7/2017	\$ 2,284,521.32
As of 3-31-2017		Retiree Copay Reimbursements	\$ 15,575.29	\$ -	\$ 15,575.29		\$ 2,268,946.03
As of 3-31-2017		Employee Copays	\$ (71,563.28)	\$ (71,563.28)	\$ -		\$ 2,340,509.31
As of 3-31-2017		Cobra Retiree Billing Fee	\$ 1,800.00	\$ -	\$ 1,800.00		\$ 2,338,709.31
3/14/2017	Medicare/Medicaid	Sup ins premium due to changes Apr	\$ 3,979.80	\$ -	\$ 3,979.80	3/14/2017	\$ 2,334,729.51
5/22/2017	BCBS	Med RX April	\$ 15,673.40	\$ -	\$ 15,673.40	5/22/2017	\$ 2,319,056.11
3/21/2017	BCBS	Admin Fees Apr 2017	\$ 83,796.39	\$ 8,860.40	\$ 74,935.99	4/14/2017	\$ 2,235,259.72
3/29/2017	Sun Life Fin	Stop Loss Ins Apr 2017	\$ 28,286.25	\$ 28,286.25	\$ -	3/29/2017	\$ 2,206,973.47
4/10/2017	BCBS	Claims 4/1/17 - 4/6/17	\$ 71,877.68	\$ 38,702.39	\$ 33,175.29	4/12/2017	\$ 2,135,095.79

HEALTHCARE COSTS FY2017
 CITY OF WOONSOCKET
VENDOR PAYMENTS REPORT

ADJ BUDGETED:
 Gen Fund #010 \$ 6,351,565
 Library #010 \$ 137,266
 Water #015 \$ 533,637
 User #025 \$ 49,570
 RWT #020 \$ 81,044
\$ 7,153,082

Invoice Date	Vendor	Billing Period	Invoice Amount	Active	Retirees	ACH/Ck Date Paid	Budget Balance
4/17/2017	BCBS	Claims 4/7/17 - 4/13/17	\$ 139,195.62	\$ 82,300.64	\$ 56,894.98	4/19/2017	\$ 1,995,900.17
4/24/2017	BCBS	Claims 4/14/17 - 4/20/17	\$ 73,311.02	\$ 35,791.69	\$ 37,519.33	4/26/2017	\$ 1,922,589.15
5/3/2017	BCBS	Claims 4/21/17 - 4/30/17	\$ 158,940.04	\$ 70,334.97	\$ 88,605.07	5/5/2017	\$ 1,763,649.11
As of 4-30-2017		Retiree Copay Reimbursements	\$ (775.48)	\$ -	\$ (775.48)		\$ 1,764,424.59
As of 4-30-2017		Employee Copays	\$ (57,905.44)	\$ (57,905.44)	\$ -		\$ 1,822,330.03
As of 4-30-2017		Cobra Retiree Billing Fee	\$ 1,800.00	\$ -	\$ 1,800.00		\$ 1,820,530.03
4/12/2017	Medicare/Medicaid	Sup ins premium due to changes May	\$ 3,993.20	\$ -	\$ 3,993.20	4/12/2017	\$ 1,816,536.83
5/2/2017	Sun Life Fin	Stop Loss Ins May 2017	\$ 28,643.55	\$ 28,643.55	\$ -	5/2/2017	\$ 1,787,893.28
7/19/2017	BCBS	Med RX May	\$ 15,673.40	\$ -	\$ 15,673.40	7/19/2017	\$ 1,772,219.88
4/21/2017	BCBS	Admin Fees May 2017	\$ 87,157.10	\$ 9,252.13	\$ 77,904.97	5/16/2017	\$ 1,685,062.78
5/8/2017	BCBS	Claims 5/1/17 - 5/4/17	\$ 61,907.10	\$ 23,331.55	\$ 38,575.55	5/10/2017	\$ 1,623,155.68
5/15/2017	BCBS	Claims 5/5/17 - 5/11/17	\$ 96,159.46	\$ 59,343.55	\$ 36,815.91	5/17/2017	\$ 1,526,996.22
5/22/2017	BCBS	Claims 5/12/17 - 5/18/17	\$ 67,477.67	\$ 36,190.18	\$ 31,287.49	5/24/2017	\$ 1,459,518.55
5/30/2017	BCBS	Claims 5/19/17 - 5/25/17	\$ 122,642.02	\$ 53,980.30	\$ 68,661.72	6/1/2017	\$ 1,336,876.53
6/5/2017	BCBS	Claims 5/26/17 - 5/31/17	\$ 80,024.93	\$ 49,611.06	\$ 30,413.87	6/7/2017	\$ 1,256,851.60
As of 5-31-2017		Retiree Copay Reimbursements	\$ (11,491.11)	\$ -	\$ (11,491.11)		\$ 1,268,342.71
As of 5-31-2017		Employee Copays	\$ (64,259.48)	\$ (64,259.48)	\$ -		\$ 1,332,602.19
As of 5-31-2017		Cobra Retiree Billing Fee	\$ 1,800.00	\$ -	\$ 1,800.00		\$ 1,330,802.19
5/17/2017	Medicare/Medicaid	Sup ins premium due to changes June	\$ 3,993.20	\$ -	\$ 3,993.20	5/17/2017	\$ 1,326,808.99
6/1/2017	Sun Life Fin	Stop Loss Ins June 2017	\$ 28,464.90	\$ 28,464.90	\$ -	6/1/2017	\$ 1,298,344.09
7/19/2017	BCBS	Med RX June	\$ 15,673.40	\$ -	\$ 15,673.40	7/19/2017	\$ 1,282,670.69
5/21/2017	BCBS	Admin Fees June 2017	\$ 87,022.86	\$ 8,369.39	\$ 78,653.47	6/21/2017	\$ 1,195,647.83
6/12/2017	BCBS	Claims 6/1/17 - 6/8/17	\$ 153,764.23	\$ 54,086.65	\$ 99,677.58	6/14/2017	\$ 1,041,883.60
6/19/2017	BCBS	Claims 6/9/17 - 6/15/17	\$ 139,798.68	\$ 97,179.21	\$ 42,619.47	6/21/2017	\$ 902,084.92
6/26/2017	BCBS	Claims 6/16/17 - 6/22/17	\$ 150,745.24	\$ 124,279.05	\$ 26,466.19	6/28/2017	\$ 751,339.68
7/5/2017	BCBS	Claims 6/23/17 - 6/30/17	\$ 128,428.08	\$ 61,590.26	\$ 66,837.82	7/7/2017	\$ 622,911.60
7/26/2017	IRS	PCOR Fee	\$ 2,590.98	\$ 2,590.98	\$ -	7/26/2017	\$ 620,320.62
7/7/2017	Employee	Eyecare Reimbursement	\$ 25.00	\$ 25.00	\$ -	7/7/2017	\$ 620,295.62
		Enterprise Charge to GF contra	\$ 48,796.00	\$ 48,796.00	\$ -		\$ 571,499.62
As of 6-30-2017		Retiree Copay Reimbursements	\$ (15,098.96)	\$ -	\$ (15,098.96)		\$ 586,598.58
As of 6-30-2017		Employee Copays	\$ (58,138.96)	\$ (58,138.96)	\$ -		\$ 644,737.54
As of 6-30-2017		Cobra Retiree Billing Fee	\$ 1,800.00	\$ -	\$ 1,800.00		\$ 642,937.54
		IBNR Analysis (est breakdown)	\$ (4,299.97)	\$ (4,299.97)	\$ -		\$ 647,237.51
		Reclass Hebert Group Pymts	\$ 13,489.43	\$ -	\$ 13,489.43		\$ 633,748.08
		TOTALS	\$ 6,519,333.92	\$ 3,093,115.13	\$ 3,426,218.79		

HEALTHCARE COSTS **FY2017**
 CITY OF WOONSOCKET
VENDOR PAYMENTS REPORT

ADJ BUDGETED:

Gen Fund #010	\$	6,351,565
Library #010	\$	137,266
Water #015	\$	533,637
User #025	\$	49,570
RWT #020	\$	81,044
	\$	7,153,082

Invoice Date	Vendor	Billing Period	Invoice Amount	Active	Retirees	ACH/Ck Date Paid	Budget Balance
--------------	--------	----------------	----------------	--------	----------	------------------	----------------

Expended \$ 6,519,333.92

Balance \$ 633,748.08

Healthcare Reserve \$ (588,000.00)

\$ 45,748.08 After \$209,000 transfer out

FY13 Avg Monthly Cost \$691,309
FY14 Avg Monthly Cost \$457,235
FY15 Avg Monthly Cost \$483,137
FY16 Avg Monthly Cost \$511,309
FY17 Avg Monthly Cost \$542,512

FY17 July Monthly Cost \$528,938
 FY17 Aug Monthly Cost \$607,543
 FY17 Sept Monthly Cost \$488,067
 FY17 Oct Monthly Cost \$445,492
 FY17 Nov Monthly Cost \$463,132
 FY17 Dec Monthly Cost \$542,921
 FY17 Jan Monthly Cost \$425,260
 FY17 Feb Monthly Cost \$667,084
 FY17 Mar Monthly Cost \$645,938
 FY17 Apr Monthly Cost \$518,179
 FY17 May Monthly Cost \$489,728
 FY17 June Monthly Cost \$687,865

HEALTHCARE COSTS FY2018
 CITY OF WOONSOCKET
VENDOR PAYMENTS REPORT

BUDGETED:
 Gen Fund #010 \$ 6,335,647
 Library #010 \$ 144,129
 Water #015 \$ 533,637
 User #025 \$ 49,570
 RWT #020 \$ 81,044
\$ 7,144,027

Invoice Date	Vendor	Billing Period	Invoice Amount	Active	Retirees	ACH/Ck Date Paid	Budget Balance
7/12/2017	Medicare/Medicaid	Sup ins premium due to changes July	\$ 7,986.40	\$ -	\$ 7,986.40	7/12/2017	\$ 7,136,040.60
7/12/2017	BCBS	Admin Fees July 2017	\$ 112,801.35	\$ 24,086.62	\$ 88,714.73	7/19/2017	\$ 7,023,239.25
7/10/2017	BCBS	Claims 7/3/17 - 7/6/17	\$ 72,868.96	\$ 28,388.27	\$ 44,480.69	7/12/2017	\$ 6,950,370.29
7/17/2017	BCBS	Claims 7/7/17 - 7/13/17	\$ 66,334.14	\$ 41,038.47	\$ 25,295.67	7/19/2017	\$ 6,884,036.15
7/24/2017	BCBS	Claims 7/14/17 - 7/20/17	\$ 105,314.26	\$ 84,526.07	\$ 20,788.19	7/26/2017	\$ 6,778,721.89
8/3/2017	BCBS	Claims 7/21/17 - 7/31/17	\$ 212,563.23	\$ 132,234.51	\$ 80,328.72	8/7/2017	\$ 6,566,158.66
8/25/2017	BCBS	Med RX July	\$ 15,673.40	\$ -	\$ 15,673.40	8/25/2017	\$ 6,550,485.26
As of 7-31-2017		Retiree Copay Reimbursements	\$ (3,488.74)	\$ -	\$ (3,488.74)		\$ 6,553,974.00
As of 7-31-2017		Employee Copays	\$ (58,617.07)	\$ (58,617.07)	\$ -		\$ 6,612,591.07
As of 7-31-2017		Cobra Retiree Billing Renewal Fee	\$ 4,850.00	\$ -	\$ 4,850.00		\$ 6,607,741.07
7/20/2017	BCBS	Admin Fees August 2017	\$ 118,897.40	\$ 26,675.12	\$ 92,222.28	8/11/2017	\$ 6,488,843.67
8/7/2017	BCBS	Claims 8/1/17 - 8/3/17	\$ 115,059.52	\$ 93,772.32	\$ 21,287.20	8/9/2017	\$ 6,373,784.15
8/15/2017	BCBS	Claims 8/4/17 - 8/10/17	\$ 96,569.96	\$ 62,223.57	\$ 34,346.39	8/17/2017	\$ 6,277,214.19
8/16/2017	BCBS	Med August	\$ 3,993.00	\$ -	\$ 3,993.00	8/16/2017	\$ 6,273,221.19
8/21/2017	BCBS	Claims 8/11/17 - 8/17/17	\$ 89,570.15	\$ 57,368.31	\$ 32,201.84	8/23/2017	\$ 6,183,651.04
8/28/2017	BCBS	Claims 8/18/17 - 8/24/17	\$ 82,926.03	\$ 42,925.02	\$ 40,001.01	8/30/2017	\$ 6,100,725.01
9/6/2017	BCBS	Claims 8/25/17 - 8/31/17	\$ 179,096.50	\$ 146,468.35	\$ 32,628.15	9/8/2017	\$ 5,921,628.51
9/21/2017	BCBS	Med RX August	\$ 15,673.40	\$ -	\$ 15,673.40	9/21/2017	\$ 5,905,955.11
As of 8-31-2017		Retiree Copay Reimbursements	\$ (11,966.12)	\$ -	\$ (11,966.12)		\$ 5,917,921.23
As of 8-31-2017		Employee Copays	\$ (64,574.90)	\$ (64,574.90)	\$ -		\$ 5,982,496.13
As of 8-31-2017		Cobra Retiree Billing Renewal Fee	\$ 1,800.00	\$ -	\$ 1,800.00		\$ 5,980,696.13
10/24/2017	BCBS	Med RX September	\$ 15,904.40	\$ -	\$ 15,904.40	10/24/2017	\$ 5,964,791.73
9/1/2017	BCBS	Admin Fees September 2017	\$ 117,054.84	\$ 25,323.66	\$ 91,731.18	9/20/2017	\$ 5,847,736.89
9/11/2017	BCBS	Claims 9/1/17 - 9/7/17	\$ 132,970.86	\$ 86,095.73	\$ 46,875.13	9/13/2017	\$ 5,714,766.03
9/15/2017	BCBS	Med September	\$ 3,912.80	\$ -	\$ 3,912.80	9/15/2017	\$ 5,710,853.23
9/18/2017	BCBS	Claims 9/8/17 - 9/14/17	\$ 92,072.87	\$ 44,868.39	\$ 47,204.48	9/20/2017	\$ 5,618,780.36
9/25/2017	BCBS	Claims 9/15/17 - 9/21/17	\$ 121,396.47	\$ 92,658.44	\$ 28,738.03	9/27/2017	\$ 5,497,383.89
10/4/2017	BCBS	Claims 9/22/17 - 9/30/17	\$ 96,119.34	\$ 61,377.71	\$ 34,741.63	10/6/2017	\$ 5,401,264.55
9/26/2017		RDS Recon Retiree Drugs	\$ (777.57)	\$ -	\$ (777.57)	10/13/2017	\$ 5,402,042.12
As of 9-30-2017		Retiree Copay Reimbursements	\$ 17,728.27	\$ -	\$ 17,728.27		\$ 5,384,313.85
As of 9-30-2017		Employee Copays	\$ (59,792.44)	\$ (59,792.40)	\$ (0.04)		\$ 5,444,106.29
As of 9-30-2017		Cobra Retiree Billing Renewal Fee	\$ 1,800.00	\$ -	\$ 1,800.00		\$ 5,442,306.29
10/1/2017	BCBS	Admin Fees October 2017	\$ 118,715.69	\$ 23,542.50	\$ 95,173.19	10/18/2017	\$ 5,323,590.60
10/24/2017	London Health	H SA Admin Fee	\$ 335.00	\$ 335.00	\$ -	10/24/2017	\$ 5,323,255.60
10/25/2017	RI MIC	Enrollment	\$ 958.00	\$ 958.00	\$ -	10/25/2017	\$ 5,322,297.60
10/10/2017	BCBS	Claims 10/2/17 - 10/5/17	\$ 67,239.33	\$ 42,017.70	\$ 25,221.63	10/12/2017	\$ 5,255,058.27
10/13/2017	BCBS	Med October	\$ 3,953.00	\$ -	\$ 3,953.00	10/13/2017	\$ 5,251,105.27
10/16/2017	BCBS	Claims 10/6/17 - 10/12/17	\$ 98,857.48	\$ 45,690.52	\$ 53,166.96	10/18/2017	\$ 5,152,247.79

HEALTHCARE COSTS FY2018
 CITY OF WOONSOCKET
VENDOR PAYMENTS REPORT

BUDGETED:

Gen Fund #010	\$	6,335,647
Library #010	\$	144,129
Water #015	\$	533,637
User #025	\$	49,570
RWT #020	\$	81,044
	\$	7,144,027

Invoice Date	Vendor	Billing Period	Invoice Amount	Active	Retirees	ACH/Ck Date Paid	Budget Balance
10/23/2017	BCBS	Claims 10/13/17 - 10/19/17	\$ 92,529.29	\$ 59,927.64	\$ 32,601.65	10/25/2017	\$ 5,059,718.50
10/30/2017	BCBS	Claims 10/20/17 - 10/26/17	\$ 79,322.34	\$ 25,732.71	\$ 53,589.63	11/1/2017	\$ 4,980,396.16
11/3/2017	BCBS	Claims 10/27/17 - 10/31/17	\$ 52,948.57	\$ 29,041.56	\$ 23,907.01	11/7/2017	\$ 4,927,447.59
11/20/2017	BCBS	Med RX October	\$ 16,135.40	\$ -	\$ 16,135.40	11/20/2017	\$ 4,911,312.19
As of 10-31-2017		Retiree Copay Reimbursements	\$ (10,677.70)		\$ (10,677.70)		\$ 4,921,989.89
As of 10-31-2017		Employee Copays	\$ (86,219.56)	\$ (86,219.56)	\$ -		\$ 5,008,209.45
As of 10-31-2017		Cobra Retiree Billing Renewal Fee	\$ 1,800.00	\$ -	\$ 1,800.00		\$ 5,006,409.45
11/20/2017	BCBS	Med November	\$ 3,953.00	\$ -	\$ 3,953.00	11/21/2017	\$ 5,002,456.45
12/15/2017	BCBS	Med RX November	\$ 16,135.40	\$ -	\$ 16,135.40	12/15/2017	\$ 4,986,321.05
11/1/2017	BCBS	Admin Fees November 2017	\$ 117,583.78	\$ 25,489.91	\$ 92,093.87	11/24/2017	\$ 4,868,737.27
11/13/2017	BCBS	Claims 11/1/17 - 11/9/17	\$ 184,924.28	\$ 58,876.14	\$ 126,048.14	11/15/2017	\$ 4,683,812.99
11/21/2017	BCBS	Claims 11/10/17 - 11/16/17	\$ 113,710.37	\$ 55,352.32	\$ 58,358.05	11/24/2017	\$ 4,570,102.62
11/27/2017	BCBS	Claims 11/17/17 - 11/22/17	\$ 81,647.25	\$ 46,785.09	\$ 34,862.16	11/29/2017	\$ 4,488,455.37
12/5/2017	BCBS	Claims 11/24/17 - 11/30/17	\$ 114,037.77	\$ 62,776.09	\$ 51,261.68	12/7/2017	\$ 4,374,417.60
As of 11-30-2017		Retiree Copay Reimbursements	\$ (28,630.52)		\$ (28,630.52)		\$ 4,403,048.12
As of 11-30-2017		Employee Copays	\$ (60,830.16)	\$ (60,830.16)	\$ -		\$ 4,463,878.28
As of 11-30-2017		Cobra Retiree Billing Renewal Fee	\$ 1,800.00	\$ -	\$ 1,800.00		\$ 4,462,078.28
11/21/2017	BCBS	Admin Fees December 2017	\$ 117,630.53	\$ 25,435.28	\$ 92,195.25	12/20/2017	\$ 4,344,447.75
12/11/2017	BCBS	Claims 12/1/17 - 12/7/17	\$ 120,988.88	\$ 65,320.42	\$ 55,668.46	12/13/2017	\$ 4,223,458.87
12/18/2017	BCBS	Claims 12/8/17 - 12/14/17	\$ 185,536.31	\$ 63,842.02	\$ 121,694.29	12/20/2017	\$ 4,037,922.56
12/26/2017	BCBS	Claims 12/15/17 - 12/21/17	\$ 127,846.60	\$ 86,124.62	\$ 41,721.98	12/28/2017	\$ 3,910,075.96
1/2/2018	BCBS	Med RX December	\$ 16,135.40	\$ -	\$ 16,135.40	1/2/2018	\$ 3,893,940.56
1/3/2018	BCBS	Med December	\$ 3,953.00	\$ -	\$ 3,953.00	1/3/2018	\$ 3,889,987.56
1/3/2018	BCBS	Claims 12/22/17 - 12/31/17	\$ 117,981.43	\$ 60,758.20	\$ 57,223.23	1/5/2018	\$ 3,772,006.13
As of 12-31-2017		Retiree Copay Reimbursements	\$ 33,300.08		\$ 33,300.08		\$ 3,738,706.05
As of 12-31-2017		Employee Copays	\$ (60,473.22)	\$ (60,472.33)	\$ (0.89)		\$ 3,799,179.27
As of 12-31-2017		Cobra Retiree Billing Renewal Fee	\$ 1,800.00	\$ -	\$ 1,800.00		\$ 3,797,379.27
1/8/2018	BCBS	Claims 1/2/18 - 1/4/18	\$ 77,864.85	\$ 50,942.19	\$ 26,922.66	1/10/2018	\$ 3,719,514.42
1/1/2018	BCBS	Admin Fees January 2018	\$ 118,561.53	\$ 25,441.35	\$ 93,120.18	1/18/2018	\$ 3,600,952.89
1/18/2018	BCBS	Med January	\$ 3,872.60	\$ -	\$ 3,872.60	1/18/2018	\$ 3,597,080.29
2/22/2018	BCBS	Med RX January	\$ 16,135.00	\$ -	\$ 16,135.00	2/22/2018	\$ 3,580,945.29
1/16/2018		Claims 1/5/18 - 1/11/18	\$ 127,356.67	\$ 33,916.08	\$ 93,440.59	1/18/2018	\$ 3,453,588.62
1/22/2018	BCBS	Claims 1/12/18 - 1/18/18	\$ 136,958.99	\$ 102,004.85	\$ 34,954.14	1/24/2018	\$ 3,316,629.63
1/29/2018	BCBS	Claims 1/19/18 - 1/25/18	\$ 176,335.24	\$ 102,908.06	\$ 73,427.18	1/31/2018	\$ 3,140,294.39
2/5/2018	BCBS	Claims 1/26/18 - 1/31/18	\$ 111,161.67	\$ 73,893.11	\$ 37,268.56	2/17/2018	\$ 3,029,132.72
As of 1-31-2018		Retiree Copay Reimbursements	\$ (15,070.95)		\$ (15,070.95)		\$ 3,044,203.67
As of 1-31-2018		Employee Copays	\$ (60,954.07)	\$ (60,954.07)	\$ -		\$ 3,105,157.74
As of 1-31-2018		Cobra Retiree Billing Renewal Fee	\$ 1,800.00	\$ -	\$ 1,800.00		\$ 3,103,357.74

HEALTHCARE COSTS FY2018
 CITY OF WOONSOCKET
VENDOR PAYMENTS REPORT

BUDGETED:
 Gen Fund #010 \$ 6,335,647
 Library #010 \$ 144,129
 Water #015 \$ 533,637
 User #025 \$ 49,570
 RWT #020 \$ 81,044
\$ 7,144,027

Invoice Date	Vendor	Billing Period	Invoice Amount	Active	Retirees	ACH/Ck Date Paid	Budget Balance
2/1/2018	BCBS	Admin Fees February 2018	\$ 118,186.03	\$ 25,784.09	\$ 92,401.94	2/21/2018	\$ 2,985,171.71
2/14/2018	BCBS	Med February	\$ 3,912.80	\$ -	\$ 3,912.80	2/14/2018	\$ 2,981,258.91
3/22/2018	BCBS	Med RX Feb	\$ 16,135.00	\$ -	\$ 16,135.00	3/22/2018	\$ 2,965,123.91
2/12/2018	BCBS	Claims 2/1/18 - 2/8/18	\$ 170,639.66	\$ 107,164.24	\$ 63,475.42	2/14/2018	\$ 2,794,484.25
2/15/2018	BCBS	Claims 2/9/18 - 2/15/18	\$ 77,042.34	\$ 55,636.86	\$ 21,405.48	2/15/2018	\$ 2,717,441.91
2/26/2018	BCBS	Claims 2/16/18 - 2/22/18	\$ 100,777.57	\$ 69,782.54	\$ 30,995.03	2/28/2018	\$ 2,616,664.34
3/5/2018	BCBS	Claims 2/23/18 - 2/28/18	\$ 176,282.92	\$ 69,808.21	\$ 106,474.71	3/7/2018	\$ 2,440,381.42
As of 2-28-2018		Retiree Copay Reimbursements	\$ (8,461.46)		\$ (8,461.46)		\$ 2,448,842.88
As of 2-28-2018		Employee Copays	\$ (66,054.85)	\$ (66,054.85)	\$ -		\$ 2,514,897.73
As of 2-28-2018		Cobra Retiree Billing Renewal Fee	\$ 1,800.00	\$ -	\$ 1,800.00		\$ 2,513,097.73
3/1/2018	BCBS	Admin Fees March 2018	\$ 117,700.33	\$ 25,098.41	\$ 92,601.92	3/21/2018	\$ 2,395,397.40
3/21/2018	BCBS	Medicare March	\$ 3,912.80	\$ -	\$ 3,912.80	3/21/2018	\$ 2,391,484.60
4/24/2018	BCBS	Med RX March 2018	\$ 16,135.00	\$ -	\$ 16,135.00	4/24/2018	\$ 2,375,349.60
3/12/2018	BCBS	Claims 3/1/18 - 3/8/18	\$ 156,593.00	\$ 61,435.35	\$ 95,157.65	3/14/2018	\$ 2,218,756.60
3/19/2018	BCBS	Claims 3/9/18 - 3/15/18	\$ 83,764.89	\$ 44,913.76	\$ 38,851.13	3/21/2018	\$ 2,134,991.71
3/26/2018	BCBS	Claims 3/16/18 - 3/22/18	\$ 155,291.00	\$ 116,204.79	\$ 39,086.21	3/28/2018	\$ 1,979,700.71
4/4/2018	BCBS	Claims 3/23/18 - 3/30/18	\$ 127,467.00	\$ 79,062.60	\$ 48,404.40	4/6/2018	\$ 1,852,233.71
As of 3-31-2018		Retiree Copay Reimbursements	\$ 28,720.94		\$ 28,720.94		\$ 1,823,512.77
As of 3-31-2018		Employee Copays	\$ (61,102.46)	\$ (61,102.46)	\$ -		\$ 1,884,615.23
As of 3-31-2018		Cobra Retiree Billing Renewal Fee	\$ 1,800.00	\$ -	\$ 1,800.00		\$ 1,882,815.23
4/1/2018	BCBS	Admin Fees April 2018	\$ 118,563.43	\$ 24,985.36	\$ 93,578.07	4/18/2018	\$ 1,764,251.80
4/17/2018	BCBS	Medicare April 2018	\$ 3,912.80	\$ -	\$ 3,912.80	4/17/2018	\$ 1,760,339.00
5/23/2018	BCBS	Med RX April 2018	\$ 16,135.00	\$ -	\$ 16,135.00	5/23/2018	\$ 1,744,204.00
4/9/2018	BCBS	Claims 4/2/18 - 4/5/18	\$ 128,975.80	\$ 47,302.52	\$ 81,673.28	4/11/2018	\$ 1,615,228.20
4/16/2018	BCBS	Claims 4/6/18 - 4/12/18	\$ 233,528.53	\$ 110,753.43	\$ 122,775.10	4/18/2018	\$ 1,381,699.67
4/23/2018	BCBS	Claims 4/13/18 - 4/19/18	\$ 132,805.20	\$ 48,468.22	\$ 84,336.98	4/25/2018	\$ 1,248,894.47
5/3/2018	BCBS	Claims 4/20/18 - 4/30/18	\$ 230,149.30	\$ 141,704.67	\$ 88,444.63	5/7/2018	\$ 1,018,745.17
As of 4-30-2018		Retiree Copay Reimbursements	\$ (14,360.42)		\$ (14,360.42)		\$ 1,033,105.59
As of 4-30-2018		Employee Copays	\$ (59,840.60)	\$ (59,840.60)	\$ -		\$ 1,092,946.19
As of 4-30-2018		Cobra Retiree Billing Renewal Fee	\$ 1,800.00	\$ -	\$ 1,800.00		\$ 1,091,146.19
5/15/2018	BCBS	Medicare May 2018	\$ 3,912.80	\$ -	\$ 3,912.80	5/15/2018	\$ 1,087,233.39
6/21/2018	BCBS	Med RX May 2018	\$ 16,135.00	\$ -	\$ 16,135.00	6/21/2018	\$ 1,071,098.39
5/1/2018	BCBS	Admin Fees May 2018	\$ 106,866.78	\$ 25,510.29	\$ 81,356.49	5/16/2018	\$ 964,231.61
5/7/2018	BCBS	Claims 5/1/18 - 5/3/18	\$ 50,499.22	\$ 29,401.26	\$ 21,097.96	5/9/2018	\$ 913,732.39
5/14/2018	BCBS	Claims 5/4/18 - 5/10/18	\$ 75,438.13	\$ 47,680.79	\$ 27,757.34	5/16/2018	\$ 838,294.26
5/21/2018	BCBS	Claims 5/11/18 - 5/17/18	\$ 151,890.89	\$ 74,530.00	\$ 77,360.89	5/23/2018	\$ 686,403.37
5/29/2018	BCBS	Claims 5/18/18 - 5/24/18	\$ 151,553.58	\$ 81,569.32	\$ 83,384.26	5/31/2018	\$ 534,849.79
6/5/2018	BCBS	Claims 5/25/18 - 5/31/18	\$ 111,443.38	\$ 78,864.43	\$ 32,578.95	6/7/2018	\$ 423,406.41

HEALTHCARE COSTS **FY2018**
 CITY OF WOONSOCKET
VENDOR PAYMENTS REPORT

BUDGETED:

Gen Fund #010	\$	6,335,647
Library #010	\$	144,129
Water #015	\$	533,637
User #025	\$	49,570
RWT #020	\$	81,044
	\$	7,144,027

Invoice Date	Vendor	Billing Period	Invoice Amount	Active	Retirees	ACH/Ck Date Paid	Budget Balance
FY18 Dec	Monthly Cost		\$664,699				
FY18 Jan	Monthly Cost		\$694,022				
FY18 Feb	Monthly Cost		\$590,260				
FY18 Mar	Monthly Cost		\$630,283				
FY18 April	Monthly Cost		\$791,669				
FY18 May	Monthly Cost		\$600,276				
FY18 June	Monthly Cost		\$662,689				

Beacon -Worker's Compensation Insurance

Total Beacon Invoice FY 2018	422,684.00		
adj for check from Beacon	(41,770.00)		
less invoices for fire/police adm	(12,600.00)		
	<u>(3,332.35)</u>		
	364,981.65		

General Fund

1 010 01754 54452			1,436.02
1 010 09354 54452			<u>224,745.63</u>
Total W/C	61.97%		226,181.65

Water

1 015 W6554 54452			<u>131,800.00</u>
Total W/C	36.11%		131,800.00

Regional Wastewater

1 020 R6454 54452			<u>7,000.00</u>
Total W/C	1.92%		7,000.00

100.00%

Beacon -Worker's Compensation Insurance

Total Beacon Invoice FY 2017	480,712.00		
deposti credit	(7,573.64)		
	<u>473,138.36</u>		

General Fund

1 010 01754 54452			1,436.00
1 010 09354 54452			<u>332,902.36</u>
Total W/C	70.66%		334,338.36

Water

1 015 W6554 54452			<u>131,800.00</u>
Total W/C	27.86%		131,800.00

Regional Wastewater

1 020 R6454 54452			<u>7,000.00</u>
Total W/C	1.48%		7,000.00

100.00%

Beacon -Worker's Compensation Insurance

*missing one invoice in the amt of \$29,708.64. Will locate and send

Total Beacon Invoice FY 2016	308,577.00		
deposti credit	(3,992.26)		
	<u>304,584.74</u>		

General Fund

1 010 01754 54452			1,333.00
1 010 09354 54452			<u>164,451.74</u>
Total W/C	54.43%		165,784.74

Water

1 015 W6554 54452			<u>131,800.00</u>
Total W/C	43.27%		131,800.00

Regional Wastewater

1 020 R6454 54452			<u>7,000.00</u>
Total W/C	2.30%		7,000.00

100.00%

Beacon

Workers
Comp

Fy 18

BMIC Service Corporation

INVOICE

One Beacon Centre
Warwick, RI 02886-1378
Phone 401.825.2667 Fax 401.825.2659

Fy 18

INVOICE#: 7-1-17.1
DATE: APRIL 6, 2017

TO:
City of Woonsocket Police Department
Police Chief
C/O Christine Chamberland, Finance Director
P.O. Box B
Woonsocket, R.I. 02895

FOR:
TPA Services-Police

DESCRIPTION	AMOUNT
Annual Fee for the Third Party Administrator Agreement between the City of Woonsocket Police Department and BMIC SERVICE CORP. for the period 7/1/17 - 6/30/18	\$6,600.00
TOTAL	\$6,600.00

Please make check payable to **BMIC Service Corporation**.

Payment is due by 7/1/2017.

Payment Remittance Address:

Beacon Mutual Insurance Company
Attention: Finance Department
One Beacon Centre
Warwick, RI 02886

Thank you for your business!



BMIC Service Corporation

INVOICE

One Beacon Centre
Warwick, RI 02886-1378
Phone 401.825.2667 Fax 401.825.2659

INVOICE#: 7-1-17.1
DATE: APRIL 6, 2017

FY18

TO:
City of Woonsocket Fire Department
Fire Chief
C/O Christine Chamberland, Finance Director
P.O. Box B
Woonsocket, R.I. 02895

FOR:
TPA Services-Fire

DESCRIPTION	AMOUNT
Annual Fee for the Third Party Administrator Agreement between the City of Woonsocket Fire Department and BMIC SERVICE CORP. for the period 7/1/17 - 6/30/18	\$6,600.00
TOTAL	\$6,600.00

Please make check payable to **BMIC Service Corporation**.
Payment is due by 7/1/2017.

Payment Remittance Address:
Beacon Mutual Insurance Company
Attention: Finance Department
One Beacon Centre
Warwick, RI 02886

Thank you for your business!

Renewal Invoice



Agent:
 Keough Kirby Associates, a division of The Hill Group of New
 England LLC
 PO Box 1
 Woonsocket, RI 02895-0779
 401-769-8100

Invoice ID:
 224377
 Bill Date:
 06/20/2017
 Account Number:
 20474454
 Account Balance (Renewal Term):
 \$384,101.00
 Minimum Amount Due:
 \$32,002.55
 Payment Due Date:
 07/01/2017

Account Holder:
 City of Woonsocket
 Attn: Mark Ferguson
 169 Main Street
 Woonsocket, RI 02895-4330

Thank you for choosing The Beacon Mutual Insurance Company.

Policy Number	Policy Term	Trans. Date	Install. Due Date	Description of Transactions	Adjustments	Policy Balance	Minimum Due
0000017800	07/01/17 - 07/01/18	06/20/17	07/01/17	Renewal Deposit	\$32,002.55		
				Policy Term Total:	\$32,002.55		\$32,002.55
				Policy Balance:		\$32,002.55	

This Policy will not be renewed should there be any past due amount owed on any policies under your account. If there is an outstanding balance due on your account, the renewal payment remitted will be used to satisfy any outstanding balance.

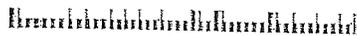
Payment Due Date: 07/01/2017 Account Balance: \$384,101.00 Minimum Due: \$32,002.55

Please detach here. Write account number on check - payable to The Beacon Mutual Insurance Company.

Please do not remit a reproduced copy of this invoice. Only the original invoice can be recognized by our lockbox.

Visit <https://beaconconnect.beaconmutual.com> to make this premium payment online directly from your checking account.

The Beacon Mutual Insurance Co.
 P.O. Box 416142
 Boston, MA 02241-6142



Invoice ID:
 224377
 Account Number:
 20474454
 Payment Due Date:
 07/01/2017
 Account Balance:
 \$384,101.00
 Minimum Amount Due:
 \$32,002.55

0020474454607011700320025570701170022437780000000000000000003

Policy Installment Information

Account Number	Line of Business	Installment Plan			
2047 154	Workers' Compensation	Twelve-Payment Plan			
Written Premium	Renewal Balance				
384,046.00	\$384,101.00				
FUTURE INSTALLMENTS - All installments due 15 days after bill date					
Install. Due Date	Amount	Install. Due Date	Amount	Install. Due Date	Amount
08/01/2017	\$32,007.55	01/01/2018	\$32,007.55	06/01/2018	\$32,022.95
09/01/2017	\$32,007.55	02/01/2018	\$32,007.55		
10/01/2017	\$32,007.55	03/01/2018	\$32,007.55		
11/01/2017	\$32,007.55	04/01/2018	\$32,007.55		
12/01/2017	\$32,007.55	05/01/2018	\$32,007.55		

SERVICE INFORMATION

For billing questions call: Keough Kirby Associates, a division of The Hillb Group of New England LLC 401-769-8100 or The Beacon Mutual Insurance Company at 401-825-2667.

For certificates of insurance, policy changes, or coverage questions call your agent: 401-769-8100
Report claims IMMEDIATELY to 1-888-886-4450.

Correspondence (Do not include payment):

The Beacon Mutual Insurance Company
One Beacon Centre
Warwick, RI 02886-1378

BILLING INFORMATION

Current Balance: Total amount due after applying all payments, credits, or additional charges received by our billing system since last billing.

Minimum Amount Due: The minimum amount that must be paid in order to continue policy coverage.

Installment Fee: A service fee of \$5.00 is assessed on each installment bill, except where prohibited by law.

Non-Sufficient Funds: A service fee of \$25.00 will be applied for all returned checks and ACH payments.

Late Fee: A service fee of \$15.00 will be applied for all payments not received by the due date.

HELP US TO SERVE YOU BETTER

Please remember to include the bottom portion of this statement with your payment. This will assist us in properly crediting your account.

Please allow at least five days before your due date for delivery of payment.

Additionally, please assist us by indicating your account number on your check payable to The Beacon Mutual Insurance Company, using the return envelope provided for your convenience.

Policy Number	Adjustments	Minimum Due
0000017800	\$32,002.55	\$32,002.55

Premium Notice



Agent:

Keough Kirby Associates, a division of The Hilb Group of New England
 LLC
 PO Box 1
 Woonsocket, RI 02895-0779
 401-769-8100

Account Holder:

City of Woonsocket
 Attn: Mark Ferguson
 169 Main Street
 Woonsocket, RI 02895-4330

Invoice ID: 1070399
 Bill Date: 09/18/2017
 Account Number: 20474454
 Account Balance (All Terms): \$288,083.35
 Minimum Amount Due: \$32,007.55
 Payment Due Date: 10/01/2017

Thank you for choosing The Beacon Mutual Insurance Company.

Policy Number	Policy Term	Trans. Date	Install. Due Date	Description of Transactions	Adjustments	Policy Balance	Minimum Due
0000017800	07/01/17 - 07/01/18	08/30/17		Previous Balance			\$32,007.55
		09/18/17	10/01/17	Cash Receipt	-\$32,007.55		-\$32,007.55
		09/18/17	10/01/17	Installment billed from schedule	\$32,002.55		\$32,002.55
				Installment Fee	\$5.00		\$5.00
				Policy Term Total:	\$0.00		
				Policy Balance:			\$32,007.55

Payment Due Date: 10/01/2017

Account Balance: \$288,083.35

Minimum Due: \$32,007.55

Please detach here. Write account number on check - payable to The Beacon Mutual Insurance Company.

Please do not remit a reproduced copy of this invoice. Only the original invoice can be recognized by our lockbox.

Visit <https://beaconnect.beaconmutual.com> to make this premium payment online directly from your checking account.

The Beacon Mutual Insurance Co.
 P.O. Box 416142
 Boston, MA 02241-6142



Invoice ID: 1070399
 Account Number: 20474454
 Payment Due Date: 10/01/2017
 Account Balance: \$288,083.35
 Minimum Amount Due: \$32,007.55

0020474454607011700320075520701170107039980000000000000000009

Premium Notice



Agent:
 Keough Kirby Associates, a division of The Hilb Group of New England
 LLC
 PO Box I
 Woonsocket, RI 02895-0779
 401-769-8100

Invoice ID: 1091410
 Bill Date: 01/17/2018
 Account Number: 20474454
 Account Balance (All Terms): \$181,205.81
 Minimum Amount Due: \$36,237.89
 Payment Due Date: 02/01/2018

Account Holder:
 City of Woonsocket
 Attn: Mark Ferguson
 169 Main Street
 Woonsocket, RI 02895-4330

Thank you for choosing The Beacon Mutual Insurance Company.

Policy Number	Policy Term	Trans. Date	Install. Due Date	Description of Transactions	Adjustments	Policy Balance	Minimum Due
0000017800	07/01/17 - 07/01/18	12/29/17 01/17/18 01/17/18	02/01/18 02/01/18	Previous Balance			\$36,237.89
				Cash Receipt		-\$36,237.89	-\$36,237.89
				Installment billed from schedule		\$36,232.89	\$36,232.89
				Installment Fee		\$5.00	\$5.00
				Policy Term Total:		\$0.00	
Policy Balance:			\$36,237.89				

Payment Due Date: 02/01/2018 Account Balance: \$181,205.81 Minimum Due: \$36,237.89

Please detach here. Write account number on check - payable to The Beacon Mutual Insurance Company.

Please do not remit a reproduced copy of this invoice. Only the original invoice can be recognized by our lockbox.

Visit <https://beaconnect.beaconmutual.com> to make this premium payment online directly from your checking account.

The Beacon Mutual Insurance Co.
 P.O. Box 416142
 Boston, MA 02241-6142



Invoice ID: 1091410
 Account Number: 20474454
 Payment Due Date: 02/01/2018
 Account Balance: \$181,205.81
 Minimum Amount Due: \$36,237.89

0020474454607011700362378920701170109141080000000000000000004

Policy Installment Information

Account Number 20474454	Line of Business Workers' Compensation	Installment Plan Twelve-Payment Plan
Total Written Premium \$409,429.00	Renewal Balance \$108,730.03	
FUTURE INSTALLMENTS - All installments due 15 days after bill date		
Install. Due Date	Amount	Install. Due Date
05/01/2018	\$36,237.89	
06/01/2018	\$36,254.25	

SERVICE INFORMATION

For billing questions call: Keough Kirby Associates, a division of The Hilb Group of New England LLC 401-769-8100 or The Beacon Mutual Insurance Company at 401-825-2667.

For certificates of insurance, policy changes, or coverage questions call your agent: 401-769-8100

Report claims IMMEDIATELY to 1-888-886-4450.

Correspondence (Do not include payment):

The Beacon Mutual Insurance Company
One Beacon Centre
Warwick, RI 02886-1378

BILLING INFORMATION

Current Balance: Total amount due after applying all payments, credits, or additional charges received by our billing system since last billing.

Minimum Amount Due: The minimum amount that must be paid in order to continue policy coverage.

Installment Fee: A service fee of \$5.00 is assessed on each installment bill, except where prohibited by law.

Non-Sufficient Funds: A service fee of \$25.00 will be applied for all returned checks and ACH payments.

Late Fee: A service fee of \$15.00 will be applied for all payments not received by the due date.

HELP US TO SERVE YOU BETTER

Please remember to include the bottom portion of this statement with your payment. This will assist us in properly crediting your account.

Please allow at least five days before your due date for delivery of payment.

Additionally, please assist us by indicating your account number on your check payable to The Beacon Mutual Insurance Company, using the return envelope provided for your convenience.

Policy Number	Adjustments	Minimum Due
0000017800	\$36,237.89	\$36,237.89

Beacon-Workers
Comp

Fy17

Renewal Reminder Invoice



Agent:
Keough Kirby Associates Inc
PO Box 1
Woonsocket, RI 02895-0779
401-769-8100

Invoice ID:
212959

Bill Date:
06/16/2016

Account Number:
20474454

Account Balance (Renewal Term):
\$386,016.00

Account Holder:
City of Woonsocket
Attn: Mark Ferguson
169 Main Street
Woonsocket, RI 02895-4330

Minimum Amount Due:
\$32,162.13

Payment Due Date:
07/01/2016

Thank you for choosing The Beacon Mutual Insurance Company.

Policy Number	Policy Term	Trans. Date	Install. Due Date	Description of Transactions	Adjustments	Policy Balance	Minimum Due
0000017800	07/01/16 - 07/01/17	06/13/16	07/01/16	Renewal Deposit	\$32,162.13		\$32,162.13
				Policy Term Total:	\$32,162.13		
				Policy Balance:		\$32,162.13	

This is a reminder. If you have not already paid the renewal premium for your Workers' Compensation Coverage, please be aware that payment is due by your policy renewal effective date in order to avoid non-renewal of your coverage. If there is an outstanding balance due on your account, the renewal payment remitted will be used to satisfy any outstanding balance.

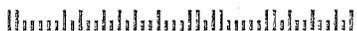
Payment Due Date: 07/01/2016 Account Balance: \$386,016.00 Minimum Due: \$32,162.13

Please detach here. Write account number on check - payable to The Beacon Mutual Insurance Company.

Please do not remit a reproduced copy of this invoice. Only the original invoice can be recognized by our lockbox.

Visit <https://beaconnect.beaconmutual.com> to make this premium payment online directly from your checking account.

The Beacon Mutual Insurance Co.
P.O. Box 416142
Boston, MA 02241-6142



Invoice ID:
212959

Account Number:
20474454

Payment Due Date:
07/01/2016

Account Balance:
\$386,016.00

Minimum Amount Due:
\$32,162.13

0020474454607011670321621360701160021295980000000000000000005

Premium Notice



Agent:
 Keough Kirby Associates Inc
 PO Box 1
 Woonsocket, RI 02895-0779
 401-769-8100

Invoice ID:
999046
 Bill Date:
07/18/2016
 Account Number:
20474454
 Account Balance (All Terms):
\$353,853.87
 Minimum Amount Due:
\$32,167.13
 Payment Due Date:
08/01/2016

Account Holder:
 City of Woonsocket
 Attn: Mark Ferguson
 169 Main Street
 Woonsocket, RI 02895-4330

Thank you for choosing The Beacon Mutual Insurance Company.

Policy Number	Policy Term	Trans. Date	Install. Due Date	Description of Transactions	Adjustments	Policy Balance	Minimum Due	
0000017800	07/01/16 - 07/01/17			Previous Balance			\$0.00	
		06/13/16	07/01/16	Renewal Deposit	\$32,162.13		\$32,162.13	
		06/27/16		Cash Receipt	-\$32,162.13		-\$32,162.13	
		07/18/16	08/01/16	Installment billed from schedule	\$32,162.13		\$32,162.13	
		07/18/16	08/01/16	Installment Fee	\$5.00		\$5.00	
				Policy Term Total:		\$32,167.13		
				Policy Balance:			\$32,167.13	

Payment Due Date: 08/01/2016 Account Balance: \$353,853.87 Minimum Due: \$32,167.13

Please detach here. Write account number on check - payable to The Beacon Mutual Insurance Company.

Please do not remit a reproduced copy of this invoice. Only the original invoice can be recognized by our lockbox.

Visit <https://beaconnect.beaconmutual.com> to make this premium payment online directly from your checking account.

The Beacon Mutual Insurance Co.
 P.O. Box 416142
 Boston, MA 02241-6142



Invoice ID:
999046
 Account Number:
20474454
 Payment Due Date:
08/01/2016
 Account Balance:
\$353,853.87
 Minimum Amount Due:
\$32,167.13

002047445460701167032167131070116009990468000000000000000000006

Premium Notice



Agent:
 Keough Kirby Associates Inc
 PO Box 1
 Woonsocket, RI 02895-0779
 401-769-8100

Account Holder:
 City of Woonsocket
 Attn: Mark Ferguson
 169 Main Street
 Woonsocket, RI 02895-4330

Invoice ID: 1018210
Bill Date: 11/16/2016
Account Number: 20474454
Account Balance (All Terms): \$259,976.35
Minimum Amount Due: \$37,137.07
Payment Due Date: 12/01/2016

Thank you for choosing The Beacon Mutual Insurance Company.

Policy Number	Policy Term	Trans. Date	Install. Due Date	Description of Transactions	Adjustments	Policy Balance	Minimum Due
0000017800	07/01/15 - 07/01/16	10/27/16		Previous Balance			\$62,506.13
				Cash Receipt	-\$62,506.13		-\$62,506.13
				Policy Term Total:	-\$62,506.13		
	07/01/16 - 07/01/17	11/16/16	12/01/16	Installment billed from schedule	\$37,132.07		\$37,132.07
		11/16/16	12/01/16	Installment Fee	\$5.00		\$5.00
				Policy Term Total:	\$37,137.07		
				Policy Balance:		\$37,137.07	

Payment Due Date: 12/01/2016 Account Balance: \$259,976.35 Minimum Due: \$37,137.07

Please detach here. Write account number on check - payable to The Beacon Mutual Insurance Company.

Please do not remit a reproduced copy of this invoice. Only the original invoice can be recognized by our lockbox.

Visit <https://beaconnect.beaconmutual.com> to make this premium payment online directly from your checking account.

The Beacon Mutual Insurance Co.
 P.O. Box 416142
 Boston, MA 02241-6142



Invoice ID: 1018210
Account Number: 20474454
Payment Due Date: 12/01/2016
Account Balance: \$259,976.35
Minimum Amount Due: \$37,137.07

00204744546070115403713707007011501018210800000000000000000005

Premium Notice



Agent:
 Keough Kirby Associates Inc
 PO Box 1
 Woonsocket, RI 02895-0779
 401-769-8100

Account Holder:
 City of Woonsocket
 Attn: Mark Ferguson
 169 Main Street
 Woonsocket, RI 02895-4330

Invoice ID:
 1023863
Bill Date:
 12/19/2016
Account Number:
 20474454
Account Balance (All Terms):
 \$222,839.28

Minimum Amount Due:
 \$37,137.07
Payment Due Date:
 01/01/2017

Thank you for choosing The Beacon Mutual Insurance Company.

Policy Number	Policy Term	Trans. Date	Install. Due Date	Description of Transactions	Adjustments	Policy Balance	Minimum Due
0000017800	07/01/16 - 07/01/17	11/30/16		Previous Balance			\$37,137.07
		12/19/16	01/01/17	Cash Receipt	-\$37,137.07		-\$37,137.07
		12/19/16	01/01/17	Installment billed from schedule	\$37,132.07		\$37,132.07
				Installment Fee	\$5.00		\$5.00
				Policy Term Total:	\$0.00		
				Policy Balance:		\$37,137.07	

Payment Due Date: 01/01/2017 Account Balance: \$222,839.28 Minimum Due: \$37,137.07

Please detach here. Write account number on check - payable to The Beacon Mutual Insurance Company.

Please do not remit a reproduced copy of this invoice. Only the original invoice can be recognized by our lockbox.

Visit <https://beaconnect.beaconmutual.com> to make this premium payment online directly from your checking account.

The Beacon Mutual Insurance Co.
 P.O. Box 416142
 Boston, MA 02241-6142



Invoice ID:
 1023863
Account Number:
 20474454
Payment Due Date:
 01/01/2017
Account Balance:
 \$222,839.28
Minimum Amount Due:
 \$37,137.07

00204744546070116703713707007011601023863800000000000000000006

Premium Notice



Agent:
 Keough Kirby Associates Inc
 PO Box 1
 Woonsocket, RI 02895-0779
 401-769-8100

Account Holder:
 City of Woonsocket
 Attn: Mark Ferguson
 169 Main Street
 Woonsocket, RI 02895-4330

Invoice ID:
1033900
 Bill Date:
02/14/2017
 Account Number:
20474454
 Account Balance (All Terms):
\$148,565.14
 Minimum Amount Due:
\$37,137.07
 Payment Due Date:
03/01/2017

Thank you for choosing The Beacon Mutual Insurance Company.

Policy Number	Policy Term	Trans. Date	Install. Due Date	Description of Transactions	Adjustments	Policy Balance	Minimum Due
0000017800	07/01/16 - 07/01/17	01/30/17		Previous Balance			\$37,137.07
		02/14/17	03/01/17	Cash Receipt	-\$37,137.07		-\$37,137.07
		02/14/17	03/01/17	Installment billed from schedule	\$37,132.07		\$37,132.07
				Installment Fee	\$5.00		\$5.00
				Policy Term Total:	\$0.00		
				Policy Balance:		\$37,137.07	

Payment Due Date: 03/01/2017 Account Balance: \$148,565.14 Minimum Due: \$37,137.07

Please detach here. Write account number on check - payable to The Beacon Mutual Insurance Company.

Please do not remit a reproduced copy of this invoice. Only the original invoice can be recognized by our lockbox.

Visit <https://beaconnect.beaconmutual.com> to make this premium payment online directly from your checking account.

The Beacon Mutual Insurance Co.
 P.O. Box 416142
 Boston, MA 02241-6142



Invoice ID:
1033900
 Account Number:
20474454
 Payment Due Date:
03/01/2017
 Account Balance:
\$148,565.14
 Minimum Amount Due:
\$37,137.07

00204744546070116703713707007011601033900800000000000000000009

Premium Notice



Agent:
 Keough Kirby Associates Inc
 PO Box 1
 Woonsocket, RI 02895-0779
 401-769-8100

Account Holder:
 City of Woonsocket
 Attn: Mark Ferguson
 169 Main Street
 Woonsocket, RI 02895-4330

Invoice ID: 1044134
 Bill Date: 04/17/2017
 Account Number: 20474454
 Account Balance (All Terms): \$74,291.00
 Minimum Amount Due: \$37,137.07
 Payment Due Date: 05/01/2017

Thank you for choosing The Beacon Mutual Insurance Company.

Policy Number	Policy Term	Trans. Date	Install. Due Date	Description of Transactions	Adjustments	Policy Balance	Minimum Due
0000017800	07/01/16 - 07/01/17	03/29/17		Previous Balance			\$37,137.07
		04/17/17	05/01/17	Cash Receipt	-\$37,137.07		-\$37,137.07
		04/17/17	05/01/17	Installment billed from schedule	\$37,132.07		\$37,132.07
				Installment Fee	\$5.00		\$5.00
				Policy Term Total:	\$0.00		
				Policy Balance:		\$37,137.07	

Payment Due Date: 05/01/2017 Account Balance: \$74,291.00 Minimum Due: \$37,137.07

Please detach here. Write account number on check - payable to The Beacon Mutual Insurance Company.

Please do not remit a reproduced copy of this invoice. Only the original invoice can be recognized by our lockbox.

Visit <https://beaconnect.beaconmutual.com> to make this premium payment online directly from your checking account.

The Beacon Mutual Insurance Co.
 P.O. Box 416142
 Boston, MA 02241-6142



Invoice ID: 1044134
 Account Number: 20474454
 Payment Due Date: 05/01/2017
 Account Balance: \$74,291.00
 Minimum Amount Due: \$37,137.07

002047445460701167037137070070116010441348000000000000000004

Beacon

Workers comp

Fy16

Premium Notice



Agent:
 Keough Kirby Associates Inc
 PO Box 1
 Woonsocket, RI 02895-0779
 401-769-8100

Account Holder:
 City of Woonsocket
 Attn: Mark Ferguson
 169 Main Street
 Woonsocket, RI 02895-4330

Invoice ID:
 938888

Bill Date:
 08/17/2015

Account Number:
 20474454

Account Balance (All Terms):
 \$297,150.72

Minimum Amount Due:
 \$29,713.64

Payment Due Date:
 09/01/2015

Thank you for choosing The Beacon Mutual Insurance Company.

Policy Number	Policy Term	Trans. Date	Install. Due Date	Description of Transactions	Adjustments	Policy Balance	Minimum Due	
0000017800	07/01/15 - 07/01/16			Previous Balance			\$29,713.64	
		07/31/15		Cash Receipt	-\$29,713.64		-\$29,713.64	
		08/17/15	09/01/15	Installment billed from schedule	\$29,708.64		\$29,708.64	
		08/17/15	09/01/15	Installment Fee	\$5.00		\$5.00	
				Policy Term Total:		\$0.00		
				Policy Balance:			\$29,713.64	

*MWB
 8/21/15
 cc
 812115*

Payment Due Date: 09/01/2015 Account Balance: \$297,150.72 Minimum Due: \$29,713.64

Please detach here. Write account number on check - payable to The Beacon Mutual Insurance Company.

Premium Notice



Agent:
 Keough Kirby Associates Inc
 PO Box 1
 Woonsocket, RI 02895-0779
 401-769-8100

Account Holder:
 City of Woonsocket
 Attn: Mark Ferguson
 169 Main Street
 Woonsocket, RI 02895-4330

Invoice ID:
 943714
 Bill Date:
 09/16/2015
 Account Number:
 20474454
 Account Balance (All Terms):
 \$267,437.08

Minimum Amount Due:
 \$29,713.64
 Payment Due Date:
 10/01/2015

Thank you for choosing The Beacon Mutual Insurance Company.

Policy Number	Policy Term	Trans. Date	Install. Due Date	Description of Transactions	Adjustments	Policy Balance	Minimum Due
0000017800	07/01/15 - 07/01/16	08/31/15		Previous Balance			\$29,713.64
		09/16/15	10/01/15	Cash Receipt	-\$29,713.64		-\$29,713.64
		09/16/15	10/01/15	Installment billed from schedule	\$29,708.64		\$29,708.64
				Installment Fee	\$5.00		\$5.00
				Policy Term Total:	\$0.00		
				Policy Balance:		\$29,713.64	

Payment Due Date: 10/01/2015 Account Balance: \$267,437.08 Minimum Due: \$29,713.64

Please detach here. Write account number on check - payable to The Beacon Mutual Insurance Company.

Please do not remit a reproduced copy of this invoice. Only the original invoice can be recognized by our lockbox.

Visit <https://beaconnect.beaconmutual.com> to make this premium payment online directly from your checking account.

Invoice ID:
 943714
 Account Number:
 20474454
 Payment Due Date:
 10/01/2015

The Beacon Mutual Insurance Co.
 P.O. Box 416142
 Boston, MA 02241-6142



Account Balance:
 \$267,437.08
 Minimum Amount Due:
 \$29,713.64

00204744546070115402971364607011500943714800000000000000000006

Premium Notice



Agent:
 Keough Kirby Associates Inc
 PO Box 1
 Woonsocket, RI 02895-0779
 401-769-8100

Account Holder:
 City of Woonsocket
 Attn: Mark Ferguson
 169 Main Street
 Woonsocket, RI 02895-4330

Invoice ID: 949287
 Bill Date: 10/19/2015
 Account Number: 20474454
 Account Balance (All Terms): \$229,548.44
 Minimum Amount Due: \$28,691.81
 Payment Due Date: 11/01/2015

Thank you for choosing The Beacon Mutual Insurance Company.

Policy Number	Policy Term	Trans. Date	Install. Due Date	Description of Transactions	Adjustments	Policy Balance	Minimum Due.
0000017800	07/01/15 - 07/01/16	09/28/15		Previous Balance			\$29,713.64
		10/19/15	11/01/15	Cash Receipt	-\$29,713.64		-\$29,713.64
		10/19/15	11/01/15	Installment billed from schedule	\$28,686.81		\$28,686.81
				Installment Fee	\$5.00		\$5.00
				Policy Term Total:	-\$1,021.83		
				Policy Balance:			\$28,691.81

Payment Due Date: 11/01/2015 Account Balance: \$229,548.44 Minimum Due: **\$28,691.81** *mm*

Please detach here. Write account number on check - payable to The Beacon Mutual insurance Company.

Please do not remit a reproduced copy of this invoice. Only the original invoice can be recognized by our lockbox.

Visit <https://beaconnect.beaconmutual.com> to make this premium payment online directly from your checking account.

The Beacon Mutual Insurance Co.
 P.O. Box 416142
 Boston, MA 02241-6142



Invoice ID: 949287
 Account Number: 20474454
 Payment Due Date: 11/01/2015
 Account Balance: \$229,548.44
 Minimum Amount Due: \$28,691.81

0020474454607011540286918170701150094928780000000000000000005

Premium Notice



Agent:
 Keough Kirby Associates Inc
 PO Box 1
 Woonsocket, RI 02895-0779
 401-769-8100

Account Holder:
 City of Woonsocket
 Attn: Mark Ferguson
 169 Main Street
 Woonsocket, RI 02895-4330

Invoice ID: 965386
 Bill Date: 01/18/2016
 Account Number: 20474454
 Account Balance (All Terms): \$143,473.01
 Minimum Amount Due: \$28,691.81
 Payment Due Date: 02/01/2016

Thank you for choosing The Beacon Mutual Insurance Company.

Policy Number	Policy Term	Trans. Date	Install. Due Date	Description of Transactions	Adjustments	Policy Balance	Minimum Due
0000017800	07/01/15 - 07/01/16	12/31/15		Previous Balance			\$17,562.62
		01/18/16	02/01/16	Cash Receipt	-\$17,562.62		-\$17,562.62
		01/18/16	02/01/16	Installment billed from schedule	\$28,686.81		\$28,686.81
				Installment Fee	\$5.00		\$5.00
				Policy Term Total:		\$11,129.19	
				Policy Balance:		\$28,691.81	

Payment Due Date: 02/01/2016 Account Balance: \$143,473.01 Minimum Due: \$28,691.81

Please detach here. Write account number on check - payable to The Beacon Mutual Insurance Company.

Please do not remit a reproduced copy of this invoice. Only the original invoice can be recognized by our lockbox.

Visit <https://beaconnect.beaconmutual.com> to make this premium payment online directly from your checking account.

The Beacon Mutual Insurance Co.
 P.O. Box 416142
 Boston, MA 02241-6142



Invoice ID: 965386
 Account Number: 20474454
 Payment Due Date: 02/01/2016
 Account Balance: \$143,473.01
 Minimum Amount Due: \$28,691.81

0020474454607011540286918170701150096538680000000000000000005

Premium Notice



Agent:
 Keough Kirby Associates Inc
 PO Box 1
 Woonsocket, RI 02895-0779
 401-769-8100

Account Holder:
 City of Woonsocket
 Attn: Mark Ferguson
 169 Main Street
 Woonsocket, RI 02895-4330

Invoice ID:
 987894
 Bill Date:
 05/17/2016
 Account Number:
 20474454
 Account Balance (All Terms):
 \$28,705.77
 Minimum Amount Due:
 \$28,705.77
 Payment Due Date:
 06/01/2016

Thank you for choosing The Beacon Mutual Insurance Company.

Policy Number	Policy Term	Trans. Date	Install. Due Date	Description of Transactions	Adjustments	Policy Balance	Minimum Due
0000017800	07/01/15 - 07/01/16			Previous Balance			\$28,691.81
		04/28/16		Cash Receipt	-\$28,691.81		-\$28,691.81
		05/17/16	06/01/16	Installment billed from schedule	\$28,700.77		\$28,700.77
		05/17/16	06/01/16	Installment Fee	\$5.00		\$5.00
				Policy Term Total:	\$13.96		
				Policy Balance:		\$28,705.77	

Payment Due Date: 06/01/2016 Account Balance: \$28,705.77 Minimum Due: \$28,705.77

Please detach here. Write account number on check - payable to The Beacon Mutual Insurance Company.

Please do not remit a reproduced copy of this invoice. Only the original invoice can be recognized by our lockbox.

Visit <https://beaconnect.beaconmutual.com> to make this premium payment online directly from your checking account.

The Beacon Mutual Insurance Co.
 P.O. Box 416142
 Boston, MA 02241-6142



Invoice ID:
 987894
 Account Number:
 20474454
 Payment Due Date:
 06/01/2016
 Account Balance:
 \$28,705.77
 Minimum Amount Due:
 \$28,705.77

0020474454607011540287057720701150098789480000000000000000009

Policy Installment Information

Account Number 20474454	Line of Business Workers' Compensation	Installment Plan Twelve-Payment Plan
Total Written Premium \$348,343.00	Renewal Balance \$28,705.77	
FUTURE INSTALLMENTS - All installments due 15 days after bill date		
Install. Due Date	Amount	Install. Due Date
Amount	Install. Due Date	Amount
Install. Due Date	Amount	Install. Due Date
Amount	Install. Due Date	Amount

SERVICE INFORMATION

For billing questions call: Keough Kirby Associates Inc 401-769-8100 or The Beacon Mutual Insurance Company at 401-825-2667.
 For certificates of insurance, policy changes, or coverage questions call your agent: 401-769-8100
 Report claims IMMEDIATELY to 1-888-886-4450.
 Correspondence (Do not include payment):

The Beacon Mutual Insurance Company
 One Beacon Centre
 Warwick, RI 02886-1378

BILLING INFORMATION

Current Balance: Total amount due after applying all payments, credits, or additional charges received by our billing system since last billing.
Minimum Amount Due: The minimum amount that must be paid in order to continue policy coverage.
Installment Fee: A service fee of \$5.00 is assessed on each installment bill, except where prohibited by law.
Non-Sufficient Funds: A service fee of \$25.00 will be applied for all returned checks and ACH payments.
Late Fee: A service fee of \$15.00 will be applied for all payments not received by the due date.

HELP US TO SERVE YOU BETTER

Please remember to include the bottom portion of this statement with your payment. This will assist us in properly crediting your account.

Please allow at least five days before your due date for delivery of payment.

Additionally, please assist us by indicating your account number on your check payable to The Beacon Mutual Insurance Company, using the return envelope provided for your convenience.

Policy Number	Adjustments	Minimum Due
0000017800	\$28,705.77	\$28,705.77

Standard-Life Insurance

Total Standard Insurance-FY 18
adj for retiree reimbursements

135,898.56
(33,960.21)

101,938.35

General Fund

1 010 01754 54456		5,565.00
1 010 09354 54456		80,348.35
Total Life Insurance	84.28%	85,913.35

Water

1 015 W6554 54456		13,787.00
Total Life Insurance	13.52%	13,787.00

Regional Wastewater

1 025 U6954 54456		63.00
1 020 R6454 54456		2,175.00
Total Life Insurance	2.20%	2,238.00

100.00% 101,938.35

Standard-Life Insurance

Total Standard Insurance-FY 17
adj for retiree reimbursements

140,575.01
(28,913.75)

111,661.26

General Fund

1 010 01754 54456		5,565.00
1 010 09354 54456		88,836.26
Total Life Insurance	84.54%	94,401.26

Water

1 015 W6554 54456		14,336.00
Total Life Insurance	12.84%	14,336.00

Regional Wastewater

1 025 U6954 54456		126.00
1 020 R6454 54456		2,796.00
Total Life Insurance	2.62%	2,922.00

100.00%

Standard-Life Insurance

Total Standard Insurance-FY 16
adj for retiree reimbursements

110,248.56
(1,703.28)

108,545.28

General Fund

1 010 01754 54456		4,104.00
1 010 09354 54456		92,701.32
Total Life Insurance	89.18%	96,805.32

Water

1 015 W6554 54456		9,330.00
Total Life Insurance	8.60%	9,330.00

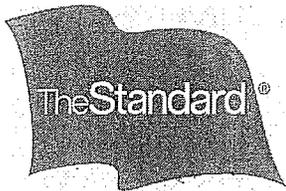
Regional Wastewater

1 025 U6954 54456		943.96
1 020 R6454 54456		1,466.00
Total Life Insurance	2.22%	2,409.96

100.00% 108,545.28

Fy 18

STANDARD Life Ins.



CITY OF WOONSOCKET
 ATTN MARK FERGUSON
 PO BOX B
 WOONSOCKET, RI 02895

Premium Statement

Policy Number 00 139203 0001

REMINDER -- Payment is due on July 01, 2018
 Contact: ebpremiums@standard.com / (800) 348-3226

Benefit Plan	Rate	Per				
BLIFE	\$.672	\$1,000				
Prior Figures :			<u>LIVES</u>	<u>INSURED AMOUNT</u>	<u>Bill Category</u>	
			407	16,660,000		
Actual Figures This Period :				+85,000. (dif)	⁰¹⁰⁰	
Totals and Adjustments :			<u>+ 1</u>	<u>16,745,000</u>		
			408			
			Amount Due	Back Charge	Back Credit	Total Amount Due

YOU ARE RESPONSIBLE FOR REPORTING BILLING ADJUSTMENTS SUCH AS EMPLOYEE ADDITIONS/TERMINATIONS AND SALARY/VOLUME INCREASES AND DECREASES. SEND THIS DOCUMENT WITH PAYMENT OR EMAIL IT TO PREMBACKUP@STANDARD.COM. FOR ONLINE SERVICES VISIT HTTP://WWW.STANDARD.COM/LOGIN.

Please fold and return all pages to The Standard in the window envelope provided.

Policy Number 00 139203 0001

PREMIUM DUE DATE July 01, 2018

Benefit Premium Totals :

Total Amount Due	\$ <u>11,252.64</u>
Total Billing Fees	\$
Amount to be Paid	= \$ <u>11,252.64</u>



STANDARD INSURANCE COMPANY
 PO BOX 3789
 PORTLAND, OR 97208-3789



CITY OF WOONSOCKET
 ATTN MARK FERGUSON
 PO BOX B
 WOONSOCKET, RI 02895

Premium Statement

Policy Number 00 139203 0001

REMINDER -- Payment is due on June 01, 2018
 Contact: ebpremiums@standard.com / (800) 348-3226

Benefit Plan	Rate	Per				
BLIFE	\$.672	\$1,000				
Prior Figures :			<u>LIVES</u>	<u>INSURED AMOUNT</u>	<u>Bill Category</u>	
			408	16,780,000	0100	
Actual Figures This Period :				<u>120,000 (dif)</u>		
Totals and Adjustments :			<u>+2</u> <u>407</u>	<u>- 3</u> <u>16,660,000</u>		
			Amount Due	Back Charge	Back Credit	Total Amount Due

YOU ARE RESPONSIBLE FOR VERIFYING, REPORTING, AND MAKING BILLING ADJUSTMENTS RELATED TO EMPLOYEE ADDITIONS AND TERMINATIONS, AS WELL AS SALARY/VOLUME INCREASES AND DECREASES. TO SIGN UP FOR E-SERVICES VISIT [HTTPS://LOGIN.STANDARD.COM](https://login.standard.com)

Please fold and return all pages to The Standard in the window envelope provided.

Policy Number 00 139203 0001

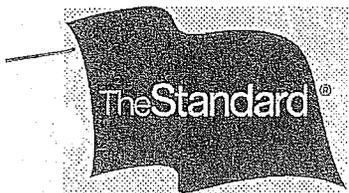
PREMIUM DUE DATE June 01, 2018

Benefit Premium Totals :

Total Amount Due	\$ <u>11,195.52</u>
Total Billing Fees	\$
Amount to be Paid	= \$ <u>11,195.52</u>



STANDARD INSURANCE COMPANY
 PO BOX 3789
 PORTLAND, OR 97208-3789



CITY OF WOONSOCKET
 ATTN MARK FERGUSON
 PO BOX B
 WOONSOCKET, RI 02895

Premium Statement
 Policy Number 00 139203 0001
REMINDER -- Payment is due on May 01, 2018
 Contact: ebpremiums@standard.com / (800) 348-3226

Benefit Plan	Rate	Per			
BLIFE	\$.672	\$1,000			
Prior Figures :			LIVES 410	INSURED AMOUNT 16,895,000	Bill Category 0100
Actual Figures This Period :			<u>408</u>	<u>16,780,000</u>	
Totals and Adjustments :			<u>\$11,276.16</u> Amount Due	<u>0</u> Back Charge	<u>0</u> Back Credit
					<u>\$11,276.16</u> Total Amount Due

DELETIONS: GEORGE DISSIS - TERM DATE
 PAOLA ECHEVERRY 3/29/2018
 3/12/2018

No ADDITIONS

YOU ARE RESPONSIBLE FOR VERIFYING, REPORTING, AND MAKING BILLING ADJUSTMENTS RELATED TO EMPLOYEE ADDITIONS AND TERMINATIONS, AS WELL AS SALARY/VOLUME INCREASES AND DECREASES. TO SIGN UP FOR E-SERVICES VISIT [HTTPS://LOGIN.STANDARD.COM](https://login.standard.com)

Please fold and return all pages to The Standard in the window envelope provided.

Policy Number 00 139203 0001

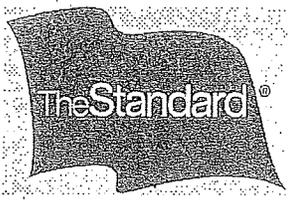
PREMIUM DUE DATE May 01, 2018

Benefit Premium Totals :

Total Amount Due \$ 11,276.16
 Total Billing Fees \$
 Amount to be Paid = \$ 11,276.16



STANDARD INSURANCE COMPANY
 PO BOX 3789
 PORTLAND, OR 97208-3789



3/21/18
mjl

CITY OF WOONSOCKET
ATTN MARK FERGUSON
PO BOX B
WOONSOCKET, RI 02895

Premium Statement
Policy Number 00 139203 0001
REMINDER - Payment is due on April 01, 2018
Contact: ebpremiums@standard.com / (800) 348-3226

Benefit Plan	Rate	Per				
BLIFE	\$.672	\$1,000				
Prior Figures :			<u>LIVES</u>	<u>INSURED AMOUNT</u>	<u>Bill Category</u>	
Actual Figures This Period :			409	16,820,000	0100	
Totals and Adjustments :			<u>+2 - 1</u>	<u>+ 75,070</u>	<u>+ 40,070 - 40,000 + 75,070</u>	
			<u>410</u>	<u>16,895,000</u>		
			Amount Due	Back Charge	Back Credit	Total Amount Due

YOU ARE RESPONSIBLE FOR VERIFYING, REPORTING, AND MAKING BILLING ADJUSTMENTS RELATED TO EMPLOYEE ADDITIONS AND TERMINATIONS, AS WELL AS SALARY/VOLUME INCREASES AND DECREASES. TO SIGN UP FOR E-SERVICES VISIT [HTTPS://LOGIN.STANDARD.COM](https://login.standard.com)

Please fold and return all pages to The Standard in the window envelope provided.

Policy Number 00 139203 0001

PREMIUM DUE DATE April 01, 2018

Benefit Premium Totals :

Total Amount Due \$ 11,353.44

Total Billing Fees \$

Amount to be Paid = \$ 11,353.44



STANDARD INSURANCE COMPANY
PO BOX 3789
PORTLAND, OR 97208-3789



CITY OF WOONSOCKET
ATTN MARK FERGUSON
PO BOX B
WOONSOCKET, RI 02895

Premium Statement

Policy Number 00 139203 0001

REMINDER - Payment is due on March 01, 2018
Contact: ebpremiums@standard.com / (800) 348-3226

Benefit Plan Rate Per
BLIFE \$.672 \$1,000

Prior Figures :

Actual Figures This Period :

Totals and Adjustments :

LIVES	INSURED AMOUNT	Bill Category
411	16,905,000	0100
+1 - 3	-85,000	(+40,000 - 125,000) dif \$85,000
<u>409</u>	<u>16,820,000</u>	
Amount Due	Back Charge	Back Credit
		Total Amount Due

YOU ARE RESPONSIBLE FOR VERIFYING, REPORTING, AND MAKING BILLING ADJUSTMENTS RELATED TO EMPLOYEE ADDITIONS AND TERMINATIONS, AS WELL AS SALARY/VOLUME INCREASES AND DECREASES. TO SIGN UP FOR E-SERVICES VISIT [HTTPS://LOGIN.STANDARD.COM](https://login.standard.com)

Please fold and return all pages to The Standard in the window envelope provided.

Policy Number 00 139203 0001

PREMIUM DUE DATE March 01, 2018

Benefit Premium Totals :

Total Amount Due	\$	<u>11,303.04</u>
Total Billing Fees	\$	
Amount to be Paid	= \$	<u>11,303.04</u>

STANDARD INSURANCE COMPANY
PO BOX 3789
PORTLAND, OR 97208-3789

February 12, 2018

Retain a completed copy for your records. No additional back up is needed.



CITY OF WOONSOCKET
ATTN MARK FERGUSON
PO BOX B
WOONSOCKET, RI 02895

Premium Statement

Policy Number 00 139203 0001

REMINDER -- Payment is due on February 01, 2018
Contact: ebpremiums@standard.com / (800) 348-3226

Benefit Plan	Rate	Per	<hr/>			
BLIFE	\$.672	\$1,000				
Prior Figures :			<u>LIVES</u>	<u>INSURED AMOUNT</u>	<u>Bill Category</u>	
			411	16,885,000	0100	
Actual Figures This Period :			<u>+1 - !</u>		(+\$40,000 - \$20,000 = dif. \$20,000)	
Totals and Adjustments :			<u>411</u>	<u>16,905,000.</u>		
			Amount Due	Back Charge	Back Credit	Total Amount Due

YOU ARE RESPONSIBLE FOR VERIFYING, REPORTING, AND MAKING BILLING ADJUSTMENTS RELATED TO EMPLOYEE ADDITIONS AND TERMINATIONS, AS WELL AS SALARY/VOLUME INCREASES AND DECREASES. TO SIGN UP FOR E-SERVICES VISIT [HTTPS://LOGIN.STANDARD.COM](https://login.standard.com)

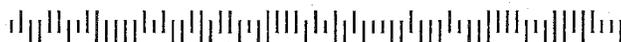
Please fold and return all pages to The Standard in the window envelope provided.

Policy Number 00 139203 0001

PREMIUM DUE DATE February 01, 2018

Benefit Premium Totals :

Total Amount Due	\$11,360.16
Total Billing Fees	\$
Amount to be Paid	= \$11,360.16



STANDARD INSURANCE COMPANY
PO BOX 3789
PORTLAND, OR 97208-3789

January 15, 2018

Retain a completed copy for your records. No additional back up is needed.



CITY OF WOONSOCKET
ATTN MARK FERGUSON
PO BOX B
WOONSOCKET, RI 02895

Premium Statement

Policy Number 00 139203 0001

REMINDER -- Payment is due on January 01, 2018
Contact: ebpremiums@standard.com / (800) 348-3226

Benefit Plan	Rate	Per				
BLIFE	\$.672	\$1,000				
Prior Figures :			<u>LIVES</u>	<u>INSURED AMOUNT</u>	<u>Bill Category</u>	
			411	16,885,000	0100	
Actual Figures This Period :				+ 1 - 1	(+\$40,000 - \$40,000 dif -0-)	
Totals and Adjustments :			<u>411</u>	<u>16,885,000</u>		
			Amount Due	Back Charge	Back Credit	Total Amount Due

ACCORDING TO THE TERMS OF YOUR CONTRACT, PLEASE CALCULATE PREMIUM INCREASES FOR MEMBERS WHO MOVED INTO THE NEXT HIGHER AGE BRACKET CHANGES TO YOUR PAYROLL DEDUCTIONS MAY BE REQUIRED.

Please fold and return all pages to The Standard in the window envelope provided.

Policy Number 00 139203 0001

PREMIUM DUE DATE January 01, 2018

Benefit Premium Totals :

Total Amount Due	\$	<u>11,346.72</u>
Total Billing Fees	\$	
Amount to be Paid	= \$	<u>11,346.72</u>

STANDARD INSURANCE COMPANY
 PO BOX 3789
 PORTLAND, OR 97208-3789



CITY OF WOONSOCKET
ATTN MARK FERGUSON
PO BOX B
WOONSOCKET, RI 02895

Premium Statement

Policy Number 00 139203 0001

REMINDER -- Payment is due on December 01, 2017
Contact: ebpremiums@standard.com / (800) 348-3226

Benefit Plan Rate Per
BLIFE \$.672 \$1,000

Prior Figures :

LIVES INSURED AMOUNT Bill Category
410 16,845,000 0100

Actual Figures This Period :

+1 (+40,000)

Totals and Adjustments :

411 16,885,000
Amount Due Back Charge Back Credit Total Amount Due

PLEASE NOTE, THERE HAS BEEN A CHANGE TO YOUR STATEMENT. WE LISTENED TO YOUR FEEDBACK AND HAVE REMOVED THE OUTSTANDING BALANCE FIELD FROM YOUR BILLING STATEMENT.

Please fold and return all pages to The Standard in the window envelope provided.

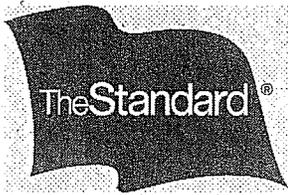
Policy Number 00 139203 0001

PREMIUM DUE DATE December 01, 2017

Benefit Premium Totals :

Total Amount Due \$ 11,346.72
Total Billing Fees \$
Amount to be Paid = \$ 11,346.72

STANDARD INSURANCE COMPANY
PO BOX 3789
PORTLAND, OR 97208-3789



CITY OF WOONSOCKET
ATTN MARK FERGUSON
PO BOX B
WOONSOCKET, RI 02895

Premium Statement

Policy Number 00 139203 0001

REMINDER -- Payment is due on November 01, 2017
Contact: ebpremiums@standard.com / (800) 348-3226

Benefit Plan Rate Per
BLIFE \$.672 \$1,000

	<u>LIVES</u>	<u>INSURED AMOUNT</u>	<u>Bill Category</u>
Prior Figures :	410	16,845,000	0100
Actual Figures This Period :			No Changes
Totals and Adjustments :	<u>410</u>	<u>16,845,000</u>	
	Amount Due	Back Charge	Back Credit Total Amount Due

PLEASE NOTE, THERE HAS BEEN A CHANGE TO YOUR STATEMENT. WE LISTENED TO YOUR FEEDBACK AND HAVE REMOVED THE OUTSTANDING BALANCE FIELD FROM YOUR BILLING STATEMENT.

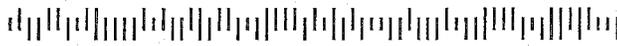
Please fold and return all pages to The Standard in the window envelope provided.

Policy Number 00 139203 0001

PREMIUM DUE DATE November 01, 2017

Benefit Premium Totals :

Total Amount Due	\$	<u>11,319.84</u>
Total Billing Fees	\$	
Amount to be Paid	= \$	<u>11,319.84</u>



STANDARD INSURANCE COMPANY
PO BOX 3789
PORTLAND, OR 97208-3789



CITY OF WOONSOCKET
ATTN MARK FERGUSON
PO BOX B
WOONSOCKET, RI 02895

Premium Statement

Policy Number 00 139203 0001

REMINDER -- Payment is due on October 01, 2017
Contact: ebpremiums@standard.com / (800) 348-3226

Benefit Plan	Rate	Per				
BLIFE	\$.672	\$1,000				
			<u>LIVES</u>	<u>INSURED AMOUNT</u>	<u>Bill Category</u>	
Prior Figures :			410	16,845,000	0100	
Actual Figures This Period :			+2 -2			(+\$80,000 - \$80,000 = dif -0-)
Totals and Adjustments :			<u>410</u>	<u>16,845,000</u>		
			Amount Due	Back Charge	Back Credit	Total Amount Due

PLEASE NOTE, THERE HAS BEEN A CHANGE TO YOUR STATEMENT. WE LISTENED TO YOUR FEEDBACK AND HAVE REMOVED THE OUTSTANDING BALANCE FIELD FROM YOUR BILLING STATEMENT.

Please fold and return all pages to The Standard in the window envelope provided.

Policy Number 00 139203 0001

PREMIUM DUE DATE October 01, 2017

Benefit Premium Totals :

Total Amount Due	\$	<u>11,319.84</u>
Total Billing Fees	\$	
Amount to be Paid	= \$	<u>11,319.84</u>

STANDARD INSURANCE COMPANY
PO BOX 3789
PORTLAND, OR 97208-3789

September 14, 2017

Retain a completed copy for your records. No additional back up is needed.



CITY OF WOONSOCKET
ATTN MARK FERGUSON
PO BOX B
WOONSOCKET, RI 02895

Premium Statement

Policy Number 00 139203 0001

REMINDER -- Payment is due on September 01, 2017
Contact: ebpremiums@standard.com / (800) 348-3226

Benefit Plan Rate Per
BLIFE \$.672 \$1,000

	<u>LIVES</u>	<u>INSURED AMOUNT</u>	<u>Bill Category</u>	
Prior Figures :	416	17,120,000	0100	
Actual Figures This Period :	-6			(-275,000 dif.)
Totals and Adjustments :	<u>410</u>	<u>16,845,000</u>		
	Amount Due	Back Charge	Back Credit	Total Amount Due

PLEASE NOTE, THERE HAS BEEN A CHANGE TO YOUR STATEMENT. WE LISTENED TO YOUR FEEDBACK AND HAVE REMOVED THE OUTSTANDING BALANCE FIELD FROM YOUR BILLING STATEMENT.

Please fold and return all pages to The Standard in the window envelope provided.

Policy Number 00 139203 0001

PREMIUM DUE DATE September 01, 2017

Benefit Premium Totals :

Total Amount Due	\$	<u>11,319.84</u>
Total Billing Fees	\$	
Amount to be Paid	= \$	<u>11,319.84</u>



STANDARD INSURANCE COMPANY
PO BOX 3789
PORTLAND, OR 97208-3789

August 15, 2017

Retain a completed copy for your records. No additional back up is needed.



CITY OF WOONSOCKET
ATTN MARK FERGUSON
PO BOX B
WOONSOCKET, RI 02895

Premium Statement

Policy Number 00 139203 0001

REMINDER -- Payment is due on August 01, 2017
Contact: ebpremiums@standard.com / (800) 348-3226

Benefit Plan Rate Per
BLIFE \$.672 \$1,000

	<u>LIVES</u>	<u>INSURED AMOUNT</u>	<u>Bill Category</u>
Prior Figures :	413	17,040,000	0100
Actual Figures This Period :	+ 7 -4	(+\$340,000 - \$260,000 = +\$80,000 dif.)	
Totals and Adjustments :	<u>416</u>	<u>17,120,000</u>	
	Amount Due	Back Charge	Back Credit Total Amount Due

PLEASE NOTE, THERE HAS BEEN A CHANGE TO YOUR STATEMENT. WE LISTENED TO YOUR FEEDBACK AND HAVE REMOVED THE OUTSTANDING BALANCE FIELD FROM YOUR BILLING STATEMENT.

Please fold and return all pages to The Standard in the window envelope provided.

Policy Number 00 139203 0001

PREMIUM DUE DATE August 01, 2017

Benefit Premium Totals :

Total Amount Due	\$	<u>11,504.64</u>
Total Billing Fees	\$	
Amount to be Paid	= \$	<u>11,504.64</u>

STANDARD INSURANCE COMPANY
 PO BOX 3789
 PORTLAND, OR 97208-3789

Fy 17

Standard Life
Insurance

CITY OF WOONSOCKET PAYMENT VOUCHER

DATE SUBMITTED: June 19, 2017
VENDOR #: 015161
PAYEE: STANDARD INSURANCE CO.
P.O. Box 3789
Portland, Oregon 97228-5980
FISCAL YEAR: 2017
INVOICE #: 06192017
INVOICE Date: 06-19-2017
PO #: n/a

APPROPRIATION CHARGED 1-010-09354-54456

DESCRIPTION: Life Insurance Bill
Policy No. 139203-0001 – Due 07-01-2017

AMOUNT APPROVED FOR PAYMENT: \$11,417.28

The amount indicated is hereby approved and certified for payment to the above named payee as being lawfully due the same from the City of Woonsocket for the items shown on the attached invoices or vouchers.


FINANCE DIRECTOR

Date Paid 6-22-17 Check Number 132211

No worksheet
Attached



CITY OF WOONSOCKET
ATTN MARK FERGUSON
PO BOX B
WOONSOCKET, RI 02895

Premium Statement

Policy Number 00 139203 0001

REMINDER -- Payment is due on June 01, 2017
Contact: ebpremiums@standard.com / (800) 348-3226

Benefit Plan Rate Per
BLIFE \$.672 \$1,000

	<u>LIVES</u>	<u>INSURED AMOUNT</u>	<u>Bill Category</u>
Prior Figures :	414	17,075,000	0100
Actual Figures This Period :	+ 4 -2		(+\$230,000 - \$180,000 = dif. \$+\$50,000)
Totals and Adjustments :	<u>416</u>	<u>17,125,000</u>	
	Amount Due	Back Charge	Back Credit Total Amount Due

PLEASE NOTE, THERE HAS BEEN A CHANGE TO YOUR STATEMENT. WE LISTENED TO YOUR FEEDBACK AND HAVE REMOVED THE OUTSTANDING BALANCE FIELD FROM YOUR BILLING STATEMENT.

Please fold and return all pages to The Standard in the window envelope provided.

Policy Number 00 139203 0001

PREMIUM DUE DATE June 01, 2017

Benefit Premium Totals :

Total Amount Due	\$	<u>11,508.00</u>
Total Billing Fees	\$	
Amount to be Paid	= \$	<u>11,508.00</u>

STANDARD INSURANCE COMPANY
PO BOX 3789
PORTLAND, OR 97208-3789

May 15, 2017

Retain a completed copy for your records. No additional back up is needed.



CITY OF WOONSOCKET
ATTN MARK FERGUSON
PO BOX B
WOONSOCKET, RI 02895

Premium Statement

Policy Number 00 139203 0001

REMINDER -- Payment is due on May 01, 2017
Contact: ebpremiums@standard.com / (800) 348-3226

Benefit Plan Rate Per
BLIFE \$.672 \$1,000

	<u>LIVES</u>	<u>INSURED AMOUNT</u>	<u>Bill Category</u>	
Prior Figures :	416	17,757,500	0100	
Actual Figures This Period :	+4 - 6			(+\$160,000. - \$842,500. = \$682,500
Totals and Adjustments :	<u>414</u>	<u>17,075,000.</u>		
	Amount Due	Back Charge	Back Credit	Total Amount Due

PLEASE NOTE, THERE HAS BEEN A CHANGE TO YOUR STATEMENT. WE LISTENED TO YOUR FEEDBACK AND HAVE REMOVED THE OUTSTANDING BALANCE FIELD FROM YOUR BILLING STATEMENT.

Please fold and return all pages to The Standard in the window envelope provided.

Policy Number 00 139203 0001

PREMIUM DUE DATE May 01, 2017

Benefit Premium Totals :

Total Amount Due	\$ <u>1,474.40</u>
Total Billing Fees	\$
Amount Paid	= \$ <u>1,474.40</u>

STANDARD INSURANCE COMPANY
PO BOX 3789
PORTLAND, OR 97208-3789

April 15, 2017

Retain a completed copy for your records. No additional back up is needed.



March, 2017

CITY OF WOONSOCKET
ATTN MARK FERGUSON
PO BOX B
WOONSOCKET, RI 02895

Premium Statement

Policy Number 00 139203 0001

REMINDER - Payment is due on April 01, 2017
Contact: ebpremiums@standard.com / (800) 348-3226

Benefit Plan	Rate	Per
BLIFE	\$.672	\$1,000

	<u>LIVES</u>	<u>INSURED AMOUNT</u>	<u>Bill Category</u>
Prior Figures :	416	17,777,500	0100
Actual Figures This Period :	+ 3 - #	-20,000	(+120,000. - \$140,000 = -\$20,000 dif
Totals and Adjustments :	<u>Amount Due</u>	<u>Back Charge</u>	<u>Back Credit</u> <u>Total Amount Due</u>
		17,757.500	

PLEASE NOTE, THERE HAS BEEN A CHANGE TO YOUR STATEMENT. WE LISTENED TO YOUR FEEDBACK AND HAVE REMOVED THE OUTSTANDING BALANCE FIELD FROM YOUR BILLING STATEMENT.

Please fold and return all pages to The Standard in the window envelope provided.

Policy Number 00 139203 0001

PREMIUM DUE DATE April 01, 2017

Benefit Premium Totals :

Total Amount Due	\$	<u>11,933.04</u>
Total Billing Fees	\$	
Amount Paid	= \$	<u>11,933.04</u>

STANDARD INSURANCE COMPANY
PO BOX 3789
PORTLAND, OR 97208-3789

04 13/17
3-23-17

March 15, 2017

Retain a completed copy for your records. No additional back up is needed.



CITY OF WOONSOCKET
ATTN MARK FERGUSON
PO BOX B
WOONSOCKET, RI 02895

Premium Statement

Policy Number 00 139203 0001

REMINDER -- Payment is due on March 01, 2017
Contact: ebpremiums@standard.com / (800) 348-3226

Benefit Plan	Rate	Per				
BLIFE	\$.672	\$1,000				
Prior Figures :			<u>LIVES</u>	<u>INSURED AMOUNT</u>	<u>Bill Category</u>	
			416	17,777,500	0100	
Actual Figures This Period :			+ 1 -1			(+\$40,000 - \$40,0000 = dif. 0)
Totals and Adjustments :			<u>416</u>	<u>17,777,500</u>		
			Amount Due	Back Charge	Back Credit	Total Amount Due

YOU ARE RESPONSIBLE FOR VERIFYING, REPORTING, AND MAKING BILLING ADJUSTMENTS RELATED TO EMPLOYEE ADDITIONS AND TERMINATIONS, AS WELL AS SALARY/VOLUME INCREASES AND DECREASES. TO SIGN UP FOR E-SERVICES VISIT WWW.STANDARD.COM/LOGIN

Please fold and return all pages to The Standard in the window envelope provided.

Policy Number 00 139203 0001

PREMIUM DUE DATE March 01, 2017

Benefit Premium Totals :

Total Amount Due	\$	<u>11,946.48</u>
Outstanding Balance	\$	+0.00
Total Billing Fees	\$	
Amount Paid	= \$	<u>11,946.48</u>

STANDARD INSURANCE COMPANY
 PO BOX 3789
 PORTLAND, OR 97208-3789



CITY OF WOONSOCKET
ATTN MARK FERGUSON
PO BOX B
WOONSOCKET, RI 02895

Premium Statement

Policy Number 00 139203 0001

REMINDER -- Payment is due on February 01, 2017
Contact: ebpremiums@standard.com / (800) 348-3226

Benefit Plan Rate Per
BLIFE \$.672 \$1,000

	<u>LIVES</u>	<u>INSURED AMOUNT</u>	<u>Bill Category</u>
Prior Figures :	414	17,757,500	0100
Actual Figures This Period :	+8 - 6		(+330,000 - \$310,000 = dif + \$20,000)
Totals and Adjustments :	<u>416</u>	<u>17,777,500</u>	
	Amount Due	Back Charge	Back Credit Total Amount Due

YOU ARE RESPONSIBLE FOR VERIFYING, REPORTING, AND MAKING BILLING ADJUSTMENTS RELATED TO EMPLOYEE ADDITIONS AND TERMINATIONS, AS WELL AS SALARY/VOLUME INCREASES AND DECREASES. TO SIGN UP FOR E-SERVICES VISIT WWW.STANDARD.COM/LOGIN

Please fold and return all pages to The Standard in the window envelope provided.

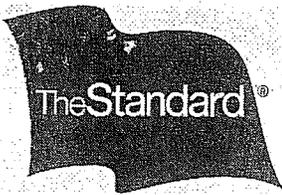
Policy Number 00 139203 0001

PREMIUM DUE DATE February 01, 2017

Benefit Premium Totals :

Total Amount Due	\$	<u>11,946.48</u>
Outstanding Balance	\$	+0.00
Total Billing Fees	\$	
Amount Paid	= \$	<u>11,946.48</u>

STANDARD INSURANCE COMPANY
 PO BOX 3789
 PORTLAND, OR 97208-3789



CITY OF WOONSOCKET
ATTN MARK FERGUSON
PO BOX B
WOONSOCKET, RI 02895

Premium Statement

Policy Number 00 139203 0001

REMINDER -- Payment is due on January 01, 2017
Contact: ebpremiums@standard.com / (800) 348-3226

Benefit Plan Rate Per
BLIFE \$.672 \$1,000

Prior Figures :

LIVES INSURED AMOUNT Bill Category
413 17,655,000 0100

Actual Figures This Period :

+3 - 0 (+155,000 - 52,500 = dif +102,500

Totals and Adjustments :

414 17,757,500 _____
Amount Due Back Charge Back Credit Total Amount Due

ACCORDING TO THE TERMS OF YOUR CONTRACT, PLEASE CALCULATE PREMIUM INCREASES FOR MEMBERS WHO MOVED INTO THE NEXT HIGHER AGE BRACKET DURING 2016 ON YOUR 2017 PREMIUM STATEMENTS. CHANGES TO YOUR PAYROLL DEDUCTIONS MAY BE REQUIRED.

Please fold and return all pages to The Standard in the window envelope provided.

Policy Number 00 139203 0001

PREMIUM DUE DATE January 01, 2017

Benefit Premium Totals :

Total Amount Due \$ 11,933.04
Outstanding Balance \$ +0.00
Total Billing Fees \$
Amount Paid = \$ 11,933.04

STANDARD INSURANCE COMPANY
PO BOX 3789
PORTLAND, OR 97208-3789



CITY OF WOONSOCKET
ATTN MARK FERGUSON
PO BOX B
WOONSOCKET, RI 02895

Premium Statement

Policy Number 00 139203 0001

REMINDER -- Payment is due on December 01, 2016
Contact: ebpremiums@standard.com / (800) 348-3226

Benefit Plan	Rate	Per				
BLIFE	\$.672	\$1,000				
Prior Figures :			<u>LIVES</u>	<u>INSURED AMOUNT</u>	<u>Bill Category</u>	
			415	17,645,000	0100	
Actual Figures This Period :			+2 -4			(\$80,000 - \$70,000 =+\$10,000 dif.)
Totals and Adjustments :			<u>413</u>	<u>17,655,000</u>		
			Amount Due	Back Charge	Back Credit	Total Amount Due

ACCORDING TO THE TERMS OF YOUR CONTRACT, PLEASE CALCULATE PREMIUM INCREASES FOR MEMBERS WHO MOVED INTO THE NEXT HIGHER AGE BRACKET DURING 2016 ON YOUR 2017 PREMIUM STATEMENTS. CHANGES TO YOUR PAYROLL DEDUCTIONS MAY BE REQUIRED.

Please fold and return all pages to The Standard in the window envelope provided.

Policy Number 00 139203 0001

PREMIUM DUE DATE December 01, 2016

Benefit Premium Totals :

Total Amount Due	\$	<u>11,864.16</u>
Outstanding Balance	\$	+0.00
Total Billing Fees	\$	
Amount Paid	= \$	<u>11,864.16</u>

STANDARD INSURANCE COMPANY
 PO BOX 3789
 PORTLAND, OR 97208-3789



CITY OF WOONSOCKET
ATTN MARK FERGUSON
PO BOX B
WOONSOCKET, RI 02895

Premium Statement

Policy Number 00 139203 0001

REMINDER -- Payment is due on November 01, 2016
Contact: ebpremiums@standard.com / (800) 348-3226

Benefit Plan	Rate	Per
BLIFE	\$.672	\$1,000

	<u>LIVES</u>	<u>INSURED AMOUNT</u>	<u>Bill Category</u>
Prior Figures :	412	17,380,000	0100
Actual Figures This Period :	+5 - 2		(+\$365,000 - \$100,0000 = +\$265,000 dif.)
Totals and Adjustments :	<u>415</u>	<u>17,645,000</u>	
	Amount Due	Back Charge	Back Credit
			Total Amount Due

YOU ARE RESPONSIBLE FOR VERIFYING, REPORTING, AND MAKING BILLING ADJUSTMENTS RELATED TO EMPLOYEE ADDITIONS AND TERMINATIONS, AS WELL AS SALARY/VOLUME INCREASES AND DECREASES. TO SIGN UP FOR E-BUSINESS SERVICES VISIT [HTTP://WWW.STANDARD.COM/LOGIN](http://www.standard.com/login)

Please fold and return all pages to The Standard in the window envelope provided.

Policy Number 00 139203 0001

PREMIUM DUE DATE November 01, 2016

Benefit Premium Totals :

Total Amount Due	\$	<u>11,857.44</u>
Outstanding Balance	\$	+0.00
Total Billing Fees	\$	
Amount Paid	= \$	<u>11,857.44</u>

STANDARD INSURANCE COMPANY
 PO BOX 3789
 PORTLAND, OR 97208-3789



CITY OF WOONSOCKET
ATTN MARK FERGUSON
PO BOX B
WOONSOCKET, RI 02895

Premium Statement

Policy Number 00 139203 0001

REMINDER -- Payment is due on September 01, 2016
Contact: ebpremiums@standard.com / (800) 348-3226

Benefit Plan	Rate	Per
BLIFE	\$.672	\$1,000

	<u>LIVES</u>	<u>INSURED AMOUNT</u>	<u>Bill Category</u>	
Prior Figures :	410	17,100,000	0100	
Actual Figures This Period :	<u>+3 - 1</u>			(+215,000 - 40,000 = dif. +175,000)
Totals and Adjustments :	<u>412</u>	<u>17,275,000</u>		
	Amount Due	Back Charge	Back Credit	Total Amount Due

STARTING IN AUGUST, THE SELF-ADMIN BILLING TEMPLATE WILL HAVE A SIMPLER FORMAT AND BE EASIER TO ACCESS VIA ADMIN EASE. FOR QUESTIONS, CONTACT YOUR LOCAL SERVICE REPRESENTATIVE.

Please fold and return all pages to The Standard in the window envelope provided.

Policy Number 00 139203 0001

PREMIUM DUE DATE September 01, 2016

Benefit Premium Totals :

Total Amount Due	\$	<u>11,608.80</u>
Outstanding Balance	\$	+0.00
Total Billing Fees	\$	
Amount Paid	= \$	<u>11,608.80</u>

STANDARD INSURANCE COMPANY
 PO BOX 3789
 PORTLAND, OR 97208-3789



CITY OF WOONSOCKET
 ATTN MARK FERGUSON
 PO BOX B
 WOONSOCKET, RI 02895

Premium Statement

Policy Number 00 139203 0001

REMINDER -- Payment is due on August 01, 2016
 Contact: ebpremiums@standard.com / (800) 348-3226

Benefit Plan	Rate	Per
BLIFE	\$.672	\$1,000

	<u>LIVES</u>	<u>INSURED AMOUNT</u>	<u>Bill Category</u>
Prior Figures :	414	17,125,000	0100
Actual Figures This Period :	+3 -7		(+1.65,000 - 190,000 = dif. -\$25,000
Totals and Adjustments :	<u>410</u>	<u>17,100,000</u>	
	Amount Due	Back Charge	Back Credit
			Total Amount Due

STARTING IN AUGUST, THE SELF-ADMIN BILLING TEMPLATE WILL HAVE A SIMPLER FORMAT AND BE EASIER TO ACCESS VIA ADMINEASE. FOR QUESTIONS, CONTACT YOUR LOCAL SERVICE REPRESENTATIVE.

Please fold and return all pages to The Standard in the window envelope provided.

Policy Number 00 139203 0001

PREMIUM DUE DATE August 01, 2016

Benefit Premium Totals :

Total Amount Due	\$	<u>11,491.20</u>
Outstanding Balance	\$	85.67-
Total Billing Fees	\$	
Amount Paid	= \$	<u>11,405.53</u>

STANDARD INSURANCE COMPANY
 PO BOX 3789
 PORTLAND, OR 97208-3789

Fy 16

Standard Life
Insurance.

CITY OF WOONSOCKET PAYMENT VOUCHER

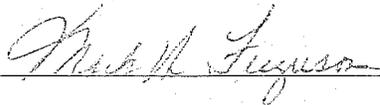
DATE SUBMITTED: June 20, 2016
VENDOR #: 015161
PAYEE: STANDARD INSURANCE CO.
P.O. Box 3789
Portland, Oregon 97228-5980
FISCAL YEAR: 2017
INVOICE #: 06142016
INVOICE Date: 06-14-2016
PO #:

APPROPRIATION CHARGED 1-010-09354-54456

DESCRIPTION: Life Insurance Bill
Policy No. 139203-0001 – Due 07-01-2016

AMOUNT APPROVED FOR PAYMENT: \$11,508.00

The amount indicated is hereby approved and certified for payment to the above named payee as being lawfully due the same from the City of Woonsocket for the items shown on the attached invoices or vouchers.



FINANCE DIRECTOR

Date Paid

6-24-16

Check Number

127391

[Faint handwritten notes and stamps at the bottom right of the page]



CITY OF WOONSOCKET
ATTN MARK FERGUSON
PO BOX B
WOONSOCKET, RI 02895

Premium Statement

Policy Number 00 139203 0001

REMINDER -- Payment is due on June 01, 2016
Contact: ebpremiums@standard.com / (800) 348-3226

Benefit Plan	Rate	Per
BLIFE	\$.525	\$1,000

	<u>LIVES</u>	<u>INSURED AMOUNT</u>	<u>Bill Category</u>	
Prior Figures :	411	17,015,000	0100	
Actual Figures This Period :	+ 3		(+120,000 dif.)	
Totals and Adjustments :	<u>414</u>	<u>17,135,000</u>		
	Amount Due	Back Charge	Back Credit	Total Amount Due

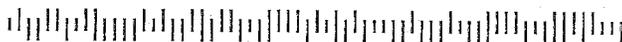
Please fold and return all pages to The Standard in the window envelope provided.

Policy Number 00 139203 0001

PREMIUM DUE DATE June 01, 2016

Benefit Premium Totals :

Total Amount Due	\$ <u>9,081.55</u>
Outstanding Balance	\$ 85.07-
Total Billing Fees	\$
Amount Paid	= \$ <u>8,996.48</u>



STANDARD INSURANCE COMPANY
PO BOX 3789
PORTLAND, OR 97208-3789

May 17, 2016

Retain a completed copy for your records. No additional back up is needed.



CITY OF WOONSOCKET
ATTN MARK FERGUSON
PO BOX B
WOONSOCKET, RI 02895

Premium Statement

Policy Number 00 139203 0001

REMINDER – Payment is due on May 01, 2016
Contact: ebpremiums@standard.com / (800) 348-3226

Benefit Plan Rate Per
BLIFE \$.525 \$1,000

Prior Figures :	<u>LIVES</u> 412	<u>INSURED AMOUNT</u> 17,045,000	<u>Bill Category</u> 0100
Actual Figures This Period :	+2 -3 <u>411</u>	<u>17,015,000.</u>	(+\$90,000 - \$120,000 = Dif. -\$30,000.)
Totals and Adjustments :	Amount Due	Back Charge	Back Credit Total Amount Due

Please fold and return all pages to The Standard in the window envelope provided.

Policy Number 00 139203 0001

PREMIUM DUE DATE May 01, 2016

Benefit Premium Totals :

Total Amount Due	\$	<u>9,017.95</u>
Outstanding Balance	\$	85.22-
Total Billing Fees	\$	
Amount Paid	= \$	<u>8,932.73</u>

STANDARD INSURANCE COMPANY
PO BOX 3789
PORTLAND, OR 97208-3789



CITY OF WOONSOCKET
 ATTN MARK FERGUSON
 PO BOX B
 WOONSOCKET, RI 02895

Premium Statement

Policy Number 00 139203 0001

REMINDER -- Payment is due on April 01, 2016
 Contact: ebpremiums@standard.com / (800) 348-3226

Benefit Plan	Rate	Per
BLIFE	\$.525	\$1,000

Prior Figures :

Actual Figures This Period :

Totals and Adjustments :

<u>LIVES</u>	<u>INSURED AMOUNT</u>	<u>Bill Category</u>
415	17,130,000	0100
+1 -4		(+40,000. - \$125,000. - Dif =
<u>41.2</u>	<u>17,045,000</u>	<u>-\$85,000.</u>
Amount Due	Back Charge	Back Credit
		<u>Total Amount Due</u>

Please fold and return all pages to The Standard in the window envelope provided.

Policy Number 00 139203 0001

PREMIUM DUE DATE April 01, 2016

Benefit Premium Totals :

Total Amount Due	\$	<u>9,033.85</u>
Outstanding Balance	\$	85.65-
Total Billing Fees	\$	
Amount Paid	= \$	<u>8,948.20</u>

STANDARD INSURANCE COMPANY
 PO BOX 3789
 PORTLAND, OR 97208-3789

March 15, 2016

Retain a completed copy for your records. No additional back up is needed.



CITY OF WOONSOCKET
ATTN MARK FERGUSON
PO BOX B
WOONSOCKET, RI 02895

Premium Statement

Policy Number 00 139203 0001

REMINDER -- Payment is due on March 01, 2016
Contact: ebpremiums@standard.com / (800) 348-3226

Benefit Plan	Rate	Per				
BLIFE	\$.525	\$1,000				
			<u>LIVES</u>	<u>INSURED AMOUNT</u>	<u>Bill Category</u>	
Prior Figures :			411	17,005,000	0100	
Actual Figures This Period :			+ 7 -3			
Totals and Adjustments :			<u>415</u>	<u>17,130,000</u>		
			Amount Due	Back Charge	Back Credit	Total Amount Due
						(+315,000 - \$190,000 = dif +\$125,000.)

Please fold and return all pages to The Standard in the window envelope provided.

Policy Number 00 139203 0001

PREMIUM DUE DATE March 01, 2016

Benefit Premium Totals :

Total Amount Due	\$	<u>9,078.90</u>
Outstanding Balance	\$	85.02-
Total Billing Fees	\$	
Amount Paid	= \$	<u>8,993.88</u>

STANDARD INSURANCE COMPANY
 PO BOX 3789
 PORTLAND, OR 97208-3789

February 17, 2016

Retain a completed copy for your records. No additional back up is needed.



CITY OF WOONSOCKET
 ATTN MARK FERGUSON
 PO BOX B
 WOONSOCKET, RI 02895

Premium Statement

Policy Number 00 139203 0001

REMINDER -- Payment is due on February 01, 2016
 Contact: ebpremiums@standard.com / (800) 348-3226

Benefit Plan	Rate	Per
BLIFE	\$.525	\$1,000

	<u>LIVES</u>	<u>INSURED AMOUNT</u>	<u>Bill Category</u>	
Prior Figures :	415	17,235,000	0100	
Actual Figures This Period :	+1 -5			(+\$50,000 - \$280,000= dif.
Totals and Adjustments :	<u>411</u>	<u>17,005,000.</u>		<u>-\$230,000.</u>
	Amount Due	Back Charge	Back Credit	Total Amount Due

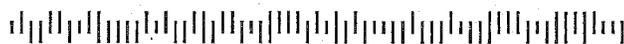
Please fold and return all pages to The Standard in the window envelope provided.

Policy Number 00 139203 0001

PREMIUM DUE DATE February 01, 2016

Benefit Premium Totals :

Total Amount Due	\$	<u>9,012.65</u>
Outstanding Balance	\$	86.17-
Total Billing Fees	\$	
Amount Paid	= \$	<u>8,926.48</u>



STANDARD INSURANCE COMPANY
 PO BOX 3789
 PORTLAND, OR 97208-3789

January 15, 2016

Retain a completed copy for your records. No additional back up is needed.



CITY OF WOONSOCKET
ATTN MARK FERGUSON
PO BOX B
WOONSOCKET, RI 02895

Premium Statement

Policy Number 00 139203 0001

REMINDER -- Payment is due on January 01, 2016
Contact: ebpremiums@standard.com / (800) 348-3226

Benefit Plan	Rate	Per
BLIFE	\$.525	\$1,000

	<u>LIVES</u>	<u>INSURED AMOUNT</u>	<u>Bill Category</u>
Prior Figures :	406	16,760,000	0100
Actual Figures This Period :	<u>9</u>	<u>17,235,000</u>	(Diff. =+\$475,000)
Totals and Adjustments :	<u>415</u>		
	Amount Due	Back Charge	Back Credit
			Total Amount Due

Please fold and return all pages to The Standard in the window envelope provided.

Policy Number 00 139203 0001

PREMIUM DUE DATE January 01, 2016

Benefit Premium Totals :

Total Amount Due	\$	<u>9,134.55</u>
Outstanding Balance	\$	60.18-
Total Billing Fees	\$	
Amount Paid	= \$	<u>9,074.37</u>

STANDARD INSURANCE COMPANY
 PO BOX 3789
 PORTLAND, OR 97208-3789

December 16, 2015

Retain a completed copy for your records. No additional back up is needed.



CITY OF WOONSOCKET
ATTN MARK FERGUSON
PO BOX B
WOONSOCKET, RI 02895

Premium Statement

Policy Number 00 139203 0001

REMINDER -- Payment is due on November 01, 2015
Contact: ebpremiums@standard.com / (800) 348-3226

Benefit Plan	Rate	Per				
BLIFE	\$.525	\$1,000				
Prior Figures :			<u>LIVES</u> 406	<u>INSURED AMOUNT</u> 16,705,000	<u>Bill Category</u> 0100	
Actual Figures This Period :			<u>+3 - 3</u>	<u>16,740,000</u>	(\$120,000 -\$130,000 = -\$10,000 dif)	
Totals and Adjustments :			<u>406</u> Amount Due	<u>Back Charge</u>	<u>Back Credit</u>	<u>Total Amount Due</u>

Please fold and return all pages to The Standard in the window envelope provided.

Policy Number 00 139203 0001

PREMIUM DUE DATE November 01, 2015

Benefit Premium Totals :

Total Amount Due	\$	<u>8,872.20</u>
Outstanding Balance	\$	107.37-
Total Billing Fees	\$	
Amount Paid	= \$	<u>8,764.83</u>

STANDARD INSURANCE COMPANY
 PO BOX 3789
 PORTLAND, OR 97208-3789



CITY OF WOONSOCKET
ATTN MARK FERGUSON
PO BOX B
WOONSOCKET, RI 02895

Premium Statement

Policy Number 00 139203 0001

REMINDER -- Payment is due on October 01, 2015
Contact: ebpremiums@standard.com / (800) 348-3226

Benefit Plan Rate Per
BLIFE \$.525 \$1,000

Prior Figures :

LIVES INSURED AMOUNT Bill Category
406 16,705,000 0100

Actual Figures This Period :

+6 -6 16,750,000 (+\$275,000. - \$230,000 = \$45,000 dif)

Totals and Adjustments :

Amount Due Back Charge Back Credit Total Amount Due

Please fold and return all pages to The Standard in the window envelope provided.

Policy Number 00 139203 0001

PREMIUM DUE DATE October 01, 2015

Benefit Premium Totals :

Total Amount Due \$ 8,877.50
Outstanding Balance \$ 83.52-
Total Billing Fees \$
Amount Paid = \$ 8,793.98



STANDARD INSURANCE COMPANY
PO BOX 3789
PORTLAND, OR 97208-3789

September 14, 2015

Retain a completed copy for your records. No additional back up is needed.



CITY OF WOONSOCKET
ATTN MARK FERGUSON
PO BOX B
WOONSOCKET, RI 02895

Premium Statement

Policy Number 00 139203 0001

REMINDER -- Payment is due on September 01, 2015
Contact: ebpremiums@standard.com / (800) 348-3226

Benefit Plan Rate Per
BLIFE \$.525 \$1,000

	<u>LIVES</u>	<u>INSURED AMOUNT</u>	<u>Bill Category</u>
Prior Figures :	406	16,705,000	0100
Actual Figures This Period :	+ 2 -@		(+\$80,000 - \$80,000 = Dif.=0)
Totals and Adjustments :	<u>406</u>	<u>16,705,000</u>	
	Amount Due	Back Charge	Back Credit Total Amount Due

Please fold and return all pages to The Standard in the window envelope provided.

Policy Number 00 139203 0001

PREMIUM DUE DATE September 01, 2015

Benefit Premium Totals :

Total Amount Due	\$	<u>8,853.65</u>
Outstanding Balance	\$	+0.00
Total Billing Fees	\$	
Amount Paid	= \$	<u>8,853.65</u>



STANDARD INSURANCE COMPANY
PO BOX 3789
PORTLAND, OR 97208-3789

August 18, 2015

Retain a completed copy for your records. No additional back up is needed.



CITY OF WOONSOCKET
ATTN MARK FERGUSON
PO BOX B
WOONSOCKET, RI 02895

Premium Statement

Policy Number 00 139203 0001

REMINDER - Payment is due on August 01, 2015
Contact: ebpremiums@standard.com / (800) 348-3226

Benefit Plan Rate Per
BLIFE \$.525 \$1,000

	<u>LIVES</u>	<u>INSURED AMOUNT</u>	<u>Bill Category</u>
Prior Figures :	406	16,635,000	0100
Actual Figures This Period :	+3 - 3	16,695,000	(\$140,000 - \$130,000 = Dif. \$10,000)
Totals and Adjustments :	<u>406</u>	<u>16,705,000</u>	
	Amount Due	Back Charge	Back Credit Total Amount Due

Please fold and return all pages to The Standard in the window envelope provided.

Policy Number 00 139203 0001

PREMIUM DUE DATE August 01, 2015

Benefit Premium Totals :

Total Amount Due	\$ 8,770.13
Outstanding Balance	\$ +886.73*
Total Billing Fees	\$
Amount Paid	= \$ 9,656.86

STANDARD INSURANCE COMPANY
PO BOX 3789
PORTLAND, OR 97208-3789

*Represents rate increase
for month of July

July 16, 2015

Retain a completed copy for your records. No additional back up is needed.

Trust Invoices (54451 and 54453)

Total Trust Invoice FY 2018 887,663.00
 *both liability and vehicle/equipment

General Fund			
Insurance Liablilty	1 010 09354 54453		
Insurance Vehicles and Equip	1 010 09354 54451		
	Total Trust Invoice	71%	626,843.00

Water			
Insurance Liablilty	1 015 W6554 54453		
Insurance Vehicles and Equip	1 015 W6554 54451		
	Total Trust invoice	22%	197,820.00

Regional Wastewater			
Insurance Liablilty	1 20 R6454 54453		
Insurance Vehicles and Equip	1 020 R645454451		
	Total	7%	63,000.00

Total Trust Invoice FY 2017 880,956.00
 *both liability and vehicle/equipment

General Fund			
Insurance Liablilty	1 010 09354 54453		
Insurance Vehicles and Equip	1 010 09354 54451		
		70%	620,136.00

Water			
Insurance Liablilty	1 015 W6554 54453		
Insurance Vehicles and Equip	1 015 W6554 54451		
		22%	197,820.00

Regional Wastewater			
Insurance Liablilty	1 20 R6454 54453		
Insurance Vehicles and Equip	1 020 R645454451		
		7%	63,000.00

100% 880,956.00

Total Trust Invoice FY 2016 877,167.00
 *both liability and vehicle/equipment

General Fund			
Insurance Liablilty	1 010 09354 54453		
Insurance Vehicles and Equip	1 010 09354 54451		

Water			
Insurance Liablilty	1 015 W6554 54453		
Insurance Vehicles and Equip	1 015 W6554 54451		
		70%	616,347.00

Regional Wastewater			
Insurance Liablilty	1 20 R6454 54453		
Insurance Vehicles and Equip	1 020 R645454451		
		23%	197,820.00
		7%	63,000.00

100% 877,167.00



RISK MANAGEMENT TRUST

501 WAMPANOAG TRAIL, SUITE 301, EAST PROVIDENCE, RI 02915
 PHONE: (401) 438-6511 FAX: (401) 438-6990

All Inquiries: accountsreceivable@ritrust.com

Bill To:

Finance Director
 City of Woonsocket
 Woonsocket City Hall 1st Fl.
 169 Main Street
 Woonsocket RI 02895

7418

INVOICE

Invoice	PANDC001442
Date	6/21/2017
Page	1

**50% due in 30 days,
 remaining due by due date**
8/20

Purchase Order No.	Customer ID	Payment Terms	Due Date	Late Fees Assess As Of
	WOONCITP	Net 60 W15	8/20/2017	9/4/2017
Quantity	Item Number	Description	Unit Price	Ext. Price
1.0	P/L-2018	Property & Liability Coverage PY 2017-2018	\$867,747.00	\$867,747.00
1.0	EXCESS-2018	Excess Liability Coverage PY 2017-2018	\$90,103.00	\$90,103.00
1.0	SPECIAL-2018	Special Exclusion Endorsement PY 2017-2018	\$22,904.00	\$22,904.00
		<i>980,754</i>		
		<i>less (99376)</i>		
		<i>(93091)</i>		
		<i>credit memo</i>		
		<i>887,663</i>		

PROPERTY & LIABILITY PREMIUM FY 2017-2018

Subtotal	\$980,754.00
Misc	\$0.00
Total	\$980,754.00

Late payment interest accrues on outstanding balances at a rate of 12% per annum, commencing on first day late fees assess.



RISK MANAGEMENT TRUST

501 WAMPANOAG TRAIL, SUITE 301, EAST PROVIDENCE, RI 02915
 PHONE: (401) 438-6511 FAX: (401) 438-6990

All Inquiries: accountsreceivable@ritrust.com

Bill To:

Finance Director
 City of Woonsocket
 Woonsocket City Hall 1st Fl.
 169 Main Street
 Woonsocket RI 02895

Fy18

CREDIT MEMO

Credit Memo	CMPANDC00000107
Date	7/26/2017
Page	1

Purchase Order No.		Customer ID		
		WOONCITP		
Quantity	Item Number	Description	Unit Price	Ext. Price
1	P/L-2018	Property & Liability Coverage PY 2017-2018	(\$93,091.00)	(\$93,091.00)
1	SPECIAL-2018	Special Exclusion Endorsement PY 2017-2018	(\$6,285.00)	(\$6,285.00)

Sign here and fax to 401-438-6990
 to receive a refund of this credit

X Mark V. Ferguson

PROPERTY & LIABILITY PREMIUM FY 2017-2018

Subtotal	(\$99,376.00)
Misc	\$0.00
Total	(\$99,376.00)



RISK MANAGEMENT TRUST

501 WAMPANOAG TRAIL, SUITE 301, EAST PROVIDENCE, RI 02915
 PHONE: (401) 438-6511 FAX: (401) 438-6990

All Inquiries: accountsreceivable@ritrust.com

Bill To:

Finance Director
 City of Woonsocket
 Woonsocket City Hall 1st Fl.
 169 Main Street
 Woonsocket RI 02895

INVOICE

Invoice	PANDC001243
Date	6/15/2016
Page	1

**50% due in 30 days,
 remaining due by due date**

F417

Purchase Order No.	Customer ID	Payment Terms	Due Date	Late Fees Assess As Of
	WOONCITP	Net 60 W15	8/14/2016	8/29/2016
Quantity	Item Number	Description	Unit Price	Ext. Price
1.0	P/L-2017	Property & Liability Coverage PY 2016-2017	\$792,400.00	\$792,400.00
1.0	EXCESS-2017	Excess Liability Coverage PY 2016-2017	\$88,336.00	\$88,336.00
1.0	SPECIAL-2017	Special Exclusion Endorsement PY 2016-2017	\$220.00	\$220.00

PROPERTY & LIABILITY PREMIUM FY 2016-2017

Subtotal	\$880,956.00
Misc	\$0.00
Total	\$880,956.00

Late payment interest accrues on outstanding balances at a rate of 12% per annum, commencing on first day late fees assess.



501 WAMPANOAG TRAIL, SUITE 301, EAST PROVIDENCE, RI 02915
 PHONE: (401) 438-6511 FAX: (401) 438-6990

Fy16

INVOICE

Invoice	PANDC000977
Date	6/19/2015
Page	1

All Inquiries: accountsreceivable@ritrust.com

Bill To:

Finance Director
 City of Woonsocket
 Woonsocket City Hall 1st Fl.
 169 Main Street
 Woonsocket RI 02895

**50% due in 30 days,
 remaining due by due date**

Sept 2, 2015

Purchase Order No.	Customer ID	Payment Terms	Due Date	Late Fees Assess As Of
	WOONCITP	Net 60 W15	8/18/2015	9/2/2015
Quantity	Item Number	Description	Unit Price	Ext. Price
1.0	P/L-2016	Property & Liability Coverage PY 2015-2016	\$800,404.00	\$800,404.00
1.0	EXCESS-2016	Excess Liability Coverage PY 2015-2016	\$76,763.00	\$76,763.00

*my
8-20-15*

PROPERTY & LIABILITY PREMIUM FY 2015-2016

Subtotal	\$877,167.00
Misc	\$0.00
Total	\$877,167.00

Late payment interest accrues on outstanding balances at a rate of 12% per annum, commencing on first day late fees assess.

EXHIBIT 1-7

STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES

IN RE: AAD No. 06-007/WRA

No. RIA-382

CONSENT AGREEMENT

This Consent Agreement is entered into by and between the Department of Environmental Management ("DEM") and The City of Woonsocket (the "Respondent"), which is responsible for the operation of the Woonsocket Drinking Water Treatment Plant (the "Plant"), located at 1500 Manville Road in Woonsocket, Rhode Island. This Agreement is entered into in accordance with Chapters 46-12 and 42-17.1 of the Rhode Island General Laws ("RIGL").

The DEM issued a final permit to the Respondent for the Plant on September 13, 2006 (the "Permit"). By a letter dated October 10, 2006, the Respondent requested an administrative hearing and moved to stay certain conditions of the Permit.

In lieu of convening an Administrative Hearing regarding the disputed permit conditions and in order to effect a resolution of all disputed issues in this matter between DEM and the Respondent, the parties agree as follows:

1. The Respondent is subject to the provisions of Chapter 46-12 of the RIGL for purposes of this Agreement.
2. DEM has jurisdiction over the subject matter of this Agreement and has personal jurisdiction over the Respondent for purposes of this Agreement.
3. The provisions of this Agreement shall apply to and be binding upon the Respondent, its agents, servants, employees, successors and assigns, and all persons, firms and corporations acting under, through and for it.
4. The compliance with the terms of this Agreement does not relieve the Respondent from compliance with any other applicable laws or regulations administered by DEM or any other governmental entity. This Agreement shall not operate to shield the Respondent from liability arising from future activities, as of the date of execution of this Agreement.
5. Upon the determination by the Director of the DEM that there is an immediate threat to the public health or the environment, or upon the discovery of new information, the DEM reserves the right to order additional remedial action or other enforcement measures as provided by law or regulations.
6. The Director of the DEM may, for good cause shown, defer any of the compliance dates prescribed herein. In the event that the Respondent believes that good cause exists for extending any such dates, the



Respondent may submit a written request to DEM for an extension at least seven (7) days prior to such deadline, together with a complete statement of the reasons why the Respondent believes that such an extension is justified. Approval of the extension request shall not be unreasonably withheld. If DEM denies the Respondent's extension request, that decision may be appealed to Superior Court in accordance with RIGL 42-35-1 et seq. The Agreement may be amended by mutual agreement of the parties in writing.

7. In the event that the Respondent fails to comply with any of the schedules in paragraph 10 and 11 of this Agreement it shall pay a stipulated penalty of one thousand dollars ~~(\$1,000) a day for each and every day~~ it remains in violation of the schedule. The payment of a stipulated penalty in accordance with this paragraph shall not preclude DEM from seeking any other appropriate remedy.
8. In the event the Respondent fails to comply with any of the interim limits of paragraph 10 and 11 of this Agreement it may be subject to an administrative penalty as determined by the DEM in accordance with the Rules and Regulations for Assessment of Administrative Penalties. The payment of an administrative penalty in accordance with this paragraph shall not preclude DEM from seeking any other appropriate remedy.
9. This Agreement shall have the full force and effect of a final administrative adjudication, shall be deemed a final administrative decision under the Administrative Procedures Act (RIGL Chapter 42-34) and shall be fully enforceable in the Superior Court of the State of Rhode Island.
10. The Respondent shall attain compliance with the final effluent limits for pH applicable to outfalls 001A, 002A, and 003A in accordance with the following schedule:
 - (a) Within three (3) months of the date of execution of this Agreement the Respondent shall submit final design plans to DEM for the upgrade to the pH adjustment system. The final design plans for the pH adjustment system are subject to DEM review, modification, and approval.
 - (b) Within eight (8) months of DEM approval of the pH adjustment system design plans, the Respondent shall upgrade the existing pH adjustment system to allow for the adjustment of the pH of the filter backwash discharges from outfalls 001A, 002A, and 003A.
 - (c) Within one (1) month of the approved deadline for completion of pH system upgrades, the Respondent shall meet the final limits for pH as specified in Part I.A.1, I.A.2 and I.A.3 of the Permit.

- (d) - From the date of execution of this Agreement until the completion of Part 10(c) above, the Respondent shall meet the interim limits for pH as found in Attachment 1, which is attached hereto and incorporated herein.
11. The Respondent shall attain compliance with the final effluent limits for Total Suspended Solids and the mandatory filter backwash treatment requirements applicable to outfalls 001A, 002A, and 003A in accordance with the following schedule:
- (a) By March 1, 2013 the Respondent agrees to build a water treatment facility that will comply with the final permit limitations for Total Suspended Solids and the mandatory filter backwash treatment requirements applicable to outfalls 001A, 002A, and 003A by eliminating the surface water discharges from the existing water treatment plant located at 1500 Manville Hill Road, Woonsocket, RI.
- (b) The Respondent agrees to build a water treatment facility that will eliminate the surface water discharges from the existing water treatment plant located at 1500 Manville Hill Road, Woonsocket, RI in accordance with the following schedule:
- a. Submit a final description of the selected alternative including a new plant site selection and plan for procurement of design services by January 1, 2009.
- b. Complete Final Design by January 1, 2010.
- c. Complete Start-up and Initiation of Operations of New Water Treatment Plant and eliminate all discharges by March 1, 2013.
- (c) From the date of execution of this Agreement until the completion of Part 11(b), the Respondent is required to submit semi-annual project status reports to the DEM. The semi-annual project status reports are due on January 15th and July 15th of each year. The status reports will serve to communicate with the DEM the progress that is being made to comply with the project schedule .
- (d) From the date of execution of this Agreement until March 1, 2013, the Respondent shall meet the interim limits for Total Suspended Solids, as found in Attachment 1, which is attached hereto and incorporated herein.
12. No later than fourteen (14) calendar days following a date identified in any schedule of compliance, the Respondent shall submit either a report of progress or, in the case of specific actions being required by identified dates, a written notice of compliance or noncompliance. In the latter case, the notice shall include the cause of noncompliance, any remedial actions taken, and the probability of meeting the next scheduled requirements.

13. All-reports and other documentation that the Respondent is required to submit to the DEM by the terms of this Agreement shall be sent to the Office of Water Resources, RIPDES Program, 235 Promenade Street, Providence, RI 02908-5767. Each document shall be subject to DEM review and approval. Upon DEM review of the document, DEM shall provide written notification to the Respondent, either granting approval or stating the deficiencies revealed therein. Within fourteen (14) days (unless a longer time is specified) of receiving a notification of deficiencies, the Respondent shall submit to DEM a revised document consistent with the DEM comments.
14. This Agreement shall be deemed entered as of the date of execution by the parties.

THE CITY OF WOONSOCKET, RHODE ISLAND

Susan D. Menard

SUSAN D. MENARD

Name

MAYOR

Title

The individual signing on behalf of the City of Woonsocket, Rhode Island represents that he/she has the actual authority to enter into this Agreement, and the authority to bind the City of Woonsocket Rhode Island to the requirements contained within.

In WOONSOCKET, on the 14th day of May

MS

2008, before me personally appeared MAYOR SUSAN D. MENARD (signing party's name), to me known and known by me to be the party executing the foregoing Consent Agreement on behalf of the City of Woonsocket Rhode Island and the acknowledged said instrument executed by him/her to be his/her free act and deed.

MS 42842

Notary Public

My Commission expires:

03-13-10

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
FOR THE DIRECTOR

Angelo S. Liberti

Angelo S. Liberti, P.E.
Chief of Surface Water Protection

June 27, 2008
Date

ATTACHMENT 1

Permit No. RI0001627

PART I

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

- During the period beginning on the effective date of Consent Agreement RIA-382 and lasting until the completion of Paragraph 10(d) and/or Paragraph 11(c), the permittee is authorized to discharge from outfall serial numbers 001A, 002A, and 003A. The discharge from each outfall shall be limited and monitored by the permittee as specified below:

<u>Effluent Characteristic</u>	<u>Discharge Limitations</u>		<u>Concentration - specify units</u>		<u>Monitoring Requirement</u>	
	<u>Average Monthly</u>	<u>Quantity - lbs./day</u> <u>Maximum Daily</u>	<u>Average Monthly</u> <u>*(Minimum)</u>	<u>Maximum Daily</u> <u>*(Maximum)</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>
Total Suspended Solids	210 lb/day	307 lb/day	— mg/l	— mg/l	2/Month	Composite ¹
pH			(5.0 S.U.)	(9.0 S.U.)	2/Month	4 Grabs ²

¹ All composite sampling must consist of a minimum of four (4) grabs spaced equally apart during a typical filter backwash discharge.

² Compliance with these limitations shall be determined by taking a minimum of four (4) grab samples equally spaced over a typical filter backwash discharge. The grab samples must be analyzed for pH immediately (<15 minutes after sample collection). The maximum value to be reported is the highest individual measurement obtained during the monitoring period. The minimum value to be reported is the lowest individual measurement obtained during the monitoring period.

— signifies a parameter which must be monitored and data must be reported; final limits are not in effect at this time

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following locations: Outfall 001A, 002A, and 003A (Filter Backwash from Treatment Unit #1, #2, and #3 respectively).

STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES

IN RE: AAD No. 06-007/WRA

No. RIA-382

MODIFIED CONSENT AGREEMENT

This Consent Agreement is entered into by and between the Department of Environmental Management ("DEM") and The City of Woonsocket (the "Respondent"), which is responsible for the operation of the Woonsocket Drinking Water Treatment Plant (the "Plant"), located at 1500 Manville Road in Woonsocket, Rhode Island. This Agreement is entered into in accordance with Chapters 46-12 and 42-17.1 of the Rhode Island General Laws ("RIGL").

The DEM issued a final permit to the Respondent for the Plant on September 13, 2006 (the "Permit"). By a letter dated October 10, 2006, the Respondent requested an administrative hearing and moved to stay certain conditions of the Permit. On June 27, 2008 the DEM and the Respondent entered into Consent Agreement RIA-382. By letter dated December 30, 2009, DEM alleged that the Respondent failed to meet the deadlines required in paragraphs 10(b), 10(c), and 11(b) of the consent agreement and the consent agreement's interim pH limits for outfalls 001, 002, and 003 for the months from June 2008 through September 2009. In a letter dated May 26, 2010 the Respondent requested modifications to the Consent Agreement. In order to effect a resolution of all violations alleged in the DEM's December 30, 2009 letter relating to RIPDES permit No. RI0001627, the parties agree as follows:

1. The Respondent is subject to the provisions of Chapter 46-12 of the RIGL for purposes of this Agreement.
2. DEM has jurisdiction over the subject matter of this Agreement and has personal jurisdiction over the Respondent for purposes of this Agreement.
3. The provisions of this Agreement shall apply to and be binding upon the Respondent, its agents, servants, employees, successors and assigns, and all persons, firms and corporations acting under, through and for it.
4. The compliance with the terms of this Agreement does not relieve the Respondent from compliance with any other applicable laws or regulations administered by DEM or any other governmental entity. This Agreement shall not operate to shield the Respondent from liability arising from future activities, as of the date of execution of this Agreement.
5. Upon the determination by the Director of the DEM that there is an immediate threat to the public health or the environment, or upon the discovery of new information, the DEM reserves the right to order additional remedial action or other enforcement measures as provided by law or regulations.

6. The Director of the DEM may, for good cause shown, defer any of the compliance dates prescribed herein. In the event that the Respondent believes that good cause exists for extending any such dates, the Respondent may submit a written request to DEM for an extension at least seven (7) days prior to such deadline, together with a complete statement of the reasons why the Respondent believes that such an extension is justified. Approval of the extension request shall not be unreasonably withheld. If DEM denies the Respondent's extension request, that decision may be appealed to Superior Court in accordance with RIGL 42-35-1 et seq. The Agreement may be amended by mutual agreement of the parties in writing.
7. In the event that the Respondent fails to comply with any of the schedules in paragraph 10 of this Agreement it shall pay a stipulated penalty of one thousand dollars (\$1,000) a day for each and every day it remains in violation of the schedule. The payment of a stipulated penalty in accordance with this paragraph shall not preclude DEM from seeking any other appropriate remedy.
8. In the event the Respondent fails to comply with any of the interim limits of paragraph 10 of this Agreement it may be subject to an administrative penalty as determined by the DEM in accordance with the Rules and Regulations for Assessment of Administrative Penalties. The payment of an administrative penalty in accordance with this paragraph shall not preclude DEM from seeking any other appropriate remedy.
9. This Agreement shall have the full force and effect of a final administrative adjudication, shall be deemed a final administrative decision under the Administrative Procedures Act (RIGL Chapter 42-34) and shall be fully enforceable in the Superior Court of the State of Rhode Island.
10. The Respondent shall attain compliance with the final effluent limits for Total Suspended Solids and the mandatory filter backwash treatment requirements applicable to outfalls 001A, 002A, and 003A in accordance with the following schedule:
 - (a) By May 1, 2016 the Respondent agrees to build a water treatment facility that will comply with the final permit limitations for Total Suspended Solids and the mandatory filter backwash treatment requirements applicable to outfalls 001A, 002A, and 003A by eliminating the surface water discharges from the existing water treatment plant located at 1500 Manville Hill Road, Woonsocket, RI.
 - (b) The Respondent agrees to build a water treatment facility that will eliminate the surface water discharges from the existing water treatment plant located at 1500 Manville Hill Road, Woonsocket, RI in accordance with the following schedule:

- a. By May 30, 2012 submit a final description of the selected alternative including a new plant site selection and plan for procurement of design and construction.
 - b. By August 1, 2013, award a contract to for the design and construction.
 - c. By May 1, 2016, complete Start-up and Initiation of Operations of New Water Treatment Plant and eliminate all discharges.
- (c) From the date of execution of this Agreement until the completion of Part 10(b), the Respondent is required to submit semi-annual project status reports to the DEM. The semi-annual project status reports are due on January 15th and July 15th of each year. The status reports will serve to communicate with the DEM the progress that is being made to comply with the project schedule.
- (d) From the date of execution of this Agreement until May 1, 2016, the Respondent shall meet the interim limits for Total Suspended Solids, as found in Attachment 1, which is attached hereto and incorporated herein.
11. No later than fourteen (14) calendar days following a date identified in any schedule of compliance, the Respondent shall submit either a report of progress or, in the case of specific actions being required by identified dates, a written notice of compliance or noncompliance. In the latter case, the notice shall include the cause of noncompliance, any remedial actions taken, and the probability of meeting the next scheduled requirements.
12. All reports and other documentation that the Respondent is required to submit to the DEM by the terms of this Agreement shall be sent to the Office of Water Resources, RIPDES Program, 235 Promenade Street, Providence, RI 02908-5767. Each document shall be subject to DEM review and approval. Upon DEM review of the document, DEM shall provide written notification to the Respondent, either granting approval or stating the deficiencies revealed therein. Within fourteen (14) days (unless a longer time is specified) of receiving a notification of deficiencies, the Respondent shall submit to DEM a revised document consistent with the DEM comments.
13. This Agreement shall be deemed entered as of the date of execution by the parties.

THE CITY OF WOONSOCKET, RHODE ISLAND

LED T. Fontaine
Name LED T. Fontaine, Title mayor

The individual signing on behalf of the City of Woonsocket, Rhode Island represents that he/she has the actual authority to enter into this Agreement, and the authority to bind the City of Woonsocket Rhode Island to the requirements contained within.

In WOONSOCKET, on the 30th day of MAY

2017, before me personally appeared LED T. FONTAINE (signing party's name), to me known and known by me to be the party executing the foregoing Consent Agreement on behalf of the City of Woonsocket Rhode Island and the acknowledged said instrument executed by him/her to be his/her free act and deed.

Andrea M. Bicki
Notary Public #38718 ANDREA M. BICKI
My Commission expires: 3/20/2014

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
FOR THE DIRECTOR

Angelo S. Liberti, P.E.
Chief of Surface Water Protection

Date

ATTACHMENT 1

Permit No. RI0001627

PART I

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning on the effective date of Consent Agreement RIA-382 and lasting until the completion of Paragraph 10(b) the permittee is authorized to discharge from outfall serial numbers 001A, 002A, and 003A. The interim TSS limits and monitoring requirements applicable to each outfall are specified below:

<u>Effluent Characteristic</u>	<u>Discharge Limitations</u>		<u>Monitoring Requirement</u>	
	<u>Quantity - lbs./day</u>	<u>Concentration - specify units</u>	<u>Measurement</u>	<u>Sample Type</u>
	<u>Average Monthly</u>	<u>Maximum Daily</u>	<u>Average Monthly</u> *(Minimum)	<u>Frequency</u>
Total Suspended Solids	210 lb/day	307 lb/day	— mg/l	2/Month Composite ¹

¹ All composite sampling must consist of a minimum of four (4) grabs spaced equally apart during a typical filter backwash discharge.

— signifies a parameter which must be monitored and data must be reported; final limits are not in effect at this time

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following locations: Outfall 001A, 002A, and 003A (Filter Backwash from Treatment Unit #1, #2, and #3 respectively).

STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES

IN RE: AAD No. 06-007/WRA

No. RIA-382

SECOND MODIFIED CONSENT AGREEMENT

This Consent Agreement is entered into by and between the Department of Environmental Management ("DEM") and The City of Woonsocket (the "Respondent"), which is responsible for the operation of the Woonsocket Drinking Water Treatment Plant (the "Plant"), located at 1500 Manville Road in Woonsocket, Rhode Island. This Agreement is entered into in accordance with Chapters 46-12 and 42-17.1 of the Rhode Island General Laws ("RIGL").

The DEM issued a final permit to the Respondent for the Plant on September 13, 2006 (the "Permit"). By a letter dated October 10, 2006, the Respondent requested an administrative hearing and moved to stay certain conditions of the Permit. On June 27, 2008 the DEM and the Respondent entered into Consent Agreement RIA-382. By letter dated December 30, 2009, DEM alleged that the Respondent failed to meet the deadlines required in paragraphs 10(b), 10(c), and 11(b) of the Consent Agreement and the Consent Agreement's interim pH limits for outfalls 001, 002, and 003 for the months from June 2008 through September 2009. In a letter dated May 26, 2010 the Respondent requested modifications to the Consent Agreement. In order to effect a resolution of all violations alleged in the DEM's December 30, 2009 letter relating to RIPDES permit No. RI0001627, the parties agreed to enter into a revised Consent Agreement which was executed on June 19, 2012. In subsequent correspondence dated December 3, 2015 the Respondent requested further modifications to the compliance schedule contained in the Consent Agreement. In order to effect a resolution of the Respondent's request to modify the Consent Agreement's compliance schedule the parties agree as follows:

1. The Respondent is subject to the provisions of Chapter 46-12 of the RIGL for purposes of this Agreement.
2. DEM has jurisdiction over the subject matter of this Agreement and has personal jurisdiction over the Respondent for purposes of this Agreement.
3. The provisions of this Agreement shall apply to and be binding upon the Respondent, its agents, servants, employees, successors and assigns, and all persons, firms and corporations acting under, through and for it.
4. The compliance with the terms of this Agreement does not relieve the Respondent from compliance with any other applicable laws or regulations administered by DEM or any other governmental entity. This Agreement shall not operate to shield the Respondent from liability arising from future activities, as of the date of execution of this Agreement.

5. Upon the determination by the Director of the DEM that there is an immediate threat to the public health or the environment, or upon the discovery of new information, the DEM reserves the right to order additional remedial action or other enforcement measures as provided by law or regulations.
6. The Director of the DEM may, for good cause shown, defer any of the compliance dates prescribed herein. In the event that the Respondent believes that good cause exists for extending any such dates, the Respondent may submit a written request to DEM for an extension at least seven (7) days prior to such deadline, together with a complete statement of the reasons why the Respondent believes that such an extension is justified. Approval of the extension request shall not be unreasonably withheld. If DEM denies the Respondent's extension request that decision may be appealed to Superior Court in accordance with RIGL 42-35-1 et seq. The Agreement may be amended by mutual agreement of the parties in writing.
7. In the event that the Respondent fails to comply with any of the schedules in paragraph 11 of this Agreement it shall pay a stipulated penalty of one thousand dollars (\$1,000) a day for each and every day it remains in violation of the schedule. The payment of a stipulated penalty in accordance with this paragraph shall not preclude DEM from seeking any other appropriate remedy.
8. In the event the Respondent fails to comply with any of the interim limits of paragraph 11 of this Agreement it shall be subject to an administrative penalty as determined by the DEM in accordance with the Rules and Regulations for Assessment of Administrative Penalties. The payment of an administrative penalty in accordance with this paragraph shall not preclude DEM from seeking any other appropriate remedy.
9. This Agreement shall have the full force and effect of a final compliance order issued after a full hearing on the merits pursuant to the Administrative Procedures Act (RIGL Chapter 42-34-1 et seq.) from which no timely appeal was taken, and which shall be fully enforceable in the Superior Court of the State of Rhode Island.
10. Within thirty (30) days, from the date of execution of this Agreement, the DEM shall initiate procedures to reissue RIPDES permit No. RI0001627 as noted in Attachment A. The Respondent agrees not to contest reissuance of RIPDES permit No. RI0001627 included as Attachment A, so long as the schedule and interim limits outlined in paragraph 11 remain in effect. However, if DEM initiates procedures to reissue the RIPDES permit to contain limits more stringent than those contained in Attachment A and the Respondent appeals said reissuance, DEM will not object to the Respondent raising any issues that the Respondent could have raised in an appeal of the Permit.

11. The Respondent shall attain compliance with the final effluent limits for Total Suspended Solids and the mandatory filter backwash treatment requirements applicable to outfalls 001A, 002A, and 003A, as specified in Attachment A, in accordance with the following schedule:
 - (a) By December 31, 2020, the Respondent agrees to complete Start-up and Initiation of Operations of a New Water Treatment Plant (the "New Plant") that will eliminate the surface water discharges from the existing water treatment plant located at 1500 Manville Hill Road, Woonsocket, RI.
 - (b) From the date of execution of this Agreement until the completion of Part 11(a), the Respondent is required to submit semi-annual project status reports to the DEM. The semi-annual project status reports are due on January 15th and July 15th of each year. The status reports will serve to communicate with the DEM the progress that is being made to comply with the project schedule.
 - (c) From the date of execution of this Agreement until start-up and initiation of operations of the New Plant, the Respondent shall meet the interim limits for Total Suspended Solids, as found in Attachment B, which is attached hereto and incorporated herein.
12. No later than fourteen (14) calendar days following a date identified in any schedule of compliance, the Respondent shall submit either a report of progress or, in the case of specific actions being required by identified dates, a written notice of compliance or noncompliance. In the latter case, the notice shall include the cause of noncompliance, any remedial actions taken, and the probability of meeting the next scheduled requirements.
13. All reports and other documentation that the Respondent is required to submit to the DEM by the terms of this Agreement shall be sent to the Office of Water Resources, RIPDES Program, 235 Promenade Street, Providence, RI 02908-5767. Each document shall be subject to DEM review and approval. Upon DEM review of the document, DEM shall provide written notification to the Respondent, either granting approval or stating the deficiencies revealed therein. Within fourteen (14) days (unless a longer time is specified) of receiving a notification of deficiencies, the Respondent shall submit to DEM a revised document consistent with the DEM comments.
14. This Agreement shall be deemed entered as of the date of execution by the parties.
15. This Agreement and any disputes or claims arising out of or in connection with its subject matter or formation shall be governed by and be interpreted in accordance with the laws of the State of Rhode Island, without regard to its conflict of laws rules.

16. Each party irrevocably agrees that the courts of Rhode Island shall have exclusive jurisdiction to settle any dispute or claim that arise out of or in connection with this Agreement or its subject matter or formation.
17. If a provision of this Agreement is or becomes illegal, invalid, or unenforceable that will not affect the legality, validity or enforceability of any other provision of this Agreement.
18. The parties and their respective counsel either have or have had a reasonable opportunity to review this Agreement.

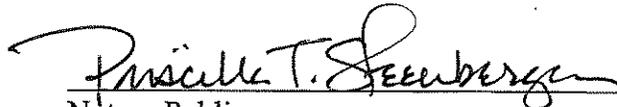
THE CITY OF WOONSOCKET, RHODE ISLAND


STEVEN D'AGOSTINO, DPW DIRECTOR
 Name Title

The individual signing on behalf of the City of Woonsocket, Rhode Island represents that he/she has the actual authority to enter into this Agreement, and the authority to bind the City of Woonsocket Rhode Island to the requirements contained within.

In WOONSOCKET, on the 13th day of SEPTEMBER

2017, before me personally appeared Steven D'Agostino (signing party's name), to me known and known by me to be the party executing the foregoing Consent Agreement on behalf of the City of Woonsocket Rhode Island and the acknowledged said instrument executed by him/her to be his/her free act and deed.


 Notary Public
 My Commission expires: 12/1/19

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 FOR THE DIRECTOR


 Angelo S. Liberti, P.E.
 Chief of Surface Water Protection

September 19, 2017
 Date

ATTACHMENT A

DRAFT RIPDES PERMIT NO. RI0001627

AUTHORIZATION TO DISCHARGE UNDER THE
RHODE ISLAND POLLUTANT DISCHARGE ELIMINATION SYSTEM

In compliance with the provisions of Chapter 46-12 of the Rhode Island General Laws, as amended,

The City of Woonsocket
169 Main Street
Woonsocket, RI 02895

is authorized to discharge from a facility located at

Woonsocket Water Treatment Plant
1500 Marville Road
Woonsocket, RI 02895

to receiving waters named

Blackstone River

in accordance with effluent limitations, monitoring requirements and other conditions set forth herein.

This permit shall become effective on _____.

This permit and the authorization to discharge expire at midnight, five (5) years from the effective date.

This permit supersedes the permit issued on September 13, 2006.

This permit consists of ten (10) pages in Part I including effluent limitations, monitoring requirements, etc. and 10 pages in Part II including General Conditions.

Signed this _____ day of _____, 2017.

DRAFT

Angelo S. Liberti, P.E., Chief of Surface Water Protection
Office of Water Resources
Rhode Island Department of Environmental Management
Providence, Rhode Island

PART I

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning on the effective date and lasting through permit expiration, the permittee is authorized to discharge from outfall serial number 001A. (Consisting of Treated Filter Backwash from Treatment Unit # 1). Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristic	Discharge Limitations		Concentration - specify units		Monitoring Requirement		Sample Type
	Average Monthly	Maximum Daily	Average Monthly *(Minimum)	Average Weekly *(Average)	Maximum Daily *(Maximum)	Measurement Frequency	
Flow	0.37 MGD	--- MGD				Continuous	Recorder
TSS	93 lb/day	155 lb/day	30 mg/l		50 mg/l	2/Month	Composite ¹
Turbidity			--- NTU		--- NTU	2/Month	Composite ¹
pH			(6.5 S.U.)		(9.0 S.U.)	2/Month	Grab ²
Total Residual Chlorine ³			2.0 mg/l		2.0 mg/l	2/Month	Grab
Total Aluminum			13 mg/l		110 mg/l	2/Month	Composite ¹
Total Cadmium			--- mg/l		--- mg/l	1/Quarter	Composite ¹
Total Lead			--- mg/l		--- mg/l	1/Quarter	Composite ¹

¹All composite sampling must consist of a minimum of four (4) grabs spaced equally apart during a typical filter backwash discharge.

²Compliance with these limitations shall be determined by taking a minimum of one (1) grab sample. The grab sample must be analyzed for pH immediately (<15 minutes after sample collection). The maximum value to be reported is the highest individual measurement obtained during the monitoring period. The minimum value to be reported is the lowest individual measurement obtained during the monitoring period.

³The following methods may be used to analyze the grab samples: (1) DPD Spectrophotometric, EPA No. 330.5 or Standard Methods (18th Edition) No. 4500-Cl G; (2) DPD Titrimetric (ferrous titrimetric), EPA No. 330.4 or Standard Methods (18th edition) No. 4500-Cl F; (3) Amperometric titration, EPA No. 330.1 or Standard Methods (18th edition) No. 4500-Cl D; (4) Iodometric Direct Titration, EPA No. 330.3 or Standard Methods (18th edition) No. 4500-Cl B; (5) Iodometric Back Titration, EPA No. 330.2 or Standard Methods (18th edition) No. 4500-Cl C.

--- signifies a parameter which must be monitored and data must be reported; no limit has been established at this time.

* Average Monthly Flow is calculated by dividing the total filter backwash flow per month by the total number of discharge days for the outfall during the corresponding month.

** Values in parentheses () are to be reported as Minimum/Maximum for the reporting period rather than Average Monthly/Maximum Daily.

*** All filter backwash discharges must be treated prior to discharging from Outfall 001A.

**** Samples taken in compliance with the monitoring requirements specified above shall be taken at the following locations: Outfall 001A (Treated Filter Backwash from Treatment Unit #1)

PART I

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

2. During the period beginning on the effective date and lasting through permit expiration, the permittee is authorized to discharge from outfall serial number 002A. (Consisting of Treated Filter Backwash from Treatment Unit # 2). Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristic	Discharge Limitations		Concentration - specify units		Monitoring Requirement		
	Average Monthly	Maximum Daily	Average Monthly *(Minimum)	Average Weekly *(Average)	Maximum Daily *(Maximum)	Measurement Frequency	Sample Type
Flow	0.37 MGD	--- MGD				Continuous	Recorder
TSS	93 lb/day	155 lb/day	30 mg/l		50 mg/l	2/Month	Composite ¹
Turbidity			--- NTU		--- NTU	2/Month	Composite ¹
pH			(6.5 S.U.)		(9.0 S.U.)	2/Month	Grab ²
Total Residual Chlorine ³			2.0 mg/l		2.0 mg/l	2/Month	Grab
Total Aluminum			13 mg/l		110 mg/l	2/Month	Composite ¹
Total Cadmium			--- mg/l		--- mg/l	1/Quarter	Composite ¹
Total Lead			--- mg/l		--- mg/l	1/Quarter	Composite ¹

¹All composite sampling must consist of a minimum of four (4) grabs spaced equally apart during a typical filter backwash discharge.

² Compliance with these limitations shall be determined by taking a minimum of one (1) grab sample. The grab sample must be analyzed for pH immediately (<15 minutes after sample collection). The maximum value to be reported is the highest individual measurement obtained during the monitoring period. The minimum value to be reported is the lowest individual measurement obtained during the monitoring period.

³The following methods may be used to analyze the grab samples: (1) DPD Spectrophotometric, EPA No. 330.5 or Standard Methods (18th Edition) No. 4500-Cl G; (2) DPD Titrimetric (ferrous titrimetric), EPA No. 330.4 or Standard Methods (18th edition) No. 4500-Cl F; (3) Amperometric titration, EPA No. 330.1 or Standard Methods (18th edition) No. 4500-Cl D; (4) Iodometric Direct Titration, EPA No. 330.3 or Standard Methods (18th edition) No. 4500-Cl B; (5) Iodometric Back Titration, EPA No. 330.2 or Standard Methods (18th edition) No. 4500-Cl C.

--- signifies a parameter which must be monitored and data must be reported; no limit has been established at this time.

* Average Monthly Flow is calculated by dividing the total filter backwash flow per month by the total number of discharge days for the outfall during the corresponding month.

** Values in parentheses () are to be reported as Minimum/Maximum for the reporting period rather than Average Monthly/Maximum Daily.

*** All filter backwash discharges must be treated prior to discharging from Outfall 002A.

**** Samples taken in compliance with the monitoring requirements specified above shall be taken at the following locations: Outfall 002A (Treated Filter Backwash from Treatment Unit #2).

PART I

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

3. During the period beginning on the effective date and lasting through permit expiration, the permittee is authorized to discharge from outfall serial number 003A. (Consisting of Treated Filter Backwash from Treatment Unit #3). Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristic	Discharge Limitations		Concentration - specify units		Monitoring Requirement		Sample Type
	Average Monthly	Maximum Daily	Average Monthly *(Minimum)	Average Weekly *(Average)	Maximum Daily *(Maximum)	Measurement Frequency	
Flow	0.37 MGD	--- MGD					Recorder
TSS	93 lb/day	155 lb/day	30 mg/l		50 mg/l	Continuous	Composite ¹
Turbidity			--- NTU		--- NTU	2/Month	Composite ¹
pH			(6.5 S.U.)		(9.0 S.U.)	2/Month	Grabs ²
Total Residual Chlorine ³			2.0 mg/l		2.0 mg/l	2/Month	Grab
Total Aluminum			13 mg/l		110 mg/l	2/Month	Composite ¹
Total Cadmium			--- mg/l		--- mg/l	1/Quarter	Composite ¹
Total Lead			--- mg/l		--- mg/l	1/Quarter	Composite ¹

¹All composite sampling must consist of a minimum of four (4) grabs spaced equally apart during a typical filter backwash discharge.

² Compliance with these limitations shall be determined by taking a minimum of one (1) grab sample. The grab sample must be analyzed for pH immediately (<15 minutes after sample collection). The maximum value to be reported is the highest individual measurement obtained during the monitoring period. The minimum value to be reported is the lowest individual measurement obtained during the monitoring period.

³The following methods may be used to analyze the grab samples: (1) DPD Spectrophotometric, EPA No. 330.5 or Standard Methods (18th Edition) No. 4500-Cl G; (2) DPD Titrimetric (ferrous titrimetric), EPA No. 330.4 or Standard Methods (18th edition) No. 4500-Cl F; (3) Amperometric titration, EPA No. 330.1 or Standard Methods (18th edition) No. 4500-Cl D; (4) Iodometric Direct Titration, EPA No. 330.3 or Standard Methods (18th edition) No. 4500-Cl B; (5) Iodometric Back Titration, EPA No. 330.2 or Standard Methods (18th edition) No. 4500-Cl C.

--- signifies a parameter which must be monitored and data must be reported; no limit has been established at this time.

* Average Monthly Flow is calculated by dividing the total filter backwash flow per month by the total number of discharge days for the outfall during the corresponding month.

** Values in parentheses () are to be reported as Minimum/Maximum for the reporting period rather than Average Monthly/Maximum Daily.

*** All filter backwash discharges must be treated prior to discharging from Outfall 003A.

**** Samples taken in compliance with the monitoring requirements specified above shall be taken at the following locations: Outfall 003A (Treated Filter Backwash from Treatment Unit #3).

4. The pH of the effluent must be in the range of 6.5 - 9.0 standard units.
5. The discharge shall not cause visible discoloration of the receiving waters.
6. The effluent shall contain neither a visible oil sheen, foam, nor floating solids at any time.
7. The turbidity of the receiving water shall not exceed 10 NTU over natural background.
8. Solids, sludges, or biosolids removed in the course of treatment or control of wastewaters, shall be properly disposed of in compliance with applicable state laws, regulations, and permit requirements, and in a manner such as to prevent any pollutant from such materials from entering the waters of the state.
9. The permittee is required to maintain and implement a comprehensive Residuals Management Plan. The components of the Residuals Management Plan must include the following:
 - a. Characterization of the form, quantity, and quality of the residuals;
 - b. Determination of the appropriate regulatory requirements;
 - c. Identification of feasible disposal options;
 - d. Selection of appropriate residuals processing/treatment technologies and development of a residuals management strategy that meets the regulatory goals established for the water treatment facility;
 - e. Development of best management practices which at a minimum include the following: a) an evaluation of the water treatment residuals storage capacity within each residuals treatment unit and identification of criteria which will serve as a trigger to determine when treatment units (i.e. lagoons, equalization basins, etc.) need to be pulled offline in order to avoid short circuiting and potential permit violations; b) development of procedures and periodic evaluation techniques necessary to gauge the remaining storage capacity of residuals treatment units; c) an evaluation of the need for coordination between WTP operators and personnel responsible for the operation of the WTP residuals treatment units; d) development of maintenance procedures to deactivate and prepare treatment units for sludge removal. These maintenance procedures must identify the appropriate steps necessary to temporarily lower the water level in the treatment unit, remove settled sludges, and restore the flow through the treatment unit in such a way that degradation of the receiving waters and permit violations will be prevented;
 - f. A requirement that all critical activities associated with the operations and maintenance of the water treatment plant residuals treatment units be documented and copies of such documentation be kept on site at all times throughout the effective life of the permit;
 - g. A requirement to review the Residuals Management Plan (at a minimum) on a yearly basis, which also requires the Plan to be updated as necessary. A copy of the Residuals Management Plan and records of the annual reviews must be available on site at all times throughout the effective life of the permit.

The DEM may notify the permittee at any time that the Residuals Management Plan is deficient or does not meet one or more of the minimum requirements of the permit. After such notification from the DEM, the permittee shall make changes to the Residuals Management Plan and shall submit to the DEM a written certification that the requested changes have been made. Unless

otherwise provided by the DEM, the permittee shall have thirty (30) days after such notification to make the necessary changes. The permittee shall immediately amend the Residuals Management Plan if it proves to be ineffective in achieving the general objectives of controlling pollutants in discharges associated with the water treatment facility. Changes must be noted and then submitted to the DEM within thirty (30) days of amending the Residuals Management Plan. Amendments to the Residuals Management Plan may be reviewed by the DEM in the same manner as specified above.

10. This permit authorizes the use of aluminum based water treatment chemicals, hydrated lime, Magnafloc E30 (polyacrylamide), and chlorine as indicated in the permit application. The permittee must notify the DEM and obtain written approval prior to using any other chemicals.
11. All existing manufacturing, commercial, mining, and silvicultural dischargers must notify the Director as soon as they know or have reason to believe:
 - a. That any activity has occurred or will occur which would result in the discharge, on a routine or frequent basis, of any toxic pollutant which is not limited in the permit, if that discharge will exceed the highest of the following "notification levels":
 - (1) One hundred micrograms per liter (100 ug/l);
 - (2) Two hundred micrograms per liter (200 ug/l) for acrolein and acrylonitrile; five hundred micrograms per liter (500 ug/l) for 2,4-dinitrophenol and for 2-methyl-4,6-dinitro-phenol; and one milligram per liter (1 mg/l) for antimony;
 - (3) Five (5) times the maximum concentration value reported for that pollutant in the permit application in accordance with 40 C.F.R. s122.21(g)(7); or
 - (4) Any other notification level established by the Director in accordance with 40 C.F.R. s122.44(f) and Rhode Island Regulations.
 - b. That any activity has occurred or will occur which would result in the discharge, on a non-routine or infrequent basis, of any toxic pollutant which is not limited in the permit, if that discharge will exceed the highest of the following "notification levels":
 - (1) Five hundred micrograms per liter (500 ug/l);
 - (2) One milligram per liter (1 mg/l) for antimony;
 - (3) Ten (10) times the maximum concentration value reported for that pollutant in the permit application in accordance with 40 C.F.R. s122.21(g)(7); or
 - (4) Any other notification level established by the Director in accordance with 40 C.F.R. s122.44(f) and Rhode Island Regulations.
 - c. That they have begun or expect to begin to use or manufacture as an intermediate or final product or by-product any toxic pollutant which was not reported in the permit application.

12. This permit serves as the State's Water Quality Certificate for the discharges described herein.

B. DETECTION LIMITS

The permittee shall assure that all wastewater testing required by this permit, is performed in conformance with the method detection limits listed below. In accordance with 40 CFR Part 136, EPA approved analysis techniques, quality assurance procedures and quality control procedures shall be followed for all reports required to be submitted under the RIPDES program. These procedures are described in "Methods for the Determination of Metals in Environmental Samples" (EPA/600/4-91/010) and "Methods for Chemical Analysis of Water and Wastes" (EPA/600/4-79/020).

The report entitled "Methods for the Determination of Metals in Environmental Samples" includes a test which must be performed in order to determine if matrix interferences are present, and a series of tests to enable reporting of sample results when interferences are identified. Each step of the series of tests becomes increasingly complex, concluding with the complete Method of Standard Additions analysis. The analysis need not continue once a result which meets the applicable quality control requirements has been obtained. Documentation of all steps conducted to identify and account for matrix interferences shall be documented and maintained onsite.

If, after conducting the complete Method of Standard Additions analysis, the laboratory is unable to determine a valid result, the laboratory shall report "could not be analyzed". Documentation supporting this claim shall be maintained onsite. If valid analytical results are repeatedly unobtainable, DEM may require that the permittee determine a method detection limit (MDL) for their effluent or sludge as outlined in 40 CFR Part 136, Appendix B.

When calculating sample averages for reporting on discharge monitoring reports (DMRs):

1. "could not be analyzed" data shall be excluded, and shall not be considered as failure to comply with the permit sampling requirements;
2. results reported as less than the MDL shall be reported as zero in accordance with the DEM's DMR Instructions, provided that all appropriate EPA approved methods were followed.

Therefore, all sample results shall be reported as: an actual value, "could not be analyzed", or zero. The effluent or sludge specific MDL must be calculated using the methods outlined in 40 CFR Part 136, Appendix B. Samples which have been diluted to ensure that the sample concentration will be within the linear dynamic range shall not be diluted to the extent that the analyte is not detected. If this should occur the analysis shall be repeated using a lower degree of dilution.

LIST OF TOXIC POLLUTANTS

The following list of toxic pollutants has been designated pursuant to Section 307(a)(1) of the Clean Water Act. The Method Detection Limits (MDLs) represent the required Rhode Island MDLs.

Volatiles - EPA Method 624		MDL ug/l (ppb)			
1V	acrolein	10.0	16P	heptachlor	0.029
2V	acrylonitrile	5.0	17P	heptachlor epoxide	0.040
3V	benzene	1.0			
5V	bromoform	1.0	Pesticides - EPA Method 608		MDL ug/l (ppb)
6V	carbon tetrachloride	1.0	18P	PCB-1242	0.289
7V	chlorobenzene	1.0	19P	PCB-1254	0.298
8V	chlorodibromomethane	1.0	20P	PCB-1221	0.723
9V	chloroethane	1.0	21P	PCB-1232	0.387
10V	2-chloroethylvinyl ether	5.0	22P	PCB-1248	0.283
11V	chloroform	1.0	23P	PCB-1260	0.222
12V	dichlorobromomethane	1.0	24P	PCB-1016	0.494
14V	1,1-dichloroethane	1.0	25P	toxaphene	1.670
15V	1,2-dichloroethane	1.0			
16V	1,1-dichloroethylene	1.0	Base/Neutral - EPA Method 625		MDL ug/l (ppb)
17V	1,2-dichloropropane	1.0	1B	acenaphthene *	1.0
18V	1,3-dichloropropylene	1.0	2B	acenaphthylene *	1.0
19V	ethylbenzene	1.0	3B	anthracene *	1.0
20V	methyl bromide	1.0	4B	benzidine	4.0
21V	methyl chloride	1.0	5B	benzo(a)anthracene *	2.0
22V	methylene chloride	1.0	6B	benzo(a)pyrene *	2.0
23V	1,1,2,2-tetrachloroethane	1.0	7B	3,4-benzofluoranthene *	1.0
24V	tetrachloroethylene	1.0	8B	benzo(ghi)perylene *	2.0
25V	toluene	1.0	9B	benzo(k)fluoranthene *	2.0
26V	1,2-trans-dichloroethylene	1.0	10B	bis(2-chloroethoxy)methane	2.0
27V	1,1,1-trichloroethane	1.0	11B	bis(2-chloroethyl)ether	1.0
28V	1,1,2-trichloroethane	1.0	12B	bis(2-chloroisopropyl)ether	1.0
29V	trichloroethylene	1.0	13B	bis(2-ethylhexyl)phthalate	1.0
31V	vinyl chloride	1.0	14B	4-bromophenyl phenyl ether	1.0
			15B	butylbenzyl phthalate	1.0
			16B	2-chloronaphthalene	1.0
			17B	4-chlorophenyl phenyl ether	1.0
			18B	chrysene *	1.0
			19B	dibenzo (a,h)anthracene *	2.0
			20B	1,2-dichlorobenzene	1.0
			21B	1,3-dichlorobenzene	1.0
			22B	1,4-dichlorobenzene	1.0
			23B	3,3' -dichlorobenzidine	2.0
			24B	diethyl phthalate	1.0
			25B	dimethyl phthalate	1.0
			26B	di-n-butyl phthalate	1.0
			27B	2,4-dinitrotoluene	2.0
			28B	2,6-dinitrotoluene	2.0
			29B	di-n-octyl phthalate	1.0
			30B	1,2-diphenylhydrazine (as azobenzene)	1.0
			31B	fluoranthene *	1.0
			32B	fluorene *	1.0
			33B	hexachlorobenzene	1.0
			34B	hexachlorobutadiene	1.0
			35B	hexachlorocyclopentadiene	2.0
			36B	hexachloroethane	1.0
			37B	indeno(1,2,3-cd)pyrene *	2.0
			38B	isophorone	1.0
			39B	naphthalene *	1.0
			40B	nitrobenzene	1.0
			41B	N-nitrosodimethylamine	1.0
			42B	N-nitrosodi-n-propylamine	1.0
			43B	N-nitrosodiphenylamine	1.0
			44B	phenanthrene *	1.0
			45B	pyrene *	1.0
			46B	1,2,4-trichlorobenzene	1.0

Acid Compounds - EPA Method 625		MDL ug/l (ppb)
1A	2-chlorophenol	1.0
2A	2,4-dichlorophenol	1.0
3A	2,4-dimethylphenol	1.0
4A	4,6-dinitro-o-cresol	1.0
5A	2,4-dinitrophenol	2.0
6A	2-nitrophenol	1.0
7A	4-nitrophenol	1.0
8A	p-chloro-m-cresol	2.0
9A	pentachlorophenol	1.0
10A	phenol	1.0
11A	2,4,6-trichlorophenol	1.0

Pesticides - EPA Method 608		MDL ug/l (ppb)
1P	aldrin	0.059
2P	alpha-BHC	0.058
3P	beta-BHC	0.043
4P	gamma-BHC	0.048
5P	delta-BHC	0.034
6P	chlordan	0.211
7P	4,4' -DDT	0.251
8P	4,4' -DDE	0.049
9P	4,4' -DDD	0.139
10P	dieldrin	0.082
11P	alpha-endosulfan	0.031
12P	beta-endosulfan	0.036
13P	endosulfan sulfate	0.109
14P	endrin	0.050
15P	endrin aldehyde	0.062

OTHER TOXIC POLLUTANTS

	MDL ug/l (ppb)
Antimony, Total	3.0
Arsenic, Total	1.0
Beryllium, Total	0.2
Cadmium, Total	0.1
Chromium, Total	1.0
Chromium, Hexavalent	20.0
Copper, Total	1.0
Lead, Total	1.0
Mercury, Total	0.2
Nickel, Total	1.0
Selenium, Total	2.0
Silver, Total	0.5
Thallium, Total	1.0
Zinc, Total	5.0
Asbestos	**
Cyanide, Total	10.0
Phenols, Total	50.0
TCDD	**
MTBE (Methyl Tert Butyl Ether)	1.0
Turbidity	0.2 NTU
Fecal Coliform	2.0 MPN/100 ml

** No Rhode Island Department of Environmental Management (RIDEM) MDL

NOTE:

The MDL for a given analyte may vary with the type of sample. MDLs which are determined in reagent water may be lower than those determined in wastewater due to fewer matrix interferences. Wastewater is variable in composition and may therefore contain substances (interferents) that could affect MDLs for some analytes of interest. Variability in instrument performance can also lead to inconsistencies in determinations of MDLs.

To help verify the absence of matrix or chemical interference the analyst is required to complete specific quality control procedures. For the metals analyses listed above the analyst must withdraw from the sample two equal aliquots; to one aliquot add a known amount of analyte, and then dilute both to the same volume and analyze. The unspiked aliquot multiplied by the dilution factor should be compared to the original. Agreement of the results within 10% indicates the absence of interference. Comparison of the actual signal from the spiked aliquot to the expected response from the analyte in an aqueous standard should help confirm the finding from the dilution analysis. (Methods for Chemical Analysis of Water and Wastes EPA-600/4-79/020).

For Methods 624 and 625 the laboratory must on an ongoing basis, spike at least 5% of the samples from each sample site being monitored. For laboratories analyzing 1 to 20 samples per month, at least one spiked sample per month is required. The spike should be at the discharge permit limit or 1 to 5 times higher than the background concentration determined in Section 8.3.2, whichever concentration would be larger. (40 CFR Part 136 Appendix B Method 624 and 625 subparts 8.3.1 and 8.3.11).

C. MONITORING AND REPORTING

The monitoring program in the permit specifies sampling and analysis, which will provide continuous information on compliance and the reliability and effectiveness of the installed pollution abatement equipment. The approved analytical procedures found in 40 CFR Part 136 are required unless other procedures are explicitly required in the permit. The Permittee is obligated to monitor and report sampling results to the DEM within the time specified within the permit.

Unless otherwise specified in this permit, the permittee shall submit reports, requests, and information and provide notices in the manner described in this section.

1. Submittal of DMRs Using NetDMR

The permittee shall continue to submit its monthly monitoring data in discharge monitoring reports (DMRs) to DEM no later than the 15th day of the month electronically using NetDMR. When the permittee submits DMRs using NetDMR, it is not required to submit hard copies of DMRs to DEM.

2. Submittal of Reports as NetDMR Attachments

Unless otherwise specified in this permit, the permittee must submit electronic copies of documents in NetDMR that are directly related to the DMR. These include the following:

- DMR Cover Letters
- Below Detection Limit summary tables
- Monthly Operating Reports

3. Submittal of Reports in Hard Copy Form

The following notifications and reports shall be submitted as hard copy with a cover letter describing the submission. These reports shall be signed and dated originals submitted to DEM.

- A. Written notifications required under Part II
- B. Notice of unauthorized discharges

This information shall be submitted to DEM at the following address:

Rhode Island Department of Environmental Management
RIPDES Program
235 Promenade Street
Providence, Rhode Island 02908

4. Verbal Reports and Verbal Notifications

Any verbal reports or verbal notifications, if required in Parts I and/or II of this permit, shall be made to the DEM. This includes verbal reports and notifications which require reporting within 24 hours. (See Part II.(I)(5) General Requirements for 24-hour reporting) Verbal reports and verbal notifications shall be made to DEM at (401) 222-4700 or (401) 222-3070 at night.

2.

RHODE ISLAND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
235 PROMENADE STREET
PROVIDENCE, RHODE ISLAND 02908-5767

STATEMENT OF BASIS

RHODE ISLAND POLLUTANT DISCHARGE ELIMINATION SYSTEM (RIPDES) PERMIT TO DISCHARGE TO WATERS OF THE STATE

RIPDES PERMIT NO.

RI0001627

NAME AND ADDRESS OF APPLICANT:

City of Woonsocket
169 Main Street
Woonsocket, RI 02895

NAME AND ADDRESS OF FACILITY WHERE DISCHARGE OCCURS:

Woonsocket Water Treatment Plant
1500 Manville Road
Woonsocket, Rhode Island 02895

RECEIVING WATER:

Blackstone River

CLASSIFICATION:

B1

I. Proposed Action, Type of Facility, and Discharge Location

The above named applicant has applied to the Rhode Island Department of Environmental Management (DEM) for reissuance of a RIPDES Permit to discharge into the designated receiving water. The facility is involved in the production of potable water for "domestic" and "industrial" uses. The discharge is from three outfalls associated with the backwashing of three water treatment units used for the production of potable water. The bulk of the total settled residuals produced in each of the three treatment units is discharged directly to the Woonsocket Waste Water Treatment Facility under the authorization of the Woonsocket Waste Water Treatment Plant Industrial Pretreatment Program. This permit only authorizes the discharge of treated filter backwash to the Blackstone River.

II. Permit Limitations and Conditions

The effluent limitations, monitoring requirements, and any implementation schedule (if required) may be found in the draft permit. A quantitative description of the discharge in terms of significant effluent parameters based on historic discharge monitoring report (DMR) data is shown in Attachment 1. When the 2006 permit was issued it was determined that the discharges from outfalls 001A, 002A, and 003A would not comply with certain permit limitations and requirements applicable to these outfalls. By a letter dated October 10, 2006 the City requested an administrative hearing and moved to stay certain conditions of the RIPDES permit for pH, Total Suspended Solids, and the mandatory filter backwash treatment requirements applicable to

outfalls 001A, 002A, and 003A. The DEM granted the stay request for outfalls 001A, 002A, and 003A. Consent Agreement No. RIA-382 was subsequently signed on June 27, 2008 which provided interim limitations for outfalls 001A, 002A, and 003A and a schedule for the City to bring the discharges into compliance with the 2006 permit limitations. On January 14, 2010 the City completed the installation of the pH adjustment system in order to comply with pH limitations. The consent agreement included a compliance schedule to bring the City into compliance with the TSS and mandatory filter backwash treatment requirements applicable to outfalls 001A, 002A, and 003A. The compliance option selected by the City was the construction of a new water treatment plant which would eliminate the need for a surface water discharge. The City of Woonsocket indicated to the DEM that upgrading or replacing the existing water treatment plant was also required as a result of the aging infrastructure present at the facility in addition to anticipated changes to the drinking water quality criteria. The original deadline established in RIA-382 to eliminate all discharges from the existing water treatment plant was March 1, 2013. In a letter dated May 26, 2010 the City requested modifications to the consent agreement. On June 19, 2012 a modified Consent Agreement No. RIA-382 was established and executed by both parties establishing interim milestones with a deadline to complete startup and initiation of operations of a new water treatment plant and elimination of all discharges by May 1, 2016. In December 2015 the City requested further modifications to RIA-382. The City projects that a Design-Build-Operate (DBO) contract will be awarded to the selected vendor by July 31, 2016. The City has also requested at this same time an extension to the deadline for completion of the new water treatment plant and elimination of the discharge to December 31, 2019. The DEM has revised RIA-382 to contain these new deadlines. Once this permit is finalized the City will be subject to interim limits for TSS and the mandatory filter backwash treatment requirements for Outfalls 001A, 002A, and 003A under Consent Agreement No. RIA-382 until the discharge is eliminated on December 31, 2019.

III. **Permit Basis and Explanation of Effluent Limitation Derivation**

The Facility

The City of Woonsocket operates a Water Treatment Plant at 1500 Manville Road in Woonsocket, RI. The Woonsocket Water Treatment Plant (WTP) is engaged in the treatment of water to produce potable water for "domestic" and "industrial" uses. The plant receives raw water from a combination of sources which include a series of ponds and reservoirs. The WTP utilizes surface water from the Crookfall Brook and Harris Pond Watersheds. The Crookfall Brook watershed, located within the town of Smithfield, North Smithfield, and Lincoln consists of Reservoir #3, Reservoir #1, and Crookfall Brook. The Crookfall Brook is the primary source for the WTP and extends over approximately 7.93 mi². The Harris Pond watershed area is used as a supplemental source on an as needed basis and consists of approximately 33.3 mi² extending through Massachusetts including the communities of Blackstone, Mendon, Hopedale, Upton, Bellingham, and Milford.

Treatment Process

The plant treats raw surface water by a series of processes. The first step in the process includes pretreatment by chemical addition. Incoming raw water is treated with the following pretreatment chemicals: aluminum sulfate, hydrated lime (as needed), chlorine (as needed), and non-ionic polymer. Once the pretreatment chemical addition process is complete, the pretreated water enters a static mixing chamber and then is directed to one of three units designed for flocculation, clarification, and filtration. Following the flocculation and clarification process settled sludge is discharged directly to the Woonsocket Waste Water Treatment Plant Sanitary Sewer system on a daily basis. The Woonsocket WTP currently holds an industrial user permit for these discharges as authorized by the Woonsocket Waste Water Treatment Plant Industrial Pretreatment Program. Once filtration has occurred chlorine, fluoride, and a corrosion inhibitor is added to the treated water prior to entering one of the two clear wells. Once the treated water exits the clear wells, it is then

treated with lime and enters the distribution system. The surface water discharge consists of filter backwash originating from each of the three filtration units. During normal operation of the plant backwashing from any one of the three filtration units takes place approximately three days per week in the winter and four days per week in the summer due to higher seasonal demands on the treatment system. Based on historical operating data provided by the City of Woonsocket, the monthly average discharge flow limit has been set at 0.37 MGD. The treatment plant may backwash one of the filters any day of the week, although under certain circumstances two of the filters may be discharged in one day for a total backwash flow of 0.8 MGD. Each filtration unit discharges to a separate outfall. The outfalls discharge directly into the Blackstone River and are designated as 001A, 002A, and 003A. The Woonsocket WTP process diagram is included in Attachment 2.

Discharge Location

The discharges from this facility exit through outfalls 001A, 002A, and 003A and enter the Blackstone River which is designated in the RI Water Quality Regulations as Water Body ID No. RI0001003R – 01A. This segment of the Blackstone River begins at the Massachusetts-Rhode Island border and extends to the Combined Sewer Outfall located at River and Samoset Streets in Central Falls. This segment is located in the following municipalities: Woonsocket, North Smithfield, Cumberland, Lincoln, and Central Falls. This water body is classified as Class B1 which according to the RI Water Quality Regulations are waters which are designated for primary and secondary contact recreational activities and fish and wildlife habitat. They shall be suitable for compatible industrial processes and cooling, hydropower, aquacultural uses, navigation, and irrigation and other agricultural uses. These waters shall have good aesthetic value. Primary contact recreational activities may be impacted due to pathogens from approved wastewater discharges. However all Class B criteria must be met.

The attainment of the Clean Water Act goals is measured by determining how well waters support their designated uses. According to the 2014 303(d) List of Impaired Waters this segment of the Blackstone River is listed as not supporting the fish and wildlife habitat use due to impairments associated with Benthic-Macroinvertebrate Bioassessments, Cadmium, Eurasian Water Milfoil, Myriophyllum Spicatum, Lead, Non-Native Aquatic Plants, Dissolved Oxygen, and Total Phosphorus. In addition, this waterbody segment is not supporting the fish consumption use due to impairments associated with Mercury and PCBs in Fish Tissue. This waterbody segment is not supporting primary and secondary contact recreational uses due to impairments associated with Enterococcus and Fecal Coliform.

General Requirements

Development of RIPDES permit limitations is a multi-step process consisting of the following steps: identifying applicable technology-based limits; calculating allowable water-quality based discharge levels based on instream criteria, background data and available dilution; establishing Best Professional Judgement (BPJ) limits in accordance with Section 402 of the CWA; and assigning the most stringent as the final discharge limitations.

Water quality criteria are comprised of numeric and narrative criteria. Numeric criteria are scientifically derived ambient concentrations developed by EPA or States for various pollutants of concern to protect human health and aquatic life. Narrative criteria are statements that describe the desired water quality goal. A technology-based limit is a numeric limit, which is determined by examining the capability of a treatment process to reduce or eliminate pollutants.

Appendix B of the Water Quality Regulations describes the flows used to determine compliance with the aquatic life criteria, specifying that the design flow to be utilized for aquatic life criteria shall not be exceeded at or above the lowest average 7 consecutive day low flow with an average recurrence frequency of once in 10 years (7Q10). The DEM has calculated the 7Q10 at the location

of the WTP outfalls (001A, 002A, and 003A) based on a comparison of the drainage areas for the Blackstone River at the USGS Woonsocket Gauging Station # 01112500, the drainage area for the location of the WTP outfalls, and the 7Q10 flow at Station # 01112500. Using the following steps a site specific 7Q10 flow value was determined:

Step 1: Determine the Drainage Area of the watershed that is upstream of the gauge station:

$$DA_{\text{Upstream of Gauge}} = 416 \text{ mi}^2$$

Step 2: Find the 7Q10 flow for the gauge station:

$$7Q10_{\text{Gauge}} = 102.25 \text{ ft}^3/\text{sec}$$

Step 3: Determine drainage area of the watershed that is upstream from the point of discharge:

$$DA_{\text{Upstream of discharge}} = 423 \text{ mi}^2$$

Step 4: Calculate the equivalent 7Q10 flow using the following formula:

$$7Q10_{\text{Woonsocket WTP}} = (7Q10_{\text{Gauge}} / DA_{\text{Upstream of gauge}}) \times (DA_{\text{Upstream of discharge}})$$

$$7Q10_{\text{Woonsocket WTP}} = 104 \text{ ft}^3/\text{sec (cfs)}$$

Based on the site specific 7Q10 flow in the Blackstone River at the location of the WTP outfalls 001A, 002A, and 003A, a dilution factor was then determined for each of the outfalls:

$$DF = \frac{Q_D + Q_{dis.}}{Q_{dis.}}$$

Where: DF = Dilution Factor
Q_D = Design Flow (Receiving Water 7Q10 Flow)
Q_{dis.} = Discharge Flow

Outfall 001A, 002A, and 003A

The dilution factor was determined to be 183, based on a 7Q10 flow of 104 cfs and a monthly average discharge flow of 0.572 cfs (0.37 MGD).

Water Quality Based Permit Limitations

The allowable effluent limitations were established based on the non-class A freshwater acute and chronic aquatic life criteria and human health criteria specified in Appendix B of the Rhode Island Water Quality Regulations, as amended, using 80% allocation when no background data was available or background data is impacted by upstream sources and 90% allocation when background data is available. Since either there is no background data available, or the background data is impacted by upstream sources, the allowable water quality-based discharge levels are set equal to 80% of the water quality criteria for Class B waters as listed in Appendix B of the Rhode Island Water Quality Regulations. Aquatic life criteria have been established to ensure the protection and propagation of aquatic life while human health criteria represent the pollutant levels that would not result in a significant risk to public health from ingestion of aquatic organisms. The more stringent of the two criteria was then used in establishing allowable effluent limitations.

For water quality-based limitations the allowable discharge limits were calculated as follows:

Background concentration unknown or available data is impacted by sources that have not yet achieved water quality based limits.

$$\text{Limit}_1 = (\text{DF}) * (\text{Criteria}) * (80\%)$$

In accordance with 40 CFR 122.44(d)(1)(iii), water quality based effluent limitations are only required for those pollutants in the discharge that have the reasonable potential to cause or contribute to the exceedence of instream criteria. In order to evaluate the need for permit limits, the allowable monthly average (chronic) and allowable maximum daily (acute) discharge concentrations are compared to the monthly average and maximum daily Discharge Monitoring Report (DMR) data or other monitoring data.

Total Suspended Solids

The previous permit issued on September 13, 2006 included monthly average and daily maximum TSS limitations of 30 mg/l monthly average and 50 mg/l daily maximum. These permit limits were assigned based on Best Professional Judgment (BPJ). The DEM has determined that the use of the best available treatment technologies are not cost prohibitive and that by using the best available treatment technologies such as a settling lagoon or other device(s) whereby comparable control of suspended solids is possible, the 30 mg/l and 50 mg/l TSS limitations can be achieved. According to the U.S. Environmental Protection Agency Filter Backwash Recycling Rule Technical Guidance Manual, there are several options available for solids separation from spent filter backwash water and other residual waste streams. Typical treatment technologies that are available to meet these limitations are settling lagoons, sand drying beds, mechanical dewatering systems such as tube and plate settlers and centrifuge equipment. Mass based limits for outfall 001A, 002A, and 003A were previously determined using the concentration based limits and the monthly average flow limit of 0.37 MGD resulting in TSS loading limits of 93 lb/day monthly average and 155 lb/day daily maximum. These previous TSS concentration and loading based permit limitations have been carried forward in this permit.

Turbidity

Turbidity monitoring requirements have been included in this permit in order to establish a database of NTU data that can be used to determine compliance with water quality criteria. The permit also includes a narrative condition that the receiving water's turbidity not be increased more than 10 NTU over background.

Total Iron

The previous permit issued on September 13, 2006 required monitoring for Total Iron only during months in which iron based coagulation agents were used in the water treatment process. During all other periods sampling was not required. Since the permit was previously issued the City of Woonsocket has not used iron based water treatment chemicals at the drinking water plant. As a result, monitoring for this parameter was not conducted and effluent data was not reported. The DEM has not included monitoring requirements for Total Iron in this permit. However, this permit does authorize the use of aluminum based chemicals in the water treatment process. The permittee must notify the DEM and request a permit modification prior to using any other coagulation agents other than those specifically addressed in Part I.A.10 of the permit.

Total Aluminum

The previous permit issued on September 13, 2006 specified permit limitations for Total Aluminum due to the fact that the discharges from outfalls 001A, 002A, and 003A contain aluminum. This is due to the fact that the Woonsocket WTP utilizes Aluminum Sulfate as the primary coagulation agent in the water treatment process. Using discharge monitoring report data

from the previous five years the RIPDES program evaluated the impact that these discharges are having on the receiving water during filter backwash discharges. The following results were obtained by averaging the values submitted on the DMRs between May 2007 and September 2015: Outfall 001A (6.4 mg/l monthly average and 7.2 mg/l daily maximum), Outfall 002A (5.4 mg/l monthly average and 6.1 mg/l daily maximum), Outfall 003A (5.0 mg/l monthly average and 5.6 mg/l daily maximum). Applicable permit limitations were calculated by using the following equation:

Background concentration unknown or available data is impacted by sources that have not yet achieved water quality based limits.

$$\text{Limit}_1 = (DF) * (\text{Criteria}) * (80\%)$$

This calculation bears the following Total Aluminum values: Monthly Average = 13 mg/l, and Daily Maximum = 110 mg/l. Although the DMR data collected and submitted in accordance with the 2006 permit are below these values, the DEM has determined that there is reasonable potential for the discharge to violate water quality criteria for Total Aluminum and therefore permit limitations have been assigned to outfalls 001A, 002A, and 003A.

Receiving Water Body Impairments

The previous permit issued on September 13, 2006 required quarterly monitoring for Total Copper and Total Lead based on the fact that the Blackstone River from the MA-RI border to the CSO outfall located at River and Samoset Streets in Central Falls was impaired for Copper and Lead according to the State of Rhode Island 2004 303(d) List, List of Impaired Waters dated May 2005. As indicated above, the receiving water is currently listed as impaired for Total Cadmium and Total Lead and is no longer listed as impaired for Total Copper. Based on the monitoring data collected over approximately the last five years it has been determined that there is no reasonable potential for the proposed discharge from outfalls 001A, 002A, and 003A to violate the applicable permit limitations established for Copper (monthly average limit = 417 ug/l and daily maximum limit = 554 ug/l). As a result these monitoring requirements for Copper have been eliminated from the draft permit. However, since the receiving water is listed as impaired for Cadmium and Lead, monitoring for these pollutants has been included in the permit. The discharge from this facility is not expected to contribute to any of the other impairments.

Total Residual Chlorine

Total Residual Chlorine (TRC) limits have been assigned in this permit due to the fact that there is reasonable potential for the discharge to exceed water quality criteria limits for TRC. When calculating TRC limits 100% allocation of TRC was used due to the fact that chlorine is not expected to be found in ambient water and it is a non-conservative pollutant. Therefore, the permit limit is calculated using the following equation:

$$\text{Limit}_1 = (DF) * (\text{Criteria}) * (100\%)$$

Based on the above mentioned equation, limits for chlorine were calculated as: Monthly Average Limit = 2009 ug/l, and Maximum Daily Limit = 3470 ug/l. In order to prevent acute toxic impacts in the receiving water at the point of discharge the DEM typically applies a BPJ limit of 2.0 mg/l as a technology based limit in cases where water quality based limitations are less stringent. Therefore, a technology based limit of 2.0 mg/l has been applied.

pH

The effluent limitations for pH have been established in accordance with the Rhode Island Water Quality Regulations Table 1.8.D.(2) Class Specific Criteria – Class B Fresh Waters. Table

1.8.D.(2) Class Specific Criteria – Class B Fresh Waters specifies that the pH must be in the range of 6.5-9.0 s.u. or as naturally occurs.

Residuals Management Requirements

Water treatment plant residuals form when suspended solids in the raw water react with chemicals such as coagulants added in the treatment processes and from the addition of other process control chemicals such as lime and polymer. Some potable water treatment processes generate residuals that are relatively easy to process and dispose of. For example, leaves, limbs, logs, plastic bottles, and other large floating debris separated from water during the initial screening process can be disposed of at conventional solid waste landfills. However, most other treatment processes produce more complex residual waste streams that may require advanced processing and disposal methods to protect human health and the environment.

The primary residuals produced at the Woonsocket WTP are sludges (i.e., water that contains suspended solids from the source water and the reaction products of chemicals added in the treatment process). The Woonsocket WTP utilizes *aluminum sulfate* (for solids removal), *hydrated lime* (for pH adjustment as needed), *chlorine* (for disinfection as needed), and a *non-ionic polymer* (for additional solids removal) for the pretreatment process prior to beginning the flocculation, clarification, and filtration phase. For a typical coagulation filtration system the typical disposal options for these residuals consist of the following: landfilling, directly discharging to the sanitary sewer under authorization of the local industrial pretreatment program, or by shipping the residuals to a facility which possesses an effective Solid Waste Beneficial Use Determination (BUD) issued by the DEM Office of Waste Management. The Woonsocket WTP directs the majority of its residuals to the Woonsocket WWTF. These residuals are piped directly from the bottom of each of the flocculation, coagulation, filtration units to the Woonsocket WWTF under the authorization of the Woonsocket WWTF Industrial Pretreatment Program. Any remaining residuals produced by the treatment process are filtered in one of the three flocculation, coagulation, filtration units operated at the WTP and are discharged periodically as part of the routine filter backwashing process described previously. This permit requires that a Residuals Management Plan be maintained and implemented at the water treatment facility in order to ensure that this waste stream is properly managed. The specific Residuals Management Plan requirements can be found in the permit.

Water Treatment Chemicals

TRC, Total Aluminum, and pH limits have been assigned in the permit to regulate the concentrations of aluminum sulfate, calcium hydroxide hydrated lime (slaked lime), and liquid chlorine discharged to the Blackstone River in the filter backwash waste streams. The environmental impact of the non-ionic polymer has been evaluated based on the concentration in use in the process water prior to filter backwash operations and the toxicity information presented in the Material Safety Data Sheets (MSDS). The concentration of non-ionic polymer, identified as *Magnafloc E30* (polyacrylamide), intended for use as a coagulation and flocculation additive, listed in the permit reapplication dated February 9, 2012 is in the range of 0.1 mg/l to 0.35 mg/l. The MSDS identified the following LC50 concentrations for 96 hour toxicity tests: Bluegill LC50 > 100 mg/l, and Trout LC50 > 100 mg/l. Not considering dilution at the receiving water and the potential for a reduction in concentration of the non-ionic polymer from the pretreatment step to the final filter backwashing step, the DEM is confident that the concentrations of non-ionic polymer discharged from the WTP will have minimal adverse impact on the Blackstone River.

Stormwater

This permit does not authorize the discharge of stormwater from the facility. The Woonsocket WTP falls under Standard Industrial Classification (SIC) 4941 – Water Supply, which applies to establishments primarily engaged in distributing water for sale for domestic, commercial, and

industrial use. Based on the RIPDES Program's review it has been determined that facilities that fall under SIC code 4941 are not required to obtain coverage under the NPDES Storm Water Multi-Sector General Permit and therefore the facility is not required to apply.

Antibacksliding/Antidegradation

The Antibacksliding Provision of the Clean Water Act (found at Section 402(o) and repeated at 40 CFR 122.44(l)) prohibits reissuing a permit containing less stringent effluent limits than the comparable limits from the previous permit. Since none of the permit limits, both concentration and mass loadings, are less stringent than in the previous permit, antibacksliding regulations are being met. The draft permit is being reissued with limitations as stringent or more stringent than those in the existing permit with no change to the outfall location.

Selection of Final Permit Limits

The effluent monitoring requirements have been specified in accordance with RIPDES regulations as well as 40 CFR 122.41(j), 122.44(l), and 122.48 to yield data representative of the discharge. The Office has determined that all permit limitations are consistent with the Rhode Island Antidegradation Policy.

The remaining general and specific conditions of the permit are based on the RIPDES regulations as well as 40 CFR Parts 122 through 125 and consisting primarily of management requirements common to all permits.

IV. Comment Period, Hearing Requests, and Procedures for Final Decisions

All persons, including applicants, who believe any condition of the draft permit is inappropriate must raise all issues and submit all available arguments and all supporting material for their arguments in full by the close of the public comment period, to the Rhode Island Department of Environmental Management, Office of Water Resources, 235 Promenade Street, Providence, Rhode Island, 02908-5767. Any person, prior to such date, may submit a request in writing for a public hearing to consider the draft permit to the Rhode Island Department of Environmental Management. Such requests shall state the nature of the issues proposed to be raised in the hearing. A public hearing may be held after at least thirty (30) days public notice whenever the Director finds that response to this notice indicates significant public interest. In reaching a final decision on the draft permit the Director will respond to all significant comments and make these responses available to the public at DEM's Providence Office.

Following the close of the comment period, and after a public hearing, if such hearing is held, the Director will issue a final permit decision and forward a copy of the final decision to the applicant and each person who has submitted written comments or requested notice. Within thirty (30) days following the notice of the final permit decision any interested person may submit a request for a formal hearing to reconsider or contest the final decision. Requests for formal hearings must satisfy the requirements of Rule 49 of the Regulations for the Rhode Island Pollutant Discharge Elimination System.

IV. **DEM Contact**

Additional information concerning the permit may be obtained between the hours of 8:30 a.m. and 4:00 p.m., Monday through Friday, excluding holidays from:

Joseph B. Haberek, PE
RIPDES Program
Department of Environmental Management
235 Promenade Street
Providence, Rhode Island 02908
Telephone: (401) 222-4700, ext. 7715
Email: joseph.haberek@dem.ri.gov

DRAFT

Date

Joseph B. Haberek, PE
Supervising Sanitary Engineer
RIPDES Permitting Section
Office of Water Resources
Department of Environmental Management

ATTACHMENT 1

DESCRIPTION OF DISCHARGE: Filter Backwash from Water Treatment Unit No. 1
DISCHARGE: 001A

AVERAGE EFFLUENT CHARACTERISTICS AT POINT OF DISCHARGE OF SELECTED POLLUTANTS:

PARAMETER	MONTHLY AVERAGE ¹	DAILY MAXIMUM ¹
Aluminum, Total (mg/l)	6.4	7.2
Chlorine, Total Residual (mg/l)	0.03	0.05
Copper, Total (ug/l) ²	0	0
Lead, Total (ug/l) ²	0	0
pH (s.u.)	6.04 (MIN)	7.77(MAX)
Total Suspended Solids (lb/day)	104	113
Total Suspended Solids (mg/l) ³	48.2	54.3
Turbidity (NTU)	18.21	21.42
Flow (mgd)	0.29	0.32

¹ All data represents the average of the monthly average data and the average of the daily maximum discharge monitoring report data submitted by the permittee for approximately the last five years (May 2007 thru September 2015).

² Total Copper and Total Lead data represents the average of the monthly average data and the average of the daily maximum discharge monitoring report data submitted by the permittee on a quarterly basis from June 2008 thru September 2015.

³ Total Suspended Solids data represents the average of the monthly average data and the average of the daily maximum discharge monitoring report data submitted by the permittee for July 2008 thru September 30, 2015.

DESCRIPTION OF DISCHARGE: Filter Backwash from Water Treatment Unit No.2
DISCHARGE: 002A

AVERAGE EFFLUENT CHARACTERISTICS AT POINT OF DISCHARGE OF SELECTED POLLUTANTS:

PARAMETER	MONTHLY AVERAGE ¹	DAILY MAXIMUM ¹
Aluminum, Total (mg/l)	5.4	6.1
Chlorine, Total Residual (mg/l)	0.04	0.05
Copper, Total (ug/l) ²	0.83	0.83
Lead, Total (ug/l) ²	0	0
pH (s.u.)	6.12 (MIN)	7.73 (MAX)

Total Suspended Solids (lb/day)	83	92
Total Suspended Solids (mg/l) ³	40	45
Turbidity (NTU)	15.5	17.8
Flow (mgd)	0.29	0.31

¹ All data represents the average of the monthly average data and the average of the daily maximum discharge monitoring report data submitted by the permittee for approximately the last five years (May 2007 thru September 2015).

² Total Copper and Total Lead data represents the average of the monthly average data and the average of the daily maximum discharge monitoring report data submitted by the permittee on a quarterly basis from June 2008 thru September 2015.

³ Total Suspended Solids concentration data represents the average of the monthly average data and the average of the daily maximum discharge monitoring report data submitted by the permittee for July 2008 thru September 30, 2015.

DESCRIPTION OF DISCHARGE: Filter Backwash from Water Treatment Unit No. 3
DISCHARGE: 003A

AVERAGE EFFLUENT CHARACTERISTICS AT POINT OF DISCHARGE OF SELECTED POLLUTANTS:

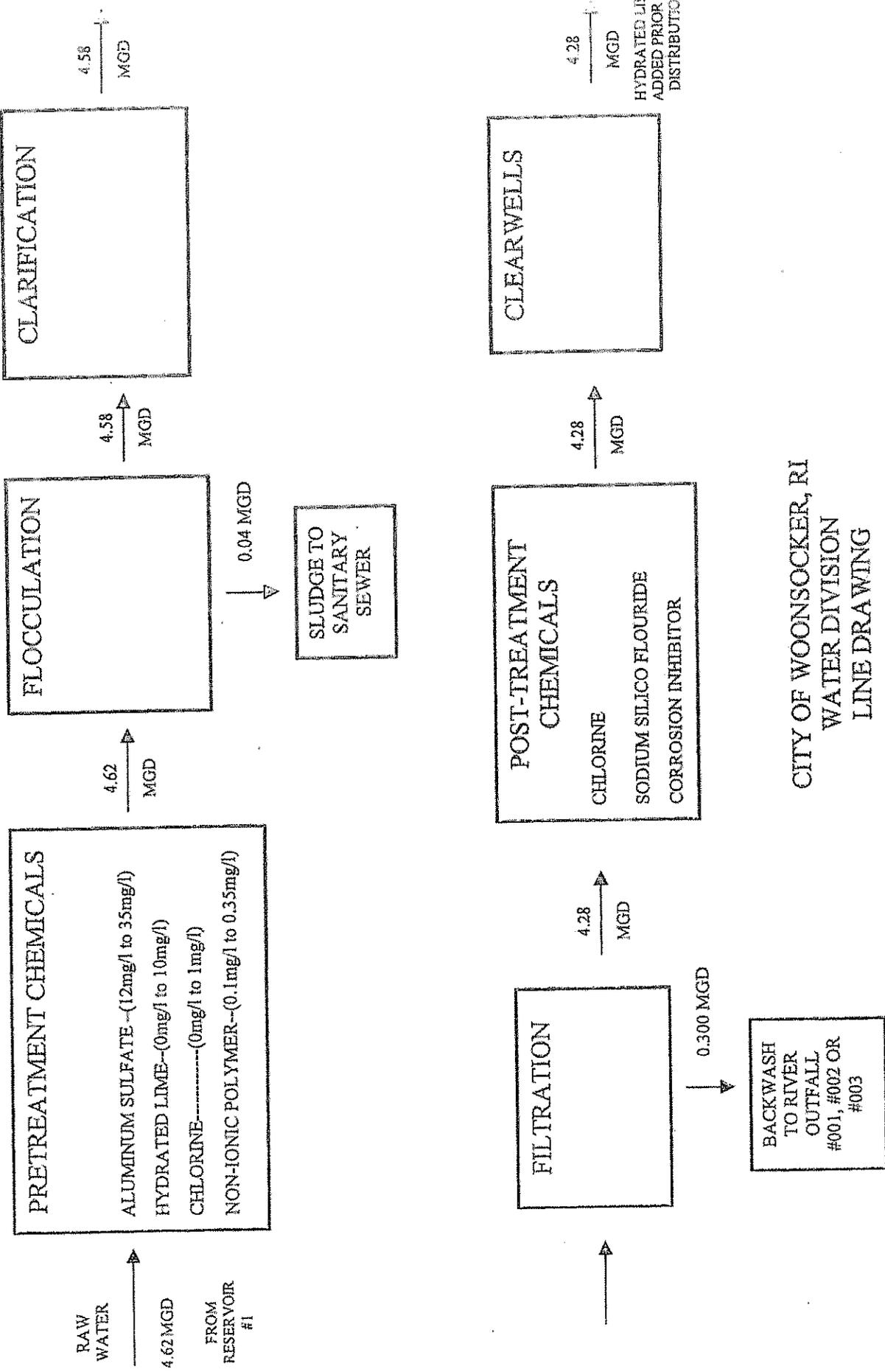
PARAMETER	MONTHLY AVERAGE¹	DAILY MAXIMUM¹
Aluminum, Total (mg/l)	5.0	5.6
Chlorine, Total Residual (mg/l)	0.03	0.04
Copper, Total (ug/l) ²	1.03	1.03
Lead, Total (ug/l) ²	0	0
pH (s.u.)	6.11	7.73
Total Suspended Solids (lb/day)	79	85
Total Suspended Solids (mg/l) ³	37	41
Turbidity (NTU)	13.9	16.0
Flow (mgd)	0.29	0.31

¹ All data represents the average of the monthly average data and the average of the daily maximum discharge monitoring report data submitted by the permittee for approximately the last five years (May 2007 thru September 2015).

² Total Copper and Total Lead data represents the average of the monthly average data and the average of the daily maximum discharge monitoring report data submitted by the permittee on a quarterly basis from June 2008 thru September 2015.

³ Total Suspended Solids data represents the average of the monthly average data and the average of the daily maximum discharge monitoring report data submitted by the permittee for July 2008 thru September 30, 2015.

ATTACHMENT 2



CITY OF WOONSOCKER, RI
 WATER DIVISION
 LINE DRAWING

ATTACHMENT B

Permit No. RI0001627

PART I

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

- During the period beginning on the effective date of Consent Agreement RIA-382 and lasting until the completion of Paragraph 10(b) the permittee is authorized to discharge from outfall serial numbers 001A, 002A, and 003A. The interim TSS limits and monitoring requirements applicable to each outfall are specified below:

<u>Effluent Characteristic</u>	<u>Quantity - lbs./day</u>	<u>Discharge Limitations</u>	<u>Concentration - specify units</u>	<u>Monitoring Requirement</u>
	<u>Average Monthly</u>	<u>Maximum Daily</u>	<u>Average Monthly</u> *(Minimum)	<u>Measurement Frequency</u>
			<u>Maximum Daily</u> *(Maximum)	<u>Sample Type</u>
Total Suspended Solids	210 lb/day	307 lb/day	--- mg/l	2/Month
			--- mg/l	Composite ¹

¹ All composite sampling must consist of a minimum of four (4) grabs spaced equally apart during a typical filter backwash discharge.

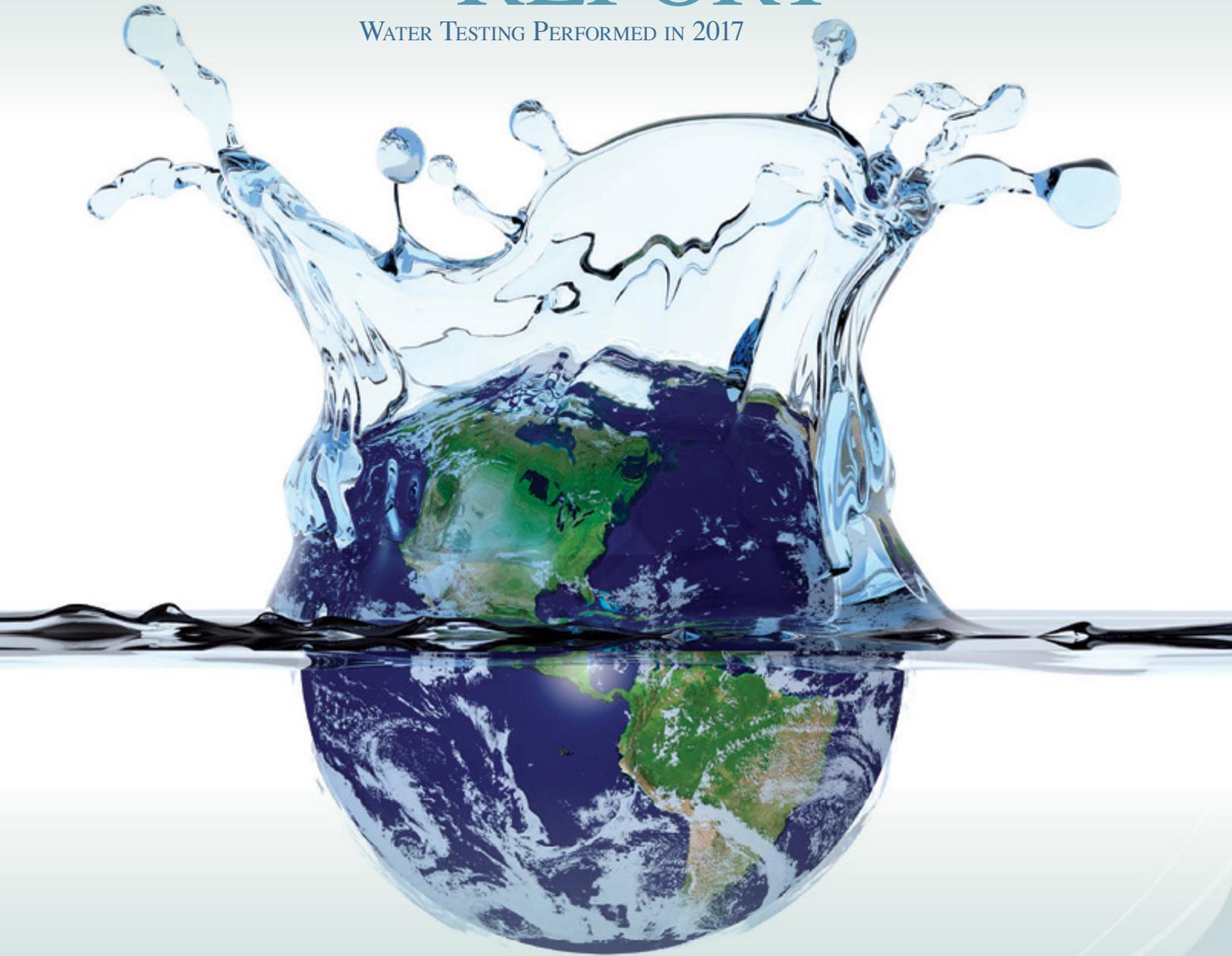
--- signifies a parameter which must be monitored and data must be reported; final limits are not in effect at this time.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following locations: Outfall 001A, 002A, and 003A (Filter Backwash from Treatment Unit #1, #2, and #3 respectively).

EXHIBIT 1-8

ANNUAL WATER QUALITY REPORT

WATER TESTING PERFORMED IN 2017



Presented By

**Woonsocket
Water Division**



Quality First

Once again we are pleased to present our annual water quality report. As in years past, we are committed to delivering the best-quality drinking water possible. To that end, we remain vigilant in meeting the challenges of new regulations, source water protection, water conservation, and community outreach and education, while continuing to serve the needs of all of our water users. Thank you for allowing us the opportunity to serve you and your family.

We encourage you to share your thoughts with us on the information contained in this report. After all, well-informed customers are our best allies.

Water treatment is a complex, time-consuming process.

Source Water Assessment

The RI Department of Health, in cooperation with other state and federal agencies, has assessed the threats to Woonsocket's water supply sources. The assessment considered the intensity of development; the presence of businesses and facilities that use, store, or generate potential contaminants; the ease with which contaminants can move through the soils in the Source Water Protection Area (SWPA); and the sampling history of the water.

Our monitoring program continues to ensure that the water delivered to your home is safe and wholesome.

However, the assessment found that the water source is at moderate risk of contamination. This means that the water could one day become contaminated. Protection efforts are necessary to ensure continued water quality. The complete Source Water Assessment Report is available from Woonsocket Water Division at (401) 767-1411, or from HEALTH at (401) 222-6867.

Community Water Fluoridation

The safety and benefits of fluoride are well documented. For over 70 years, U.S. citizens have benefited from drinking water containing fluoride, leading to better dental health. Drinking fluoridated water keeps the teeth strong and has reduced tooth decay by approximately 25% in children and adults.

Over the past several decades, there have been major improvements in oral health. Still, tooth decay remains one of the most common chronic diseases of childhood. Community water fluoridation has been identified as the most cost-effective method of delivering fluoride to all members of the community, regardless of age, educational attainment, or income level.

Nearly all water contains some fluoride, but usually not enough to help prevent tooth decay or cavities. Public water systems can add the right amount of fluoride to the local drinking water to prevent tooth decay.

Community water fluoridation is recommended by nearly all public health, medical, and dental organizations in the U.S. Because of its contribution to the dramatic decline in tooth decay, the Centers for Disease Control and Prevention (CDC) named community water fluoridation one of the greatest public health achievements of the 20th century. (Courtesy of CDC: cdc.gov/fluoridation)

Information on the Internet

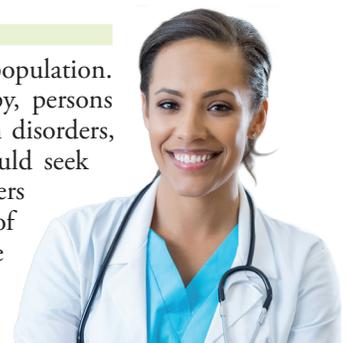
The U.S. EPA (<https://goo.gl/TFAMKc>) and the Centers for Disease Control and Prevention (www.cdc.gov) Web sites provide a substantial amount of information on many issues relating to water resources, water conservation and public health. Also, the Rhode Island Department of Health has a Web site (<https://goo.gl/kKReYd>) that provides complete and current information on water issues in Rhode Island, including valuable information about our watershed.

Where Does My Water Come From?

Woonsocket Water Division uses surface water from the Crookfall Brook and Harris Pond watersheds. The Crookfall Brook watershed extends over approximately 7.93 square miles. It is a protected, high quality, and primary source of supply for the Woonsocket Treatment Plant. Harris Pond has a watershed area of approximately 33.3 square miles. This source is used as a supplemental source as needed. Woonsocket Water maintains an active watershed protection program and closely monitors the watershed lands to protect water quality.

Important Health Information

Some people may be more vulnerable to contaminants in drinking water than the general population. Immunocompromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants may be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. The U.S. EPA/CDC (Centers for Disease Control and Prevention) guidelines on appropriate means to lessen the risk of infection by *Cryptosporidium* and other microbial contaminants are available from the Safe Drinking Water Hotline at (800) 426-4791 or <http://water.epa.gov/drink/hotline>.



Public Meetings

For public comment on an ongoing basis, customers can contact the office of Mayor Lisa Baldelli-Hunt or attend the Woonsocket City Council Meetings. The Council holds hearings on budget and other financial matters, approves contracts, and considers ordinances that create or amend local laws. Some of these matters affect the operation of the Woonsocket Water Division. The council meets on the first and third Mondays of every month at 7:00 p.m. in Harris Hall in City Hall, 169 Main Street, Woonsocket, RI. The meetings are also televised live on Cox Cable Channel 17 and Verizon FIOS Channel 22. Public comment is welcome.

Lead in Home Plumbing

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. We are responsible for providing high-quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at www.epa.gov/lead.

About our Violations

The Woonsocket Water Division failed to collect the required Sodium sample, which is one sample per two weeks between the dates of 2/1/2017 to 2/28/2017. The number of samples taken was two samples within the same week. Procedures have been reviewed so this violation will not be repeated. The correct sampling procedure was preformed 3/1/2017 to 3/31/2017 of one sample per two weeks.

The Woonsocket Water Division failed to report the annual certification for Acrylamide & Epichlorohydrin for the compliance period 1/1/2017 to 12/31/2017 by the year's end. The certification was submitted as required on the notice of violation before 1/31/2018. Internal procedures have been reviewed to mitigate this violation occurring in the future.

Substances That Could Be in Water

To ensure that tap water is safe to drink, the U.S. EPA prescribes regulations limiting the amount of certain contaminants in water provided by public water systems. U.S. Food and Drug Administration regulations establish limits for contaminants in bottled water, which must provide the same protection for public health. Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of these contaminants does not necessarily indicate that the water poses a health risk.

The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally occurring minerals, in some cases, radioactive material, and substances resulting from the presence of animals or from human activity. Substances that may be present in source water include:

Microbial Contaminants, such as viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural livestock operations, or wildlife;

Inorganic Contaminants, such as salts and metals, which can be naturally occurring or may result from urban stormwater runoff, industrial or domestic wastewater discharges, oil and gas production, mining, or farming;

Pesticides and Herbicides, which may come from a variety of sources such as agriculture, urban stormwater runoff, and residential uses;

Organic Chemical Contaminants, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production and may also come from gas stations, urban stormwater runoff, and septic systems;

Radioactive Contaminants, which can be naturally occurring or may be the result of oil and gas production and mining activities.

For more information about contaminants and potential health effects, call the U.S. EPA's Safe Drinking Water Hotline at (800) 426-4791.

How Is My Water Treated and Purified?

The treatment process consists of a series of steps. First, raw water is drawn from our water source into the treatment plant. Chemicals are added to initiate the next process, called flocculation. The addition of these substances causes small particles to adhere to one another (called floc), making them heavy enough to settle to the bottom, from which sediment is removed. This process is called clarification, or sedimentation. The clear supernatant is then filtered through a deep-bed carbon filter that removes the smaller suspended particles. After filtration, the water undergoes disinfection, fluoride addition (to prevent tooth decay), corrosion inhibitor addition, and pH adjustment before it is pumped out into the distribution system.





BY THE NUMBERS

The number of gallons of water produced daily by public water systems in the U.S.

34
BILLION

1
MILLION

The number of miles of drinking water distribution mains in the U.S.

The amount of money spent annually on maintaining the public water infrastructure in the U.S.

135
BILLION

300
MILLION

The number of Americans who receive water from a public water system.

The age in years of the world's oldest water found in a mine at a depth of nearly two miles.

2
BILLION

151
THOUSAND

The number of active public water systems in the U.S.

The number of highly trained and licensed water professionals serving in the U.S.

199
THOUSAND

93 The number of federally regulated contaminants tested for in drinking water.

QUESTIONS?

For more information about this report, or for any questions relating to your drinking water, please call Marc Viggiani, Water Superintendent, at (401) 767-1411, or visit our website at www.woonsocketri.org.

Test Results

Our water is monitored for many different kinds of substances on a very strict sampling schedule. The information in the data tables shows only those substances that were detected between January 1 and December 31, 2017. Remember that detecting a substance does not necessarily mean the water is unsafe to drink; our goal is to keep all detects below their respective maximum allowed levels. The State recommends monitoring for certain substances less than once per year because the concentrations of these substances do not change frequently. In these cases, the most recent sample data are included, along with the year in which the sample was taken.

We participated in the 3rd stage of the EPA's Unregulated Contaminant Monitoring Rule (UCMR3) program by performing additional tests on our drinking water. UCMR3 benefits the environment and public health by providing the EPA with data on the occurrence of contaminants suspected to be in drinking water, in order to determine if EPA needs to introduce new regulatory standards to improve drinking water quality. As our customers, you have a right to know that these data are available, including detected and nondetected test results. If you are interested in examining the results or want more information on UCMR3, please contact Marc Viggiani at (401) 767-1411, or by mail to PO Box B, Woonsocket, RI 02895.

REGULATED SUBSTANCES							
SUBSTANCE (UNIT OF MEASURE)	YEAR SAMPLED	MCL [MRDL]	MCLG [MRDLG]	AMOUNT DETECTED	RANGE LOW-HIGH	VIOLATION	TYPICAL SOURCE
Barium (ppm)	2017	2	2	0.055	0.015–0.055	No	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits
Chlorine (ppm)	2017	[4]	[4]	0.38	ND–1.14	No	Water additive used to control microbes
Chromium (ppb)	2016	100	100	1.0	NA	No	Discharge from steel and pulp mills; Erosion of natural deposits
Di(2-ethylhexyl) Phthalate (ppb)	2017	6	0	1.0	ND–1.0	No	Discharge from rubber and chemical factories
Fluoride (ppm)	2017	4	4	0.94	0.03–0.94	No	Erosion of natural deposits; Water additive, which promotes strong teeth; Discharge from fertilizer and aluminum factories
Haloacetic Acids [HAA] (ppb)	2017	60	NA	19.8	5.9–34.9	No	By-product of drinking water disinfection
Nitrate (ppm)	2017	10	10	0.61	0.23–0.61	No	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits
Nitrite (ppm)	2013	1	1	0.02	ND–0.02	No	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits
TTHMs [Total Trihalomethanes] (ppb)	2017	80	NA	57.0	35.2–71.8	No	By-product of drinking water disinfection
Total Organic Carbon (ppm)	2017	TT	NA	1.7	1.0–2.0	No	Naturally present in the environment
Turbidity ¹ (NTU)	2017	TT	NA	0.520	0.048–0.520	No	Soil runoff
Turbidity (lowest monthly percent of samples meeting limit)	2017	TT = 95% of samples meet the limit	NA	99.18	NA	No	Soil runoff

Tap Water Samples Collected for Lead and Copper Analyses from Sample Sites throughout the Community							
SUBSTANCE (UNIT OF MEASURE)	YEAR SAMPLED	AL	MCLG	AMOUNT DETECTED (90TH%TILE)	SITES ABOVE AL/TOTAL SITES	VIOLATION	TYPICAL SOURCE
Copper (ppm)	2017	1.3	1.3	0.032	0/32	No	Corrosion of household plumbing systems; Erosion of natural deposits
Lead (ppb)	2017	15	0	2	0/32	No	Corrosion of household plumbing systems; Erosion of natural deposits

SECONDARY SUBSTANCES

SUBSTANCE (UNIT OF MEASURE)	YEAR SAMPLED	SMCL	MCLG	AMOUNT DETECTED	RANGE LOW-HIGH	VIOLATION	TYPICAL SOURCE
Aluminum (ppb)	2017	200	NA	216	0–814	No	Erosion of natural deposits; Residual from some surface water treatment processes
Fluoride ² (ppm)	2014	2.0	NA	0.32	NA	No	Erosion of natural deposits; Water additive, which promotes strong teeth; Discharge from fertilizer and aluminum factories

UNREGULATED SUBSTANCES

SUBSTANCE (UNIT OF MEASURE)	YEAR SAMPLED	AMOUNT DETECTED	RANGE LOW-HIGH	TYPICAL SOURCE
Sodium (ppm)	2017	99.6	66.0–146.0	Naturally found in plants and soil, and sodium compounds used for deicing roads

UNREGULATED CONTAMINANT MONITORING RULE - PART 3 (UCMR3)³

SUBSTANCE (UNIT OF MEASURE)	YEAR SAMPLED	AMOUNT DETECTED	RANGE LOW-HIGH	TYPICAL SOURCE
Chlorate (ppb)	2013	17.61	ND–83.74	Disinfecting by-product; Ions formed during the slow decomposition of sodium hypochlorite solution
Hexavalent Chromium (ppb)	2013	0.025	ND–0.06	Erosion of natural deposits; Produced by industrial processes
Strontium (ppb)	2014	59.75	58.848–60.642	Occurs naturally in the environment
Vanadium (ppb)	2014	0.701	0.586–0.816	Metal used as an alloying addition to iron and steel

¹ Turbidity is a measure of the cloudiness of the water. It is monitored because it is a good indicator of the effectiveness of the filtration system.

² Raw, untreated surface water sample.

³ Contains additional RIDOH testing of unregulated contaminants.

Definitions

AL (Action Level): The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

LRAA (Locational Running Annual Average): The average of sample analytical results for samples taken at a particular monitoring location during the previous four calendar quarters. Amount Detected values for TTHMs and HAAs are reported as the highest LRAAs.

MCL (Maximum Contaminant Level): The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.

MCLG (Maximum Contaminant Level Goal): The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.

MRDL (Maximum Residual Disinfectant Level): The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.

MRDLG (Maximum Residual Disinfectant Level Goal): The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.

NA: Not applicable.

ND (Not detected): Indicates that the substance was not found by laboratory analysis.

NTU (Nephelometric Turbidity Units): Measurement of the clarity, or turbidity, of water. Turbidity in excess of 5 NTU is just noticeable to the average person.

ppb (parts per billion): One part substance per billion parts water (or micrograms per liter).

ppm (parts per million): One part substance per million parts water (or milligrams per liter).

SMCL (Secondary Maximum Contaminant Level): SMCLs are established to regulate the aesthetics of drinking water like appearance, taste and odor.

TT (Treatment Technique): A required process intended to reduce the level of a contaminant in drinking water.

EXHIBIT 1-12

ANALYSIS OF LIGHT & POWER EXPENSE
WOONSOCKET WATER DIVISION

Light & Power

National Grid
Direct Energy Business
Total

Adjusted Test Year	adjustment	Rate Year
\$ 155,750	\$ 7,383	\$ 163,133
218,780	-	218,780
\$ 374,530	\$ 7,383	\$ 381,912

+4.74%
+0.00%

FY 2017 ACTUAL EXPENSES
\$ 157,038
\$ 220,588
<u>\$ 377,626</u>

ADJUSTED TEST YEAR
\$ 155,750
\$ 218,780
<u>\$ 374,530</u>

National Grid
Direct Energy Business

-0.82%
-0.82%

Consumption

Wholesale (FY 2017 -99 MG / Test Year - 92MG)
Retail

132,629	HCF
1,460,712	HCF
<u>1,593,341</u>	

123,251
1,457,027
<u>1,580,278</u>

-0.82%

Change in
Consumption

EXHIBIT 1-13

FY 2019 Budget

Fund	Dept	Account	Position	Annual Salary	Longevity	City Portion Pension	TIAA Cref	Cloth Allow	Cloth Maint	Dental Premium	Medical Premium	Medical Coshare	Medical Buybk	Dental Buybk	Life Ins	FICA	FICA Med	Cost to carry
15	WTR	51110	WTR DIV&OUTSIDE CREW SUPERINTENDENT	\$ 84,842	\$ 5,090	\$ 9,686	\$ 899	\$ 225	\$ -	\$ 1,455	\$ 18,723	\$ (3,745)	\$ -	\$ -	\$ 614	\$ 5,576	\$ 1,304	\$ 124,670
15	WTR	51110	CHEMIST/BACTERIOLOGIST	\$ 32,123	\$ 3,855	\$ 3,667	\$ 341	\$ 225	\$ -	\$ 714	\$ 9,962	\$ (1,872)	\$ -	\$ -	\$ 307	\$ 2,111	\$ 494	\$ 51,326
15	WTR	51110	WTR TRANS/DIST SUPERINTENDENT	\$ 64,246	\$ 4,176	\$ 7,369	\$ 684	\$ 225	\$ -	\$ 1,428	\$ 18,723	\$ (3,745)	\$ -	\$ -	\$ 614	\$ 4,242	\$ 992	\$ 98,955
15	WTR	51110	MANAGERIAL ACCOUNTANT	\$ 55,389	\$ 3,323	\$ 6,323	\$ 587	\$ 225	\$ -	\$ 1,428	\$ 18,723	\$ (3,745)	\$ -	\$ -	\$ 614	\$ 3,640	\$ 851	\$ 87,359
15	WTR	51110	WATER PLT. MAINTENANCE MECHANIC	\$ 25,591	\$ 1,535	\$ 2,839	\$ 264	\$ 150	\$ -	\$ 704	\$ 9,362	\$ (1,872)	\$ -	\$ -	\$ 164	\$ 1,634	\$ 382	\$ 40,752
15	WTR	51110	WATER SUPPLY INSPECTOR	\$ 36,342	\$ -	\$ 3,914	\$ 363	\$ 150	\$ -	\$ 451	\$ 7,517	\$ (1,503)	\$ -	\$ -	\$ 327	\$ 2,253	\$ 527	\$ 50,341
15	WTR	51110	WATER DIVISION ENGINEERING TECH	\$ 50,781	\$ 2,793	\$ 5,770	\$ 536	\$ 225	\$ -	\$ 1,428	\$ 18,723	\$ (3,745)	\$ -	\$ -	\$ 614	\$ 3,322	\$ 777	\$ 81,224
15	WTR	51110	WATER DEPT ENGINEERING AIDE	\$ 45,009	\$ 2,701	\$ 5,138	\$ 477	\$ 225	\$ -	\$ -	\$ -	\$ -	\$ 2,787	\$ 213	\$ 614	\$ 2,958	\$ 692	\$ 60,813
15	WTR	51110	SENIOR WATER FORMAN	\$ 50,416	\$ 2,773	\$ 5,728	\$ 532	\$ 150	\$ -	\$ 1,408	\$ 18,723	\$ (3,745)	\$ -	\$ -	\$ 327	\$ 3,268	\$ 771	\$ 80,383
15	WTR	51110	WATER LABOR FORMAN	\$ 43,416	\$ 1,302	\$ 4,816	\$ 447	\$ 150	\$ -	\$ 1,408	\$ 18,723	\$ (3,745)	\$ -	\$ -	\$ 327	\$ 2,773	\$ 648	\$ 70,267
15	WTR	51110	WATER HEAVY EQUIPMENT OPERATOR	\$ 36,196	\$ -	\$ 3,898	\$ 362	\$ 150	\$ -	\$ 1,408	\$ 18,723	\$ (3,745)	\$ -	\$ -	\$ 327	\$ 2,244	\$ 525	\$ 60,089
15	WTR	51110	WATER DEPT. EQUIPMENT OPERATOR	\$ 43,080	\$ 2,369	\$ 4,895	\$ 454	\$ 150	\$ -	\$ 1,408	\$ 18,723	\$ (3,745)	\$ -	\$ -	\$ 327	\$ 2,818	\$ 659	\$ 71,140
15	WTR	51110	WATER TREATMENT PLANT OPERATOR1	\$ 21,590	\$ 2,807	\$ 2,476	\$ 230	\$ 150	\$ -	\$ -	\$ -	\$ -	\$ 2,790	\$ 210	\$ 327	\$ 2,851	\$ 667	\$ 34,098
15	WTR	51110	WATER TREATMENT PLANT OPERATOR2	\$ 21,590	\$ 2,375	\$ 2,453	\$ 228	\$ 150	\$ -	\$ 704	\$ 9,362	\$ (1,872)	\$ -	\$ -	\$ 164	\$ 1,412	\$ 330	\$ 36,895
15	WTR	51110	WATER TREATMENT PLANT OPERATOR3	\$ 21,590	\$ 2,159	\$ 2,442	\$ 227	\$ 150	\$ -	\$ 704	\$ 9,362	\$ (1,872)	\$ -	\$ -	\$ 164	\$ 1,406	\$ 329	\$ 36,659
15	WTR	51110	WATER TREATMENT PLANT OPERATOR4	\$ 21,590	\$ 1,943	\$ 2,430	\$ 226	\$ 150	\$ -	\$ 704	\$ 9,362	\$ (1,872)	\$ -	\$ -	\$ 164	\$ 1,399	\$ 327	\$ 36,422
15	WTR	51110	WATER TREATMENT PLANT OPERATOR5	\$ 21,590	\$ 2,607	\$ 2,476	\$ 230	\$ 150	\$ -	\$ 225	\$ 9,362	\$ (1,872)	\$ -	\$ -	\$ 164	\$ 1,426	\$ 333	\$ 36,890
15	WTR	51110	WATER TREATMENT PLANT OPERATOR6	\$ 19,960	\$ -	\$ 2,150	\$ 200	\$ 150	\$ -	\$ 225	\$ 3,758	\$ (752)	\$ -	\$ -	\$ 164	\$ 1,237	\$ 289	\$ 27,381
15	WTR	51110	WATER TREATMENT PLANT OPERATOR7	\$ 19,785	\$ -	\$ 2,131	\$ 198	\$ 150	\$ -	\$ 704	\$ 9,362	\$ (1,872)	\$ -	\$ -	\$ 164	\$ 1,227	\$ 287	\$ 32,134
15	WTR	51110	WATER TREATMENT PLANT OPERATOR8	\$ 19,785	\$ -	\$ 2,131	\$ 198	\$ 150	\$ -	\$ 704	\$ 9,362	\$ (1,872)	\$ -	\$ -	\$ 164	\$ 1,227	\$ 287	\$ 32,134
15	WTR	51110	WATER HEAVY EQUIPMENT OPERATOR	\$ 39,494	\$ 1,975	\$ 4,466	\$ 415	\$ 150	\$ -	\$ -	\$ -	\$ -	\$ 2,790	\$ 210	\$ 327	\$ 2,571	\$ 601	\$ 53,000
15	WTR	51110	WATER UTILITY PERSON1	\$ 37,451	\$ 2,060	\$ 4,255	\$ 395	\$ 150	\$ -	\$ -	\$ -	\$ -	\$ 2,790	\$ 210	\$ 327	\$ 2,450	\$ 573	\$ 50,661
15	WTR	51110	WATER UTILITY PERSON2	\$ 34,326	\$ -	\$ 3,697	\$ 343	\$ 150	\$ -	\$ 1,408	\$ 18,723	\$ (3,745)	\$ -	\$ -	\$ 327	\$ 2,128	\$ 498	\$ 57,856
15	WTR	51110	WATER UTILITY PERSON3	\$ 34,326	\$ -	\$ 3,697	\$ 343	\$ 150	\$ -	\$ 1,408	\$ 18,723	\$ (3,745)	\$ -	\$ -	\$ 327	\$ 2,128	\$ 498	\$ 57,856
15	WTR	51110	WATER UTILITY PERSON4	\$ 34,326	\$ -	\$ 3,697	\$ 343	\$ 150	\$ -	\$ 1,408	\$ 18,723	\$ (3,745)	\$ -	\$ -	\$ 327	\$ 2,128	\$ 498	\$ 57,856
15	WTR	51110	WATER METER FOREMAN	\$ 36,771	\$ 1,103	\$ 4,079	\$ 379	\$ 150	\$ -	\$ 1,408	\$ 18,723	\$ (3,745)	\$ -	\$ -	\$ 327	\$ 2,348	\$ 549	\$ 62,094
15	WTR	51110	WATER METER READER & REPAIR SHOPMAN1	\$ 32,354	\$ -	\$ 3,485	\$ 324	\$ 150	\$ -	\$ 451	\$ 7,517	\$ (1,503)	\$ -	\$ -	\$ 327	\$ 2,006	\$ 469	\$ 45,679
15	WTR	51110	WATER METER READER & REPAIR SHOPMAN2	\$ 31,429	\$ -	\$ 3,385	\$ 314	\$ 150	\$ -	\$ 451	\$ 7,517	\$ (1,503)	\$ -	\$ -	\$ 327	\$ 1,949	\$ 456	\$ 44,474
15	WTR	51110	WATER METER READER & REPAIR SHOPMAN3	\$ 31,429	\$ -	\$ 3,385	\$ 314	\$ 150	\$ -	\$ 1,408	\$ 18,723	\$ (3,745)	\$ -	\$ -	\$ 327	\$ 1,949	\$ 456	\$ 54,397
15	WTR	51110	PRINCIPAL CLERK TYPIST WATER DIVISION	\$ 34,472	\$ 1,724	\$ 3,698	\$ 362	\$ 150	\$ -	\$ 1,408	\$ 18,723	\$ (3,745)	\$ -	\$ -	\$ 327	\$ 2,244	\$ 525	\$ 60,090
15	WTR	51110	WATER ACCOUNT CLERK	\$ 33,626	\$ -	\$ 3,621	\$ 336	\$ 150	\$ -	\$ 1,408	\$ 18,723	\$ (3,745)	\$ -	\$ -	\$ 327	\$ 2,085	\$ 488	\$ 57,020
15	WTR	51110	SENIOR WATER ACCOUNT CLERK	\$ 33,308	\$ 1,665	\$ 3,767	\$ 350	\$ 150	\$ -	\$ 1,408	\$ 18,723	\$ (3,745)	\$ -	\$ -	\$ 327	\$ 2,168	\$ 507	\$ 58,630
15	WTR	51110	WATER WORKS CLERK	\$ 31,741	\$ 2,063	\$ 3,641	\$ 338	\$ 150	\$ -	\$ 1,408	\$ 18,723	\$ (3,745)	\$ -	\$ -	\$ 327	\$ 2,096	\$ 490	\$ 57,233
15	WTR	51110	EXECUTIVE ASSISTANT PUBLIC WORKS	\$ 4,195	\$ 231	\$ 477	\$ 44	\$ 23	\$ -	\$ 146	\$ 1,872	\$ (37)	\$ -	\$ -	\$ 61	\$ 274	\$ 64	\$ 7,350
				\$ 1,184,159	\$ 52,829	\$ 132,282	\$ 12,282	\$ 5,423	\$ -	\$ 30,935	\$ 421,367	\$ (83,936)	\$ 11,158	\$ 842	\$ 10,967	\$ 77,577	\$ 18,143	\$ 1,874,029

EXHIBIT 1-14



CITY OF WOONSOCKET
WATER SYSTEM CHEMICALS #018
169 MAIN ST
WOONSOCKET RI 02895

Detailed Account Activity
September 1, 2018 through September 30, 2018

Customer Service Information

Consumer Accounts 1-800-325-2424
Business Accounts 1-800-482-2220
7 a.m. - 10 p.m. 7 days a week

Check your account transactions anytime, anywhere. Go to **WebsterOnline.com** and enroll today.

	Account	
MUNICIPAL CHECKING	Number	1918032301

Summary	Item	
Beginning Balance		\$33,323.62
Deposits/Credits	1	99,000.00
Withdrawals/Debits	5	-25,278.79
Ending Balance		\$107,044.83



CITY OF WOONSOCKET
 WATER SYSTEM CHEMICALS #018
 169 MAIN ST
 WOONSOCKET RI 02895

Detailed Account Activity
September 1, 2018 through September 30, 2018

MUNICIPAL CHECKING (cont.)	Account Number			1918032301
Daily Balance				
Date	Credits	Debits		
Beginning Balance as of 09/01/18				33,323.62
09/05	0.00	460.35		32,863.27
09/21	0.00	17,265.22		15,598.05
09/24	99,000.00	3,900.00		110,698.05
09/25	0.00	3,653.22		107,044.83
Ending Balance as of 09/30/18				107,044.83



CITY OF WOONSOCKET
 WATER SYSTEM CHEMICALS #018
 169 MAIN ST
 WOONSOCKET RI 02895

Detailed Account Activity
September 1, 2018 through September 30, 2018

MUNICIPAL CHECKING (cont.)	Account	1918032301
	Number	

Date	Description	Items	Amount
-------------	--------------------	--------------	---------------

Deposits/Credits

Electronic Credits

09/24	WEBLINK TRANSFER DEPOSIT		99,000.00
	TRANSFER FROM 1918031205 FY 19 EXPENDITURES TRANSFER OF FUND		
	ING REQ. TO WATER SYSTEM CHEMICALS.-RESTRICTED DOCKET 3800-P		
	ER M VIGGIANI		
	Total Electronic Credits	1	\$99,000.00

Total Deposits/Credits	1	\$99,000.00
-------------------------------	----------	--------------------

Withdrawals/Debits

Checks Paid

*Indicates gap in checks

Number	Date	Amount	Number	Date	Amount	Number	Date	Amount
10136	09/05	460.35	11106	09/21	7,265.22	11108	09/24	3,900.00
*11105	09/25	3,653.22	11107	09/21	10,000.00			

Total number of checks paid 5		\$25,278.79
--------------------------------------	--	--------------------

Total Withdrawals/Debits	5	\$25,278.79
---------------------------------	----------	--------------------

Important Information About Your Statement

ELECTRONIC FUND TRANSFERS

In Case of Errors or Questions About Your Electronic Transfers, Telephone us at 1-800-325-2424 or Write us at Webster Bank, N.A., Contact Center, P.O. Box 10305, WFD 730, Waterbury, CT 06726, as soon as you can, if you think your statement or receipt is wrong or if you need more information about a transfer on the statement or receipt. We must hear from you no later than sixty (60) days after we sent you the FIRST statement on which the error or problem appeared.

(1) Tell us your name and account number (if any).

(2) Describe the error or the transfer you are unsure about, and explain as clearly as you can why you believe it is an error or why you need more information.

(3) Tell us the dollar amount of the suspected error.

We will investigate your complaint and will correct any error promptly. If we take more than 10 business days to do this, we will credit your account for the amount you think is in error, so that you will have the use of the money during the time it takes us to complete our investigation.

Webster Bank, N.A.

Member FDIC

Rev. 06/09

EXHIBIT 1-17

IMPROVEMENT PHASE	STREET	LOCATION	EXISTING WATER MAIN				RECOMMENDED REHABILITATION			CUMULATIVE LENGTH (FEET)	CUMULATIVE COST
			YEAR INSTALLED	PIPE SIZE (INCHES)	PIPE MATERIAL	LENGTH (FEET)	METHOD	NEW PIPE SIZE (INCHES)	ESTIMATED COST		
Completed	Mount Saint Charles Avenue ⁽¹⁾	Manville Road to Rhode Island Avenue	1912	6	CI	1,300	Remove and replace	12	(Completed)	1,300	(Completed)
1	Logee Street ⁽²⁾	At interesection with Cottage / Knight Street	1910	8	CI	145	Remove and replace	12	\$4,800,000	1,445	\$4,800,000
1	Knight Street ⁽²⁾	Logee Street to Cottage Street	1910	8	CI	150	Remove and replace	12		1,595	
1	Cottage Street ⁽²⁾	Knight Street to Williams Street	1960	8	CI	920	Remove and replace	12		2,515	
1	Blakeley Street ⁽²⁾	Cottage Street to Grove Street	-	-	-	310	Install new main	12		2,825	
1	Blakeley Street ⁽²⁾	Grove Street to Park Avenue	1891	6	CI	320	Remove and replace	12		3,145	
1	Park Avenue ⁽²⁾	Blakeley Street to Smithfield Road, NS	1890	8	CI	3,500	Remove and replace	12		6,645	
1	Smithfield Road, North Smithfield ⁽²⁾	Park Avenue to White Parkway, NS	-	-	-	1,150	Install new main	12		7,795	
1	Smithfield Road, North Smithfield ⁽²⁾	White Parkway, NS to Providence Street	1928	8	CI	900	Remove and replace	12		8,695	
1	Providence Street ⁽²⁾	Smithfield Road, NS to Fabien Street	1921	8	CI	350	Remove and replace	12		9,045	
2	Main Street	High Street to Blackstone Street	1889	12	CI	1,000	Remove and replace	16	\$330,000	10,045	\$5,130,000
2	Blackstone Street	Main Street to Harris Avenue	1889	12	CI	2,600	Remove and replace	16	\$858,000	12,645	\$5,988,000
2	Harris Avenue	Intersection with Blackstone Street	1905	12	CI	100	Remove and replace	16	\$33,000	12,745	\$6,021,000
2	Blackstone Street	Harris Avenue to River Street	1893	12	CI	1,200	Remove and replace	16	\$396,000	13,945	\$6,417,000
2	Spring Street	Blackstone Street to Woodland Road	1899	8	CI	600	Remove and replace	16	\$198,000	14,545	\$6,615,000
2	Woodland Road	Spring Street to Winter Street	1896	6	CI	1,750	Remove and replace	16	\$577,500	16,295	\$7,192,500
2	Woodland Road	Winter Street to Gaskill Street	1925	8	CI	1,250	Remove and replace	16	\$412,500	17,545	\$7,605,000
2	Gaskill Street	Woodland Road to Edmund Street	1892	6	CI	400	Remove and replace	16	\$132,000	17,945	\$7,737,000
2	Gaskill Street	Edmund Street to Harris Avenue	1892	8	CI	800	Remove and replace	16	\$264,000	18,745	\$8,001,000
2	Singleton Street	Harris Avenue to River Street	1911	12	CI	2,100	Remove and replace	16	\$693,000	20,845	\$8,694,000
2	River Street	Singleton Street to Second Avenue	1922	12	CI	1,300	Remove and replace	16	\$429,000	22,145	\$9,123,000
2	Rhodes Avenue	Second Avenue to Rhodes Avenue PS	1948	12	CI	1,250	Remove and replace	16	\$412,500	23,395	\$9,535,500
2	Winter Street	Harris Avenue to North Main Street	1897	8	CI	3,100	Remove and replace	12	\$868,000	26,495	\$10,403,500
2	East School Street	Pond Street to Hazel Street	1895	8	CI	1,200	Remove and replace	12	\$336,000	27,695	\$10,739,500
2	Privilege Street	Winter Street to Rathbun Street	1907	6	CI	1,000	Remove and replace	12	\$280,000	28,695	\$11,019,500
2	Privilege Street	Winter Street to Rathbun Street	1891	8	CI	350	Remove and replace	12	\$98,000	29,045	\$11,117,500
3	South Main Street	Front Street to Great Road, NS	1890	12	CI	5,000	Remove and replace	16	\$1,650,000	34,045	\$12,767,500
3	Fairmount Street	River Street to Second Avenue	1907	8	CI	1,800	Remove and replace	16	\$594,000	35,845	\$13,361,500
3	Fairmount Street	Second Avenue to Fourth Avenue	1922	6	CI	550	Remove and replace	16	\$181,500	36,395	\$13,543,000
4	Fairmount Street	Fourth Avenue to End	1897	8	CI	1,800	Remove and replace	16	\$594,000	38,195	\$14,137,000
4	Asylum Street	Roberta Avenue to Bourdon Boulevard	-	-	-	500	Install new main	8	\$107,500	38,695	\$14,244,500

Notes:

1. The City constructed the Mount Saint Charles Avenue and Rhode Island Avenue water mains in 2017.
2. CDM Smith and the City have teamed on the design of the Park Avenue Area Water Main Improvements project and the City plans on bidding the project in the winter of 2018 with construction following in the spring of 2018.

Table 4-8
City of Woonsocket, Rhode Island
2017 Infrastructure Rehabilitation Plan
Recommended Piping Improvements for Fire Protection

