

WOONSOCKET REGIONAL WASTEWATER COMMISSION
11 CUMBERLAND HILL ROAD
WOONSOCKET, RHODE ISLAND 02895-4819

Tel. (401) 766-1255

FAX (401) 766-6912

February 12, 2016

Mr. David Turin
USEPA New England
5 Post Office Square
Boston, MA 02109-3912

Dear Mr. Turin,
Enclosed please find a copy of the "CMOM Program Implementation Annual Report for 2015" as required by the Administrative Order issued by the USEPA to the City of Woonsocket.

Also please find attached SSO report, budget items and personnel job specifications as referred to in the report.

Please feel free to contact me at 401-766-0555 ext 5122.

Sincerely yours

Adel Banoub

Adel Banoub
Acting Wastewater Superintendent

cc: Mayor Lisa Baldelli-Hunt
Michael Annarummo, City
Steven D'Agastino, PWD
Bill Patenaude, RIDEM
Reney Ann Mondoux City of Woonsocket
Paul Rodman, VWNA
John Oatley, VWNA



**City of Woonsocket
Sewer Collection System**

Annual Report

2015

As per EPA order No. 07-035, the City of Woonsocket is pleased to submit their Wastewater Collection System third annual report. During the calendar year 2015 the City of Woonsocket made progress in many areas at the collection system such as flushing and cleaning, CCTV, controlling fat & oil and grease, and spot repairs. In the past six years the City repaired 124 segments. 84 were structural repairs at a total of \$582,127.63 and 40 I/I repairs at a cost of \$184,045.70 at a total spending of \$766,173.33. during the last six year the I/I repairs resulted in removal of over 362,710 GPD from the system.

This report will follow the format as required by the EPA Order of 07-035:

A) Summary listing of all SSO:

During the calendar year 2015 the System has received a total of 53 complaints, and only three complaints was reportable SSO. Details of this SSO can be found in Attachment (A)

The table blow summarizes the details of all complaints and other activities by the Sewer Division.

MONTH	TOTAL COMPLAINTS	TOTAL SSO	TOTAL # OF CITY SEWER BLOCKAGES	TOTAL # OF HOMEOWNER BLOCKAGES	OTHER COMPLAINT ISSUES
January-15	8	0	0	3	5
February-15	7	1	1	3	5
March-15	7	0	0	7	0
April-15	3	0	0	1	1
May-15	3	0	0	2	1
June-15	0	0	0	0	0
July-15	0	0	0	0	0
August-15	1	0	0	1	0
September-15	4	1	1	6	3
October-15	3	0	0	6	3
November-15	7	1	1	6	0
December-15	10	0	2	3	3
Totals	53	3	5	38	21

DATE	TIME CALLED	TIME RESPONDED	LOCATION	OWNER NAME	PHONE NUMBER	AREA OF DISCHARGE	CAUSE
1/3/2015	8:29	8:45	408 Willow St	Jason Hadley	768-1370		Block Lateral
1/5/2015	8:21	8:45	293 Manville Rd	R. Pickering	467-2727	Basement	Brocken hot water heater
1/6/2015	7:00	7:45	235 High St	City		Noisy Manhole Cover	Repaired
1/6/2015	7:15	7:30	546 Diamond Hill Rd	Call Service		Noisy Manhole Cover	Repaired
1/8/2015	1:20 pm	1:30 pm	404 Second Ave	Headco Apertment	762-2600	Blocked flow	Blocked Lateral
1/8/2015	2:00 pm	2:25 pm	S. Main St	City		Missing Manhole	Replaced
1/9/2015	2:00 pm	2:14 pm	Pelltier Ave	City		Missing Manhole	Replaced
1/13/2015	8:50	9:00	555 Diamond Hill Rd	Leanne Jolin		Noisy Manhole Cover	Repaired
2/3/2015	2:30 pm	2:45 pm	535 Diamond Hill Rd	K. Lapierre		Blocked flow	Blocked Lateral
2/11/2015	11:00	11:15	2156 Mendon Rd	Emily Riendeau	663-9319	6" of water in basement	Blocked main
2/13/2015	4:35 pm	4:38 pm	2156 Mendon Rd	Don Riendeau	663-9319	Odor	
2/15/2015	5:00 pm	5:30 pm	535 LogeeSt	O. Pabone	309-9832	Blocked flow	Blocked Lateral
2/16/2015	2:40 pm	3:00 pm	28 Stoneham Dr	B. Lordob	769-6517	Blocked flow	Blocked Lateral
2/19/2015	7:05	7:35	City Dog Pound	City	775-9456	Blocked flow	Blocked Lateral

DATE	TIME CALLED	TIME RESPONDED	LOCATION	OWNER NAME	PHONE NUMBER	AREA OF DISCHARGE	CAUSE
2/23/2015	3:30 pm	3:45 pm	Brodley St	City	265-5559	Missing Manhole	Replaced
3/3/2015	11:30 am	12:00 pm	84 Social St	Senior Center	766-3734	Blocked flow	Blocked Lateral
3/6/2015	12:00 pm	12:30 pm	29 Gladue Lane	R. Gladue	300-2122	Blocked flow	Blocked Lateral
3/18/2015	5:30 pm	6:15 pm	Kenwood Rd	J. Gaboury	480-8204	Blocked flow	Blocked Lateral
3/23/2015	9:04	9:30	Louise St	J. Napolitano	654-7437	Blocked flow	Blocked Lateral
3/26/2015	6:36 pm	7:30 pm	290 Bound Rd	Housing Authority	767-8000	Blocked flow	Blocked Lateral
3/27/2015	10:00 pm	10:30 pm	377 Knowllwood Ave	C. MacDonald	508-688-5598	Blocked flow	Blocked Lateral
5/30/2015	4:02 pm	5:00 pm	269 Prospect St	M. Roberts	949-9852	Blocked flow	Blocked Lateral
4/1/2015	3:30 pm	3:45 pm	290 Bound Rd	V. Bairnh	765-0694	Blocked flow	Blocked Lateral
4/16/2015	11:00	11:15	Morton Ave	CH2		Odor	
4/18/2015	5:15 pm	6:00 pm	151 Church St	J. Adams	480-8204	Blocked flow	Blocked Lateral
5/2/2015	9:03 pm	9:27 pm	53 Piedmont St	M. Martinelle	762-0575	Blocked flow	Blocked Lateral
5/7/2015	1:00 pm	1:30 pm	81 Rodman St	Call Service		Brocken Manhole	Replaced
5/19/2015	9:00 pm	9:30 pm	780 Grove St	A. Labicove	765-0575	Blocked flow	Blocked Lateral
6/3/2015	11:00	11:08	Oxford St	City	265-6889	Brocken Lateral	Repaired
6/6/2015	7:26 pm	8:00 pm	32 Lydia Ave	Angelo	766-4877	Blocked flow	Blocked Lateral
8/21/2015	12:00 pm	12:30 9m	635 S. Main St	John	474-2097	Blocked flow	Blocked Lateral
9/22/2015	11:20	11:35	567 Logee St	S. Kadelski	762-1619	Noisy Manhole Cover	Repaired
9/28/2015	2:45 pm	2:55 pm	1210 Mendon	Father Mike	323-7931	Blocked flow	Blocked Lateral

9/30/2015	3:10 pm	3:30 pm	63 Union St	R. Perreaut	744-8105	Blocked flow	Blocked Lateral
9/30/2015	11:30	11:45	547 Clinton St	City		Blocked main	Blocked main
10/6/2015	9:35	9:45	1027 Park Ave	R. Charron	688-0884	Blocked flow	Blocked Lateral
10/14/2015	9:30	10:00	30 Sunrise Ave	City	265-6889	Roots in Lateral	Roots in Lateral
10/22/2015	1:15 pm	1:20 pm	Glenn St	R. Gillett	744-8105	Blocked flow	Blocked Lateral
11/10/2015	7:19	7:55	30 Monroe St	R. Mondoux	766-1255	Blocked flow	Blocked Lateral
11/10/2015	9:00	9:15	102 Vivian St	A. Kohut	935-3289	Blocked flow	Blocked Lateral
11/11/2015	9:00	9:20	218 Grove St	Call Servise	248-3191	Blocked flow	Blocked Lateral
11/23/2015	3:30 pm	3:45 pm	46 Lydia St	City		Blocked flow	Blocked Lateral
11/23/2015	4:00 pm	4:30 pm	85 Avenue B	B. Smalls	692-9498	Blocked flow	Blocked Lateral
11/24/2015	10:00	10:20	693 Elm St		486-6968	Main Blocked	Main Blocked
11/25/2015	6:00 pm	6:25 pm	652 Konllwood Dr	B Belanger	766-5770	Blocked flow	Blocked Lateral
12/1/2015	1:30 pm	1:40 pm	59 Davison St	R. Krumpski	769-1248	Odor	Odor
12/2/2015	1:30 pm	2:00 pm	44 Rian Ct	C. Bouvier	744-6269	Blocked flow	Blocked Lateral
12/5/2015	3:00 pm	3:30 pm	162 Cooper St	D. Desjardins	766-5089	Blocked flow	Blocked Lateral
12/8/2015	1:35 pm	2:05 pm	97 Morin St	G. Iumbard	617-903-2317	Blocked flow	Blocked Lateral
12/12/2015	8:00	8:30	Knollwood Dr	D.Nabb	692-0684	Odor	Odor
12/14/2015	8:40	9:00	758 Diamond Hill Rd	M.Aiudi	477-6722	Basement	Main Blocked
12/14/2015	9:51	10:00	Gaulin Ave	R. Savage	651-2504	Main Blocked	Main Blocked
12/20/2015	4:15 pm	4:30 pm	22 First Ave	E. Deslauriers	7492801	Blocked flow	Blocked Lateral
12/29/2015	10:30	10:50	59 Cooper Ave	Mike F		Missing Manhole	Replaced
12/29/2015	2:43	3:10	94 Hebert Ave	R. Szymanski		Odor	Odor

**City of
Woonsocket**

Sewer Collection System

	Camera Inspection in feet	Cleaning in feet	Number of Manhole inspected
January 2015	18395	1662	52
February	3536	838	0
March	10676	4479	94
April	0	3256	22
May	0	7752	39
June	0	51382	0
July	1206	4643	0
August	0	7167	0
September	21974	3170	0
October	10308	8192	38
November	15820	11485	15
December	14932	7001	29
Yearly Total	96,847	111,017	195

B) Other activities

1. Flushing and Cleaning:

During the calendar year 2015 the city through its contractor Veolia Water NA (VWNA) flushed and cleaned a total of 111,017 feet. In the past year 35.05 tons of debris was removed. .

CCTV:

During the year 2015 VWNA has CCTV a total of 96,847 feet.. All CCTV were conducted according to PACP protocol.

2. Manhole inspection:

During the year 2015.195manhole were inspected All manholes inspection were conducted in accordance to NASSCO's standard

The action of the City of Woonsocket to reduce SSO during 2015 as follow:

1. Infiltration:

In 2009 the City of Woonsocket entered a 10 years contract with Veolia Water NA (VWNA) to maintain and operate its wastewater collection system. Under the term of the contract, VWNA will clean and flush 120,000 feet of sewer pipes every year. The contract also requires VWNA to CCTV 58,000 feet per year.

During 2014 this contract was modified that the cleaning and CCTV will be 95,000 feet per year.

- a) In past six years the City repaired 84 structural spots at a cost of \$582,128 and 40 I/I spot repairs to reduce I/I which eliminated an estimated 362,710 at a cost of \$186,045.70.

The City will be working with Veolia Water to reduce the effect on the inflow in the sewer system

GIS Mapping

The City of Woonsocket converted their entire sewer mapping to GIS in 2007. The City continues to upgrade the GIS on a regular basis.

Under the contract Veolia Water, The City download every three months the latest CCTV conducted to its GIS database.

C) Budget and Staffing:

The Sewer collection system is financed by sewer use charge fund. Copy of the current year budget can be found in Attachment (B). The City of Woonsocket has established Capital Improvement fund many years ago. The current budget the City budgeted \$400,000 for this fund.

As of January 1, 2015 the balance in the capital improvement account with Veolia water was \$676,651.54. However in accordance of the contract between the City and Veolia Water, the City as of July 1, 2105 added \$333,554.77 to the account for a total of \$1,010,206.31.

As December 31, 2015 the balance in this account was \$917,178.85

Date of Work	Type of Work	Repair Location	Purpose	Total Approved	Vendor	Amount
February 12, 2015	Sewer main repairs	Avenue C	Pipe	\$ 75.26	EJ Prescott	\$ 75.26
February 12, 2015	Sewer main repairs	Diamond Hill Road	Pipe fittings	\$ 36.66	HD Supply Water Works	\$ 36.66
February 12, 2015	Sewer main repairs	Diamond Hill Road	Pipe	\$ 1,356.03	HD Supply Water Works	\$ 1,356.03
February 12, 2015	Sewer main repairs	Diamond Hill Road	Excavate and replace sewer main	\$ 85,488.98	Boyle & Fogarty Construction	\$ 85,488.98
February 12, 2015	Sewer main repairs	Diamond Hill Road	Concrete for chimney repairs	\$ 3,450.00	L&L Concrete Products	\$ 3,450.00
February 12, 2015	Manhole Repairs		Concrete for manhole repairs	\$ 245.53	Lowes	\$ 245.53
February 12, 2015	Sewer main repairs	South Main Street	Manhole lining	\$ 2,375.00	Amethyst Environmental, Ltd	\$ 2,375.00
April 2, 2015	Manhole Repairs	Diamond Hill Road	Concrete for manhole repairs	\$ 3,450.00	L&L Concrete	\$ 3,450.00
July 15, 2015	Manhole Repairs	Diamond Hill Road	Concrete for chimney repairs	\$ 3,450.00	L&L Concrete	\$ 3,450.00
September 3, 2015	Rehab 8 Manholes	Wastewater Plant	Rehab 8 manholes	\$ 203,050.72	CH2M	\$ 203,050.72
					Total Spent	\$ 302,978.18

The Following are the proposed projects for 2016:

Proposed Capital Repairs	Estimated Cost
Cure-in-Place Lining	\$60,000.00
Following projects have estimate prices	
Dig and replace 10' of sewer main on Mt. St. Charles Avenue	\$6,000.00
Dig and replace 75' of sewer main on St. Francis Street	\$6,000.00
Dig and Replace entire section of main on Knight Street	\$30,000.00
Dig and replace entire segment of main on Rose Avenue	\$35,000.00
Dig and Replace 6' of sewer main on Cumberland Street	\$15,000.00
Dig and Replace 6' of sewer main on Williams Street	\$6,000.00
Dig and replace entire segment of main on Walnut Hill Road	\$25,000.00
Dig and replace entire segment of main on Knollwood Drive	\$30,000.00
Dig and replace entire segment of main on Grandview Avenue	\$15,000.00
Dig and replace 15' of sewer main on Grandview Avenue	\$20,000.00
Dig and replace 10' of sewer main of Grandview Avenue	\$15,000.00
Dig and replace 8' of sewer main on Rustic Drive	\$6,000.00
Total	\$269,000.00

The VVNA organization chart: See Attachment (C)

The State of Rhode Island RIDEM was notified of the agreement between the City and VVNA. Copies of job descriptions can be found in Attachment (D). The collection system Manager and one of O&M Tech are certified MACP & PACP.

City's effort to reduce extraneous flow and FOG:

1: FOG:

In 2008, the City IPP started to permit all restaurants in the service area. Currently the IPP issued 150 permits. Only hand full of restaurants to be permitted. 149 restaurants have grease traps or grease interceptor. The IPP has issued compliance schedule to the remaining restaurants. In 2015, the IPP inspected 64 restaurants and additional 50 restaurants will be inspected in FY 2016

D) Buried Manholes:

During the current CCTV, Inland Water discovers some buried manholes. Arrangements are made to raise the manholes above grade. As the CCTV of the system progress any manholes discover to be buried will be raised.

F) Project during calendar year 2015:

During the calendar year 2015, the City with their contractor will work to achieve the following:

The agreement between the City and VVNA call for the inspection of 350 manholes per contract year (from July 1 to the following June 30). The City expects that VVNA will complete inspecting the remaining manhole in the city in 2016.

- a. Raise any discovered buried manholes.
- b. The IPP already started to inspect permitted restaurants and will continue with this task during 2016

Public Education and outreach:

Recently, the City's Wastewater and Sewer launched a webpage. The purpose of the webpage is educating the public on the Pretreatment regulations and the sewer system. The public will be able to download permit application and review current rate. Attachment (E)

The site is designed to educate the public on FOG and items not to be disposed in the sewer in order to reduce SSO in general. The webpage informs the public that the City accepts waste vegetable oil to be recycled to biodiesel. The webpage also publishes the important telephone numbers which the public may need in case of sewer, odor or billing problems.

The following is the Woonsocket Sewer Annual Report for FY 2015 which was submitted to the City by Veolia Water in accordance of the contract Attachment (F)

ATTACHEMENT A

Incident Report

Woonsocket_RI_Collections

Incident Summary

Number of Incidents: 2

Incident ID	Incident Type	Node ID	Pipe ID	Property ID
1423666035_belsky	Customer complaint	2903	2903.2902.1	2156 Mendon Road
1423810944_zicuis	Customer complaint	2903	2903.2902.1	2156 Mendon Road


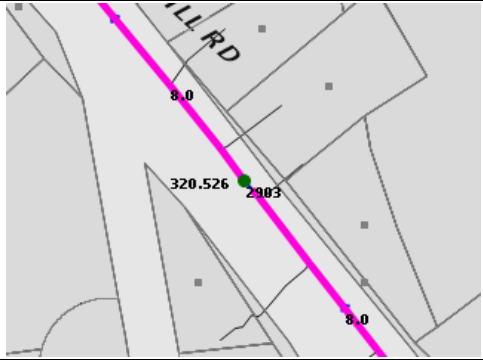
<i>Incident ID</i>	1423666035_belsky		
<i>Incident Type</i>	Customer complaint	<i>Property ID</i>	2156 Mendon Road
<i>Location</i>	2156 Mendon Road		
<i>X Coord (ft)</i>	332859.88	<i>Y Coord (ft)</i>	330652.36
<i>Node ID</i>	2903	<i>Pipe ID</i>	2903.2902.1

<i>Status</i>	RESOLVED	<i>Priority</i>	HIGH (High - ie: Blockage/Safety Issue)
<i>Date Reported</i>	2/11/2015	<i>Report Taken By</i>	CALL (Call Center)
<i>Date Inspected</i>	2/11/2015	<i>Inspected By</i>	BELSKY (John Belsky)
<i>Date Resolved</i>	2/11/2015	<i>Resolved By</i>	BELSKY (John Belsky)
<i>Cause</i>	BLOCK_MAIN (Sewer Blockage Main Line)	<i>Estimated Cost (\$)</i>	579.88
<i>Effect</i>	BASEMENT (Sewage in Basement)	<i>Actual Cost (\$)</i>	579.88
<i>Action</i>	CLEAN (Cleaned Pipe Segment)		

<i>Complaint</i>	Basement backup
<i>Contact Name</i>	Emily Riendeau
<i>Address</i>	2156 Mendon Rd, Woonsocket RI Woonsocket 02895
<i>Contact Tel</i>	401-663-9319

<i>User text 1</i>	CLEAN (Cleaned Pipe Segment)	<i>User number 1</i>	-
<i>User text 2</i>	SUPER (Notify Supervisor)	<i>User number 2</i>	-
<i>User text 3</i>	CCTV (Inspection/CCTV)	<i>User number 3</i>	-
<i>User text 4</i>	-	<i>User number 4</i>	-
<i>User text 5</i>	-	<i>User number 5</i>	-
<i>User text 6</i>	-	<i>User number 6</i>	-
<i>User text 7</i>	-	<i>User number 7</i>	-
<i>User text 8</i>	-	<i>User number 8</i>	-
<i>User text 9</i>	-	<i>User number 9</i>	-
<i>User text 10</i>	-	<i>User number 10</i>	-

<i>Notes</i>	Mrs. Riendeau called and stated that there was sewage coming into her basement. Upon arrival the Veolia crew verified that there was roughly 6" of water in the basement of the property with a very strong chemical smell. The crew went to the street and checked the sewer main for blockages. The crew noticed the flow was minimal in front of the property and jet rodded the sewer main. After cleaning 40' Mrs. Riendeau confirmed that the water in her basement began to go down. The crew CCTV'd the sewer main to verify there was no debris remaining in the main and to try and determine the cause of the blockage. There was residual of rags around the service of Mrs. Riendeau's property. Mrs. Riendeau asked who was responsible for cleaning the mess in the basement and she was informed that she would have to contact he insurance company.
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<i>Photo</i>	<i>Sketch</i>

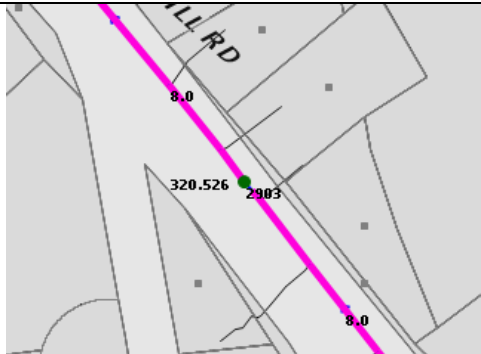


<i>Incident ID</i>	1423810944_zicuis		
<i>Incident Type</i>	Customer complaint	<i>Property ID</i>	2156 Mendon Road
<i>Location</i>	2156 Mednon Road		
<i>X Coord (ft)</i>	332859.88	<i>Y Coord (ft)</i>	330652.36
<i>Node ID</i>	2903	<i>Pipe ID</i>	2903.2902.1

<i>Status</i>	RESOLVED	<i>Priority</i>	MED (Medium - ie: Odor or Cover Issues)
<i>Date Reported</i>	2/12/2015	<i>Report Taken By</i>	CALL (Call Center)
<i>Date Inspected</i>	2/12/2015	<i>Inspected By</i>	ZICUIS (Chris Zicuis)
<i>Date Resolved</i>	2/12/2015	<i>Resolved By</i>	ZICUIS (Chris Zicuis)
<i>Cause</i>	ODOR	<i>Estimated Cost (\$)</i>	8.63
<i>Effect</i>	ODOR	<i>Actual Cost (\$)</i>	8.63
<i>Action</i>	SUPER (Notify Supervisor)		

<i>Complaint</i>	Odor
<i>Contact Name</i>	Don Riendeau
<i>Address</i>	2156 Mendon Road Woonsocket 02895
<i>Contact Tel</i>	401-649-2079

<i>Notes</i>	Mr. Riendeau called complaining that there was a residual chemical odor from the back they had. He wanted to know what Veolia and City were going to about the odor. He was informed that he would have to contact his insurance company to process a claim. Mr. Riedeau hung up the phone before the Veolia staff member could finish speaking to him.
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<i>Photo</i>	
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Incident Report

Woonsocket_RI_Collections

Incident Summary

Number of Incidents: 1

Incident ID	Incident Type	Node ID	Pipe ID	Property ID
1448362745_zicuis	Customer complaint	133	133.132.1	693 Elm Street

<i>Incident ID</i>	1448362745_zicuis		
<i>Incident Type</i>	Customer complaint	<i>Property ID</i>	693 Elm Street
<i>Location</i>	693 Elm Street		
<i>X Coord (ft)</i>	330411.89	<i>Y Coord (ft)</i>	336979.11
<i>Node ID</i>	133	<i>Pipe ID</i>	133.132.1

<i>Status</i>	RESOLVED	<i>Priority</i>	HIGH (High - ie: Blockage/Safety Issue)
<i>Date Reported</i>	11/24/2015	<i>Report Taken By</i>	CALL (Call Center)
<i>Date Inspected</i>	11/24/2015	<i>Inspected By</i>	ZICUIS (Chris Zicuis)
<i>Date Resolved</i>	11/24/2015	<i>Resolved By</i>	ZICUIS (Chris Zicuis)
<i>Cause</i>	BLOCK_MAIN (Sewer Blockage Main Line)	<i>Estimated Cost (\$)</i>	379.88
<i>Effect</i>	BASEMENT (Sewage in Basement)	<i>Actual Cost (\$)</i>	347.40
<i>Action</i>	CLEAN (Cleaned Pipe Segment)		

<i>Complaint</i>	Basement Backup
<i>Contact Name</i>	Scott Sanford - Woonsocket Engineering
<i>Address</i>	693 Elm Street Woonsocket 02895
<i>Contact Tel</i>	401-486-6968

<i>User text 1</i>	CLEAN (Cleaned Pipe Segment)	<i>User number 1</i>	-
<i>User text 2</i>	-	<i>User number 2</i>	-
<i>User text 3</i>	-	<i>User number 3</i>	-
<i>User text 4</i>	-	<i>User number 4</i>	-
<i>User text 5</i>	-	<i>User number 5</i>	-
<i>User text 6</i>	-	<i>User number 6</i>	-
<i>User text 7</i>	-	<i>User number 7</i>	-
<i>User text 8</i>	-	<i>User number 8</i>	-
<i>User text 9</i>	-	<i>User number 9</i>	-
<i>User text 10</i>	-	<i>User number 10</i>	-

<i>Notes</i>	<p>Scott Sanford from the City Engineering Office called and stated that he received a call about the basement backup at 693 Elm Street. Upon arrival the Veolia crew observed roughly 200 gallons of water in the basement of the property. The crew checked the City sewer main and found that the downstream sewer manhole was surcharged and holding a large amount of grease. The main was immediately cleaned and all grease removed. All of the upstream pipes were cleaned as well to remove any remaining debris. The cleaning crew removed a significant amount of grease from the upstream pipes. After cleaning the mains were CCTV'd to verify the pipes cleanliness and that all debris were removed. These sections of pipes were last cleaned and CCTV'd in February and March of 2011. Per the contract between the City and Veolia the collection system is cleaned and CCTV'd year 5 years per industry standard. Veolia began in late 2009 2010.</p>
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<i>Photo</i>	<i>Sketch</i>

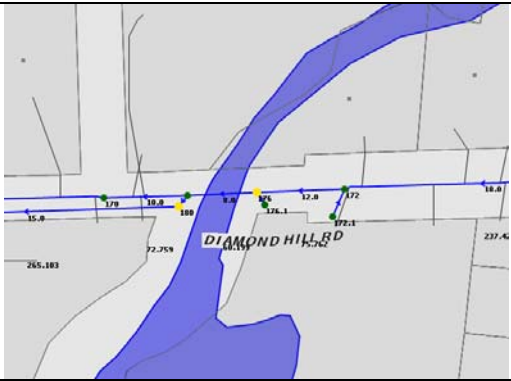
Incident ID	1450169736_zicuis		
Incident Type	Customer complaint	<i>Property ID</i>	758 Diamond Hill Road
<i>Location</i>	758 Diamond Hill Road		
<i>X Coord (ft)</i>	329990.96	<i>Y Coord (ft)</i>	339679.61
<i>Node ID</i>	176	<i>Pipe ID</i>	176.171.1

Status	RESOLVED	Priority	HIGH (High - ie: Blockage/Safety Issue)
<i>Date Reported</i>	08:40 14 Dec 2015	<i>Report Taken By</i>	MUNICIP (Municipality)
<i>Date Inspected</i>	09:00 14 Dec 2015	<i>Inspected By</i>	ZICUIS (Chris Zicuis)
<i>Date Resolved</i>	15:00 14 Dec 2015	<i>Resolved By</i>	ZICUIS (Chris Zicuis)
<i>Cause</i>	BLOCK_MAIN (Sewer Blockage Main Line)	<i>Estimated Cost (\$)</i>	661.26
<i>Effect</i>	BASEMENT (Sewage in Basement)	<i>Actual Cost (\$)</i>	1042.94
<i>Action</i>	CLEAN (Cleaned Pipe Segment)		

Complaint	Basement backup
<i>Contact Name</i>	Mike Aiudi
<i>Address</i>	758 Diamond Hill Road Woonsocket 02895
<i>Contact Tel</i>	401-447-6722

User text 1	CLEAN (Cleaned Pipe Segment)	User number 1	-
<i>User text 2</i>	-	<i>User number 2</i>	-
<i>User text 3</i>	-	<i>User number 3</i>	-
<i>User text 4</i>	-	<i>User number 4</i>	-
<i>User text 5</i>	-	<i>User number 5</i>	-
<i>User text 6</i>	-	<i>User number 6</i>	-
<i>User text 7</i>	-	<i>User number 7</i>	-
<i>User text 8</i>	-	<i>User number 8</i>	-
<i>User text 9</i>	-	<i>User number 9</i>	-
<i>User text 10</i>	-	<i>User number 10</i>	-

Notes	Mr. Aiudi called and said there was sewage coming into his basement. Upon arrival Mr. Aiudi explained that sewage was coming in his basement through the basement toilet and had just stopped on our arrival. The Veolia began jetting the sewer main to clear what was left of the blockage in the main and removed all debris. The pipe was clogged with a significant amount of grease and rags.
--------------	---

	
Photo -	Sketch -



ATTACHEMENT B

USER CHARGE COLLECTION FUND

Public Works Department

Sewer Division

Detail 2015-2016

page 1 of 2

		Adopted Budget FY 15	Adjusted Budget FY 15	Total Est. Expended FY 15	Proposed Budget FY 16
U6951	<u>Personal Services</u>				
-51110	Permanent Services	\$ -	\$ -	\$ -	\$ -
-51122	Temporary Labor	16,443	16,443	18,506	16,443
	Permanent Services	16,443	16,443	18,506	16,443
	<u>Extra Compensation</u>				
-51141	Overtime	-	-	-	-
-51144	Out of Class Pay	-	-	-	-
-51145	Longevity	343	343	343	343
-51147	Sick Leave Reimb	-	-	-	-
51148	Comp Time Reimb	-	-	-	-
-51149	Shift Differential	-	-	-	-
-51153	Non Sick/Injury Bonus	-	-	-	-
-51155	Bonus for Course	-	-	-	-
	Total Extra Compensation	343	343	343	343
	Total Personal Services	16,786	16,786	18,849	16,786
U6952	<u>Maintenance & Servicing</u>				
-52211	Postage	-	-	-	-
-52212	Telephone	600	600	680	600
-52213	Dues and Subscriptions	-	-	-	-
-52214	Advertising	-	-	-	-
-52219	Education Training	-	-	-	-
-52221	Printing & Reproducing	-	-	-	-
-52223	Operations & Management	713,892	713,892	710,000	727,750
-52227	Accelerated Cleaning	-	-	-	-
-52231	Gen. Maint. & Upkeep	-	-	-	-
-52234	Veh & Outside Equip Upkeep	-	-	-	-
-52238	Maintenance - Roads & Walks	-	-	-	-
-52244	Land Rental Charges	2,475	2,475	2,475	2,475
-52251	Heating	-	-	-	-
-52252	Light & Power	50,000	50,000	50,000	55,000
-52290	Engineering Services	10,000	10,000	-	10,000
	Total Maint. & Servicing	\$ 776,967	\$ 776,967	\$ 763,155	\$ 795,825

account detail continued on next page

USER CHARGE COLLECTION FUND

Public Works Department

Sewer Division

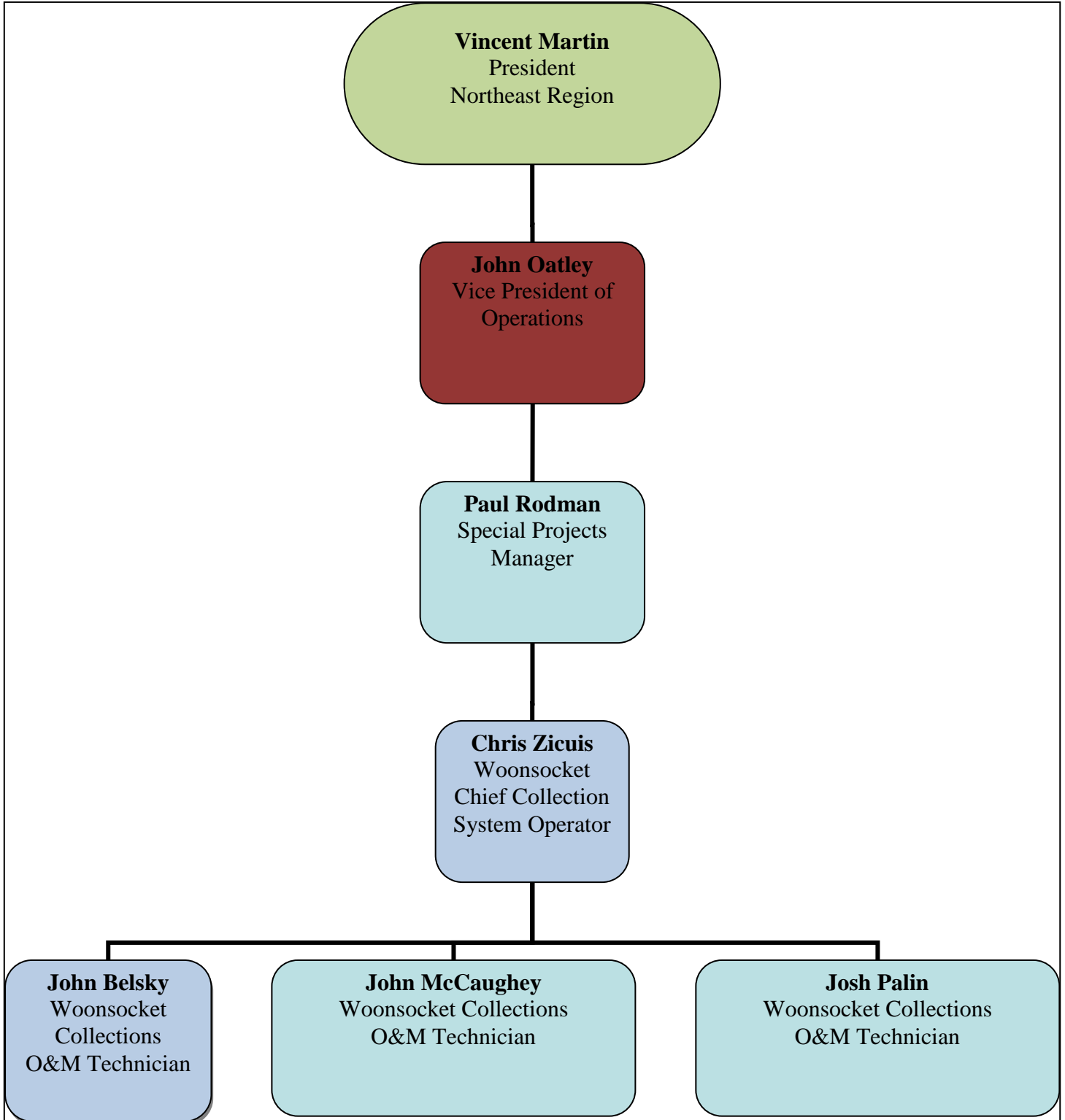
Detail 2015-2016

page 2 of 2

	Adopted Budget FY 15	Adjusted Budget FY 15	Total Est. Expended FY 15	Proposed Budget FY 16
U6953 <u>Operating Supplies</u>				
-53311 Office Supp. & expenses	-	-	-	-
-53321 Gas & Diesel Fuel	-	-	-	-
-53322 Tires & Batteries	-	-	-	-
-53335 Water Purchased	3,750	3,750	3,750	3,750
-53344 Tools & Implements	-	-	-	-
-53346 Cleaning & Hskp Supplies	-	-	-	-
-53349 Other Supplies	-	-	-	-
-53363 Clothing & Footwear	-	-	-	-
-53366 Medical Supplies	-	-	-	-
-53369 Clothing Allowance	25	25	-	25
Total Operating Supplies	3,775	3,775	3,750	3,775
U6954 <u>General Charges</u>				
-54433 City Employees Pension	726	726	726	795
-54434 FICA Employer Cost	1,762	1,762	1,762	1,805
-54449 RWT Service Charges	-	-	-	-
-54451 Vehicle Insurance	-	-	-	-
-54452 Insurance Workers Comp	-	-	-	-
-54453 Insurance Liability	-	-	-	-
-54456 Insurance-Group Life	43	43	43	46
-54471 Health Insurance	26,569	26,569	26,569	49,570
-54472 Dental Insurance	2,527	2,527	2,527	3,385
-54473 Renewal & Replace Fund	400,000	400,000	400,000	400,000
-54492 Contingency	100,000	100,000	-	100,000
Total General Charges	531,627	531,627	431,627	555,601
TOTAL SEWER DIVISION	\$ 1,329,155	\$ 1,329,155	\$ 1,217,381	\$ 1,371,987

ATTACHEMENT C

H. Staffing



ATTACHEMENT D



June 30, 2009

COLLECTION SYSTEM MANAGER, WOONSOCKET, RI

Responsibilities/Duties for this position: Supervises approximately three full time employees on a regular basis. The work involves the maintenance of sanitary collection systems and pump stations as needed. Employees typically perform cleaning, inspection and maintenance of the gravity sanitary sewer pipes and manholes. The unique feature of this system is the pipes are large diameter of 10 to 30 inches.

Experience, Education and/or Licensing needed for this position: Degree in related field or equivalent related experience. Must hold or be working toward the highest level of Collection System Certification as required by site. Must demonstrate knowledge and experience of health and safety requirements, federal, state and local laws and codes. Must be First Aid and CPR certified within 90 days of hire. Five to seven years in progressive experience in the operation and maintenance of a sanitary sewer collection system with specialized experience in cleaning and inspecting large deep sanitary sewer pipes and manholes. Lead experience or supervisory training required with understanding of human relations, training, performance evaluation and health and safety.

Candidate must have:

- Experience in Cleaning and inspecting large diameter gravity sewer pipes and manholes.
- Effective skills in troubleshooting, problem solving and team building.
- The availability to help execute the wet weather operations plan.
- The ingenuity and initiative to coordinate problem resolution and to execute the contract requirements within a team environment.
- General knowledge of budget preparation and understanding of cost control.
- Demonstrated good verbal communications and interpersonal skills in order to interface with and motivate all levels of personnel.
- Demonstrated ability to prepare accurate, timely, effective, complete and easily understood written communications and reports.
- Proficiency in the care and use of all site specific, facility required PPE (Personal Protection Equipment).
- Computer skills and a knowledge of word processing, spreadsheet and presentation software for preparing work related reports, charts, graphs and data submittal requirements.
- The ability to use computer systems for preparing work orders and purchasing requisitions.
- The ability to work on an on-call, rotational 24 hour emergency basis with the other Collection System Supervisor.
- Must have or develop skills for the O&M of pump stations and instrumentation and control equipment.
- A demonstrated commitment to compliance with applicable laws and regulations, the Company's Code of Business Conduct and other Company policies and procedures.

Collections O&M Technician

JOB DESCRIPTION

Business Unit / Location: VWNA / Woonsocket, RI	Position Code: 270010 Benchmark
Department: UGAM	Prepared by: J. Mongie Last Update: April 9, 2010
Managed by (Title): Collections System Supv / Mgr	FLSA Status: Non-Exempt
Department Approval	HR Approval

SUMMARY

Performs field maintenance, inspection, installation or repairs in one or more areas such as system protection (line locates and inspections of the collection system), cleaning and CCTV pipe, SSES projects, and system flows, and inspecting and maintaining manholes, pipes, and wet wells.

Note: This position requires a mandatory rotating on-call schedule with a half hour response time. Also ability to travel to other job locations

KNOWLEDGE, EXPERIENCE AND SKILLS REQUIRED TO CARRY OUT THE JOB

Technical Knowledge, Years of Related Experience, Certifications Required, Equipment and/or Systems Experience

High school or GED with the ability to read, write and comprehend English (maps, operational, maintenance, safety and quality instructions) and be able to carry out verbal and written instructions.

Ability to perform basic mathematical calculations. Some vocational training and mechanical aptitude preferred, with the ability to read, interpret and record data from meters, gauges, panels, computer consoles and other equipment.

Six months to two years experience in a related position with ability to comprehend specifications, drawings and manuals.

Minimum water / wastewater license as required by regulatory agency at site.

Experience using power, pneumatic, hydraulic, and hand tools.

Experience using pressure gauges and precision measuring instruments.

Must have ability to use a computer or computer device for record keeping.

Must consistently demonstrate the ability to learn and independently perform assigned duties and meet or exceed production and quality goals.

Must demonstrate ability to work in a team environment and willingness to assume additional or new responsibilities readily.

Must demonstrate the ability to work well and communicate with clients, management and the general public.

Must possess a valid driver's license and a safe driving record.

TRAINING REQUIRED

What training will an employee require to successfully perform the duties of the position?

Employee Orientation, Field Service Operating Procedures, Safety, Confined Space training, OSHA and Quality Training. Equipment inspection and repair training.

HAZWOPER (Hazardous Waste Operations and Emergency Response) Level I and II First Responder Certification if required by site. Minimum water / wastewater operator state certification.

Cross-connection certification if required by site.

Customer Service Training. Computer or systems training as required.

Must become proficient in the care and use of all site specific, facility required PPE (Personal Protection Equipment), including respirators, gas detectors, confined space equipment, etc.)

Forklift Certification if required by site.

Works toward increasing skills in additional functional areas or in obtaining advanced skills / certifications.

CDL Class B with Tanker endorsement

Knowledge of operations and maintenance of Vactor Trucks

May perform more advanced functions as part of training and development.

Learning Curve: How much time is required to effectively perform the job? ☐ 0-3 months

☐ 3-6 months ☒ 6-9 months ☐ 9 months to 1 year ☐ 1 – 1 ½ years ☐ 1 ½ to 2 years ☐ 2 to 3 years

E or N	MAIN ACTIVITIES CARRIED OUT Identify the major tasks accomplished by this job. Identify % of time spent on each and whether activity is an E- essential function or N – non-essential function of the job.	% OF TIME
E	Performs inspections for sewer pipe repairs, replacements and fresh water sources. Performs system locates. Performs cleaning and maintenance of pipes and manholes.	30%
E	Learns to use the InfoNet Mobile application to record and complete existing work orders and create work orders ad hoc in the field.	15%
E	Learns to perform SSES projects, such as smoke testing, dye testing, dye flooding, building inspection, sewer tie in & sewer extension inspections and manhole inspections.	25%
E	Performs routine and preventative maintenance on equipment. Promptly reports any operational problems to Lead or Supervisor.	10%
E	Cleans equipment and work area as required and properly disposes of waste according to safety and environmental policies. Operates vehicles for field service purposes.	10%
E	SPECIFIC ACTIVITIES (INTERMITTENT, ON AN OCCASIONAL BASIS, ETC.) May travel to other projects for assistance.	10%

SCOPE AND IMPACT OF THE JOB

Revenue or budget managed: \$ 0 Investments decided upon / managed: none at this level

Number of Direct Reports: 0

Number of Indirect Reports: 0

Titles of Reports: n/a

Nature of Supervisory Responsibility: ☒ None

Degree of supervision received or the degree of autonomy given: The degree to which supervisor outlines the methods to be followed or results to be obtained and checks work or progress.

Works under direct supervision: Works either with higher level or more experienced team member or specific instructions are given on assignments or follows written or verbal instructions and established procedures (specifications, drawing and manuals) and standard practice to perform assigned tasks.

Complexity of Duties and Decisions: The extent to which duties are guided by standard policy, practice or precedents or the amount of resourcefulness and planning and creative effort in devising new methods, policies, policies, procedures, products or original application.

Performs a variety of manual functions. Follows established procedures to perform standardized or routine tasks. Must follow established operational, maintenance, safety and emergency response procedures. Must adhere to specifications and schedule. May suggest process improvements.

Initiative: Describe the ingenuity, creative imagination or original thought that is expected of the job.

Uses initiative in carrying out recurring assignments. Waits for direction for next steps and assignments outside of routine. Keeps supervisor informed of problems.

How errors detected and what is possible impact of those errors?

Work is reviewed for completeness and accuracy, or inherent checks are built into the nature of the work. Most errors are caught during self-inspection before leaving work unit. Impact is minimal.

INTERPERSONAL / COMMUNICATIONS

Indicate internal and external contacts and purpose of contacts.

Internal contact with immediate associates and immediate supervisor for instructions, training and guidance. Frequent contact with customers to resolve service issues and problems.

WORK ENVIRONMENT AND DEMANDS

List the work environment and physical demands encountered while performing the essential functions of the job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

Work Environment:

Spends majority of time in field environment and occasionally works in an office, maintenance or repair shop environment. Typically spends 85% of time exposed to outdoor and sometimes inclement weather. Company service vehicles are used as required. May serve rotational 24 hour emergency on-call.

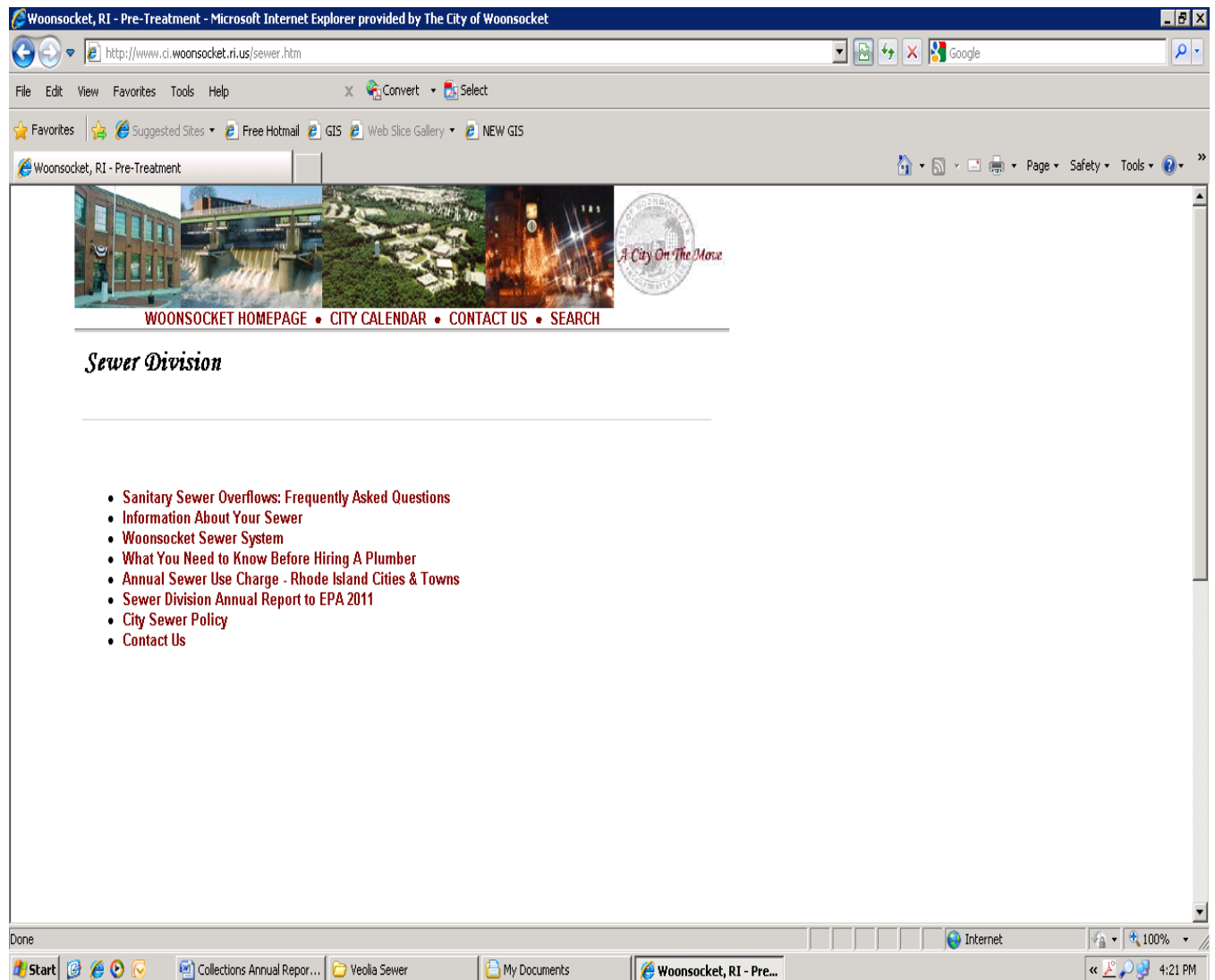
Possible Work Hazards:

May be exposed to possible operations hazards including fumes, dust, toxic and caustic chemicals, noise, rotating machinery, high pressure and hot and cold temperatures, slippery surfaces, water and electrical hazards and confined spaces.

Physical Demands:

Amount of time spent – Standing 25%, Walking 75% for as many as five miles per shift. Requires close visual and hearing observation to detect non-conformance and machine malfunction. Constantly uses hands to finger, handle or feel and frequently reaches with hands and arms. Works in various positions; works on ladders, catwalks, and supports at heights of 50 feet above the ground; and works with hands extended above and below head and body up to 40 minutes using hand tools weighing up to 15 pounds. Must be able to lift and carry 50 pounds (occasionally 60 pounds) distances of 10 feet. Occasional stooping, bending or kneeling and entering confined spaces.

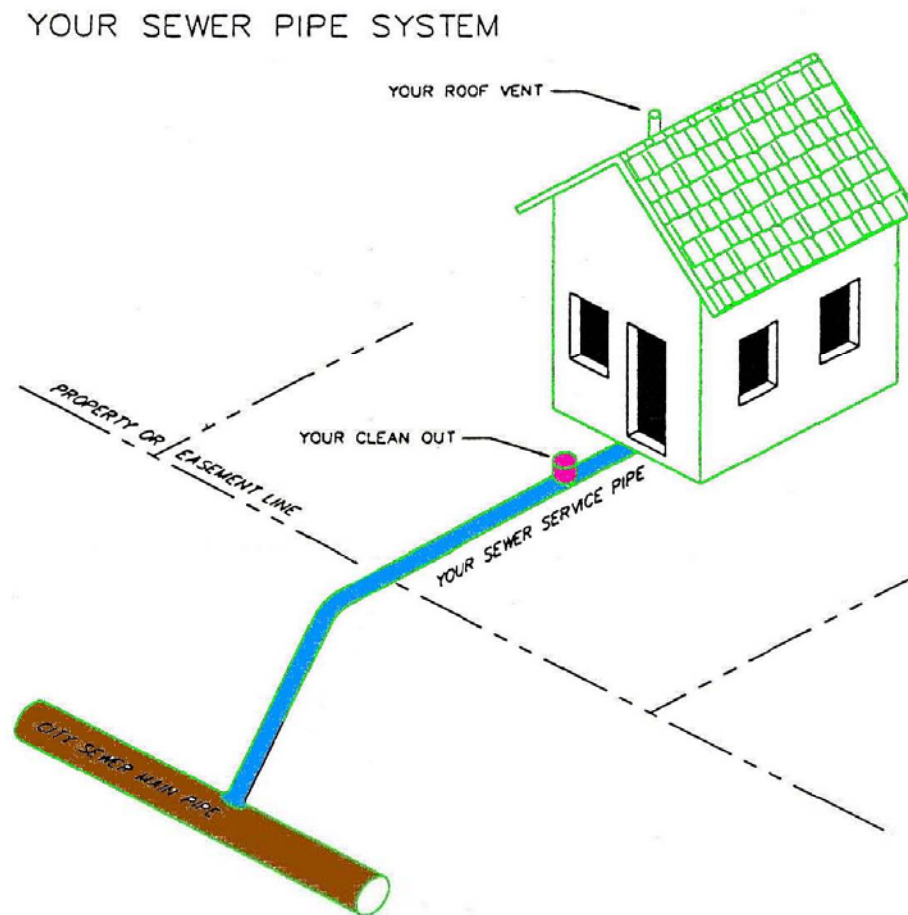
This job description is a general description of essential job functions. It is not intended as an employment contract, nor is it intended to describe all duties someone in this position may perform. All employees are expected to perform tasks as assigned by supervisory personnel, regardless of job title or routine job duties.



What is a sewer service lateral?

The service lateral is constructed by private owners for private use of their property. It is a private sewer located on private property not serving the community at large and for which the City does not have an executed and recorded easement for the purpose of providing City maintenance. The service lateral is an extension of the house building sewer that connects the building to the City sewer. The maintenance and repair of the entire sewer service lateral is the property owner's responsibility.

Page 1 of 1



What is a sanitary sewer system?

Those structures (pipes, force mains, gravity sewer lines and manholes) in the wastewater collection system designed to convey municipal sewage only (not stormwater) to a wastewater treatment facility are referred to as "sanitary sewers."

What is a sewer overflow or sanitary sewer overflow?

A sewage overflow is the intentional or unintentional diversion of flow from a sanitary or combined sewer collection and transmission system. Sewage overflows include discharges to public property or discharges on private property; discharges to State Waters and United States Waters.

What should a customer do when a sewage backup occurs in the home/yard, etc.?

If you experience a sewage backup, you should contact Veolia Water the operator of the City's sewer collection system at 401-762-5050 ext. 2

Sewer Backup Problems

Preventative measures you can take to prevent Sewer backups:

- Do not dispose of your household grease in the sinks or toilets
- Do not dispose of diapers or other disposable hygiene products in your toilets
- Do not dispose of bones and food scraps if you do not have an appliance to grind them before disposal
- Inspect and have your rooftop vents cleaned out by a professional
- Place screening over your rooftop vents if you encounter a problem with rodents entering your home through your toilets
- For information on how you can prevent a backup or sewer overflow: For more information on what to do if you have a sewer overflow:

Prevent Blocked Drains

Most homeowners have experienced a temporary blockage or sluggish drains in their plumbing. Minor blockages often can be cleared with a plunger.

Cooking grease, hair, food particles, toilet paper and roots often cause sluggish drains or line blockages. If they happen near the drain opening or toilet bowl, a plunger may be effective in clearing them. However, if the problem is some distance into a drain line, it may require a plumber to locate and resolve.

Eliminate Water

If you have a blocked or stubborn drain, the first thing you want to do is reduce or eliminate the water you put in the lines to minimize the amount of damage you may do. Obviously, if you keep flushing a slow-moving toilet, it will overflow the bowl, damaging your floor.

Washing machines can create one of the biggest problems when your drains are running slowly. Washers use 15 to 20 gallons a load. This water could back up into toilets or showers, possibly

causing overflow damage. It is relatively easy to find out if the blockage is in the house drains or in the sewer lines.

Check Your Cleanout

First, check the cleanout next to the house to see if it has water in it. If it contains no water, then you know the blockage is somewhere in the house plumbing. If there is water standing in the cleanout, the blockage is most likely in the line from the house to the main sewer line.

If there is a cleanout near your property line and you find water standing in it, the problem is likely in the City sewer line. Under these circumstances you should discontinue using your facilities and contact Veolia Sewer Collection at 401-762-5050 option 2.

If there is no cleanout at the property line and water is standing in a cleanout on your property, you should also contact Veolia Sewer Collection at 401-762-5050 option 2.

Please Note: Veolia Sewer Collection is not permitted to do any work on private property; therefore, the homeowner or a plumber must resolve any problem between the right-of-way and the house.

If you have any questions regarding your sewer bill, please contact Sewer Use charge at City Hall Telephone number 401-767-2217

How to Prevent Fats, Oils, and Greases from Damaging Your Home and the Environment

Fats, Oils, and Greases aren't just bad for your arteries and your waistline; they're bad for sewers, too.

Sewer overflows and backups can cause health hazards, damage home interiors, and threaten the environment. An increasingly common cause of overflows is sewer pipes blocked by grease. Grease gets into the sewer from household drains as well as from poorly maintained grease traps in restaurants and other businesses.

Where does the grease come from?

Most of us know grease as the byproduct of cooking. Grease is found in such things as:

- Meat fats
- Lard
- Cooking oil
- Shortening
- Butter and margarine
- Food scraps
- Baking goods
- Sauces
- Dairy products



Too often, grease is washed into the plumbing system, usually through the kitchen sink. Grease sticks to the insides of sewer pipes (both on your property and in the streets). Over time, the grease can build up and block the entire pipe.

Home garbage disposals do not keep grease out of the plumbing system. These units only shred solid material into smaller pieces and do not prevent grease from going down the drain. Commercial additives, including detergents that claim to dissolve grease may pass grease down the line and cause problems in other areas.

The results can be:

- Raw sewage overflowing in your home or your neighbor's home;
- An expensive and unpleasant cleanup that often must be paid for by you, the homeowner;
- Raw sewage overflowing into parks, yards, and streets;
- Potential contact with disease-causing organisms; and
- An increase in operation and maintenance costs for local sewer departments, which causes higher sewer bills for customers.

Telephone numbers to remember

For Sewer bills inquiry: Call 401-767-2217

For Odor complaints: Call odor hot line at 401-765-7623

For Pretreatment questions call: 401-766-1255

For Sewer issues such as:

Sewage over flow from manhole

Broken manhole cover

Sewer over flow in basement

Sewer blockage

Call 401-762-5050 option 2

ATTACHMENT F

Woonsocket Sanitary Sewer Collection System FY 2014 – 2015 Annual Operating Report



**Prepared for:
Public Works Director
for the
City of Woonsocket**



August 21, 2015

Adel Banoub
City Official
City of Woonsocket
169 Main Street
Woonsocket, RI 02895

**RE: Woonsocket Sanitary Sewer Collection System
Annual Operating Report – FY 2014 - 2015**

Dear Mr. Banoub,

Please find enclosed the annual operating report for FY 2014 - 2015. Feel free to contact me at your convenience should you have any questions regarding this Annual Operating Report.

Sincerely,

Paul Rodman
Special Projects Manager

cc: John Oatley, Vice President of Operations, VNA

Abstract

For FY 14 - 15 the main objectives were to complete 95,000 linear feet of pipe cleaning, 95,000 linear feet of Closed Circuit Television (CCTV) inspections, as well as 350 manhole inspections. This contract year's footage obligation for pipe cleaning and CCTV inspection were changed from previous years on the basis that the entire system would be cleaned and CCTV'd in 6 years instead of 10 years. The main objective for public relations was to reduce the amount of customer complaints and sanitary sewer over flows from FY 13 - 14.

The other main objective was to complete the larger excavation projects that have been on recommended capital repair list because the sewer mains were severely damaged and on the verge of failure. Throughout the year Veolia oversaw the excavation and replacement of nine (9) separate repairs totaling roughly 2,100 LFT of gravity sewer main replacement. These activities removed three (3) areas from the weekly "HOT SPOT" cleaning list.

All sanitary sewer pipes were all cleaned using a high velocity combination jet/vac unit and all debris vacuumed out of the sewer mains to prevent backups downstream in the system. The sanitary sewer mains would then be CCTV'd and defects coded using the industry standard NASSCO pipe inspection formatting. Veolia field crews also used the NASSCO standard to complete sewer manhole inspections and document all defects. Quality control measures were then executed on the collected data to ensure accuracy and the following report was generated directly from InfoNet, which includes defect photos, video clips, and defect summaries. The City of Woonsocket's GIS was then updated per the findings in the field from the cleaning, CCTV, and manhole inspection data collected. From these condition inspection reports the Veolia team compiled an overall list recommended defects for capital repair, and submitted a proposal to repair the worst of the defects.

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Executive Summary

This report provides an in depth overview of the work completed on the Woonsocket Sanitary Sewer Collection System throughout the FY 2014 - 2015 by Veolia North America. A series of tables have been provided to aid in tracking the annual progress towards the base contract obligations. Table 1. will show the amount of customer complaints/service calls, sanitary sewer overflows, mainline sewer blockages, service lateral blockages and basement backups reported in 2014-2015; and compare those figures to the previous five years of the contract. Veolia completed cleaning the entire Woonsocket sanitary sewer system in June 2014. Table 2. will show a comparison of the amount of debris that was removed in each of the first five years of the contract compared to second round of cleaning per year. Table 3. will show the number of pipe repairs that Veolia has completed in each of the six completed contract years and the amount of estimated infiltration that was removed per year. Also found in other sections of the executive summary will be any major issues/problems that have been identified and not currently resolved, key plans and objectives for the following contract year, a list of any reports submitted to regulatory agencies, operating statistics, and finally the contract years final Preventative Maintenance and Corrective Repairs balance sheet.

i. Key accomplishments for the year

During FY 2014 – 2015 the Veolia Woonsocket Collections Department oversaw the excavation and replacement of roughly 2,100 LFT of gravity sewer main. These efforts removed three (3) locations that were part of the weekly cleaning “HOT SPOT” list and the others were on a critical excavate and replace list that was assembled through the continuous CCTV program Veolia provides that City.

Table 1. Annual Complaints and SSO table

YEAR	TOTAL COMPLAINTS	TOTAL MAINLINE SSO	TOTAL # OF MAINLINE SEWER BLOCKAGES	TOTAL # OF HOMEOWNER LATERAL BLOCKAGES	TOTAL # OF BASEMENT BACKUPS
2009-2010	83	31	31	39	33
2010-2011	59	4	4	34	15
2011-2012	69	4	5	28	16
2012-2013	66	2	4	38	6
2013-2014	44	0	6	25	2
2014-2015	52	3	4	25	2



Table 2. Total Debris Removed

First 5 Years of Contract		Second 5 Years of Contract	
Year	DEBRIS REMOVED (TONS)	Year	DEBRIS REMOVED (TONS)
2009-2010	84.93	2014-2015	27.34
2010-2011	190.77		
2011-2012	13.97		
2012-2013	33.35		
2013-2014	110.76		
Total	433.78	Total	27.34

The 2014 – 2015 contract year marked the beginning of the second round of cleaning the Woonsocket Sanitary Sewer System. The Veolia team began its cleaning in the same locations as they did in 2009. This is so a measurement and comparison could be made in amount of debris build up between 2009 and 2014. In 2014 – 2015 there was 58 tons less debris removed when comparing the debris removed to 2009 – 2010.

- The 58 tons may be slightly lower because in 2009 -2010 the crew cleaned 120,000 lft and in 2014 – 2015 the crew cleaned 95,000 lft, a difference of 25,000 lft.

Throughout the first five (5) years Veolia has completed one-hundred twenty (120) pipe repairs in the Woonsocket sanitary sewer system for an estimated reduction total of 209,295.00 gallons per day of infiltration. In year six (6) there were 12 pipe repairs completed for an estimated total of 31,015 GPD of infiltration removed. As previously stated, the goal in year six (6) was to replace sections of sewer main that were beyond lining rehab and were on the verge of complete failure.

Table 3. Annual Total of Pipe Repairs and Infiltration Removal table

YEAR	TOTAL PIPE REPAIRS	TOTAL I/I REMOVED (GPD)
2009-2010	19	50,415.00
2010-2011	8	30,240.00
2011-2012	35	95,040.00
2012-2013	23	2,880.00
2013-2014	35	30,720.00
2014-2015	12	31,015.00
Total	132	240,310.00



ii. Major issues/problems not yet resolved

There are currently no major issues or problems that have not been resolved.

iii. Key plans and objectives for next year

The key objectives for FY 2015 – 2016 will be to complete the base contract obligation of 95,000 lft of pipe cleaning, 95,000 lft of CCTV inspection, and 350 manhole inspections.

There will also be a proposed Capital Improvement list submitted for FY 2015 – 2016 which will include the dig and replacement of one (1) location on the City's weekly "HOT SPOT" cleaning list, several other dig and replace locations where the structural integrity of the gravity sewer main has been compromised and is close to failure and cure-in-place lining that will repair structural defects as well as reduce infiltration from the sewer system. The Capital Improvement list can be found in section **(L) Capital Modification Projects** of this report.

iv. List of reports (dates) submitted to regulatory agencies

During FY 2014 – 2015 there were three (3) reports submitted to Regulatory Agencies.

1. December 22, 2014 – Sanitary Sewer Overflow report submitted to RIDEM. This was a blocked service lateral on the property of 262 Robinson Street, Woonsocket. The home owner's service lateral was blocked and the internal flows from the house could not enter the City sewer main. The head pressure behind the blockage forced the internal water out of the cleanout outside of the house and onto the driveway. Total gallons equated to roughly 50 gallons.
2. December 31, 2014 – Sanitary Sewer Overflow report submitted to RIDEM. This was a result of the controls being left on inside of the Diamond Hill Sewer Pumping Station. The wet well of the pumping station overflowed onto the ground. Total gallons reported equate to roughly 200 gallons. **(It should be noted that Veolia North America is not responsible for the operation or the maintenance of the sewer pumping station, but only reported the incident because it occurred within the City Sanitary Sewer Collection System)**



3. February 11, 2015 – Sanitary Sewer Overflow / Basement Backup report submitted to RIDEM. This was a result of a blockage in the City’s main sewer line that backed up into the basement of the property located at 2156 Mendon Road, Woonsocket. The total gallons that entered the basement equated to roughly 100 gallons.

v. Operating Statistics

FY 2014 - 2015	
Total Pipe Distance Cleaned	96,072.00 ft
Total CCTV Survey Length	95,030.20 ft
Total Manhole Inspections	354
Total number of pipe repairs	12
Total number of manhole repairs	16
Total number of emergency repairs	14
Total number of customer complaints	52
Total number of Sanitary Sewer Overflows	3
Total number of customer basement backups	2

vi. Maintenance

A) Annual SSO’s and Customer Complaint Activities

MONTH	TOTAL COMPLAINTS	TOTAL MAINLINE SSO	TOTAL # OF MAINLINE SEWER BLOCKAGES	TOTAL # OF LATERAL BLOCKAGES	TOTAL # OF BASEMENT BACKUPS	TOTAL MAINLINE & BASEMENT BACKUPS	OTHER CUSTOMER COMPLAINT ISSUES	EMERGENCY REPAIRS
TOTAL TO DATE	52	3	4	25	2	2	21	14



viii. Accounting

Preventative Maintenance and Corrective Repairs Tracking Spread Sheet

**Veolia Water Woonsocket Collection System
Preventative Maintenance and Corrective Repairs Balance Sheet**

Date of	Type of	Date	Repair Location	Purpose	Total Approved	Vendor	Amount	Fund
Work	Work	Paid						Balance
						FY 14 Carryover		\$ 776,510.78
						FY 15 per Contract		\$ 326,278.75
						Total		\$ 1,102,789.53
	Structural							
09/12/14		10/21/14	Avenue C	Bi-pass pumping	\$ 3,675.00	After Hours Drain Service	\$ 3,675.00	\$ 1,099,114.53
09/23/14		10/21/14	Avenue C	Excavate and replace sewer main	\$ 120,541.53	Boyle & Fogarty Construction	\$ 120,541.53	\$ 978,573.00
09/23/14		10/21/14	Avenue C	Police Detail	\$ 550.00	Boyle & Fogarty Construction	\$ 550.00	\$ 978,023.00
09/09/14		10/21/14	Avenue C	Pipe fittings	\$ 146.70	EJP	\$ 146.70	\$ 977,876.30
09/09/14		10/21/14	Avenue C	Pipe fittings & pipe	\$ 3,458.20	HD Supply Water Works	\$ 3,458.20	\$ 974,418.10
09/11/14		10/21/14	Avenue C	Pipe	\$ 44.44	HD Supply Water Works	\$ 44.44	\$ 974,373.66
09/11/14		10/21/14	Avenue C	Pipe primer & PVC Cement	\$ 49.96	HD Supply Water Works	\$ 49.96	\$ 974,323.70
09/17/14		10/21/14	Avenue C	Pipe fittings & pipe	\$ 228.98	HD Supply Water Works	\$ 228.98	\$ 974,094.72
09/19/14		10/21/14	Avenue C	Pipe fittings	\$ 34.08	HD Supply Water Works	\$ 34.08	\$ 974,060.64
09/17/14		10/21/14	Avenue C	Pipe	\$ 19.05	HD Supply Water Works	\$ 19.05	\$ 974,041.59
08/15/14		10/01/14	Clinton Street	Excavate and replace sewer main	\$ 21,520.98	Boyle & Fogarty Construction	\$ 21,520.98	\$ 952,520.61
08/08/14		10/21/14	Clinton Street	Pipe fittings	\$ 380.10	HD Supply Water Works	\$ 380.10	\$ 952,140.51
08/15/14		02/12/15	Clinton Street	Repair electric conduit	\$ 605.45	C&K Electric Company	\$ 605.45	\$ 951,535.06
08/25/14		09/15/14	East School Street	Road Cutting	\$ 887.50	Advanced Concrete Cutting LLC	\$ 887.50	\$ 950,647.56



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08/25/14		10/01/14	East School Street	Bi-pass pumping	\$ 9,100.00	After Hours Drain Service	\$ 9,100.00	\$ 941,547.56
08/31/14			East School Street	Road Paving	\$ 6,645.90	Hartford Paving Corp.	\$ 6,645.90	\$ 934,901.66
08/13/14		10/21/14	East School Street	Pipe fittings	\$ 5,910.51	HD Supply Water Works	\$ 5,910.51	\$ 928,991.15
08/13/14		10/21/14	East School Street	Pipe fittings	\$ 37.20	HD Supply Water Works	\$ 37.50	\$ 928,953.65
08/13/14		10/21/14	East School Street	Pipe fittings	\$ 113.12	HD Supply Water Works	\$ 113.12	\$ 928,840.53
08/29/14		10/21/14	East School Street	Excavate and replace sewer main	\$ 82,219.79	Boyle & Fogarty Construction	\$ 82,219.79	\$ 846,620.74
08/29/14		10/21/14	East School Street	Police Detail	\$ 4,939.00	Boyle & Fogarty Construction	\$ 4,939.00	\$ 841,681.74
08/04/14		09/12/14	Fourth Avenue	Pipe fittings	\$ 127.89	EJP	\$ 127.89	\$ 841,553.85
08/14/14			Fourth Avenue	Road paving	\$ 5,470.55	Hartford Paving Corp.	\$ 5,470.55	\$ 836,083.30
08/01/14		10/21/14	Fourth Avenue	Pipe fittings	\$ 1,161.01	HD Supply Water Works	\$ 1,161.01	\$ 834,922.29
08/15/14		10/01/14	Fourth Avenue	Excavate and replace sewer main	\$ 59,257.54	Boyle & Fogarty Construction	\$ 59,257.54	\$ 775,664.75
08/14/14		10/01/14	Rachel Street	Excavate and replace sewer main	\$ 84,806.30	Boyle & Fogarty Construction	\$ 84,806.30	\$ 690,858.45
		07/02/14	Rhodes Avenue	Road paving	\$ 3,504.00	Picolli Paving	\$ 3,504.00	\$ 687,354.45
10/21/14		10/21/14	Rivulet Street	Manhole repair	\$ 490.00	Boyle & Fogarty Construction	\$ 490.00	\$ 686,864.45
09/03/14		10/21/14	Social Street	Excavate and replace sewer main	\$ 9,361.55	Boyle & Fogarty Construction	\$ 9,361.55	\$ 677,502.90
08/31/14		09/12/14	Social Street	New sewer manhole	\$ 680.00	Jolley Precast, Inc.	\$ 680.00	\$ 676,822.90
02/12/15		02/12/15	Avenue C	New sewer manhole cover	\$ 171.36	Jolley Precast, Inc.	\$ 171.36	\$ 676,651.54
02/12/15		02/12/15	Avenue C	Pipe	\$ 75.26	EJP	\$ 75.26	\$ 676,576.28
02/12/15		02/12/15	Diamond Hill Road	Pipe fittings	\$ 36.66	HD Supply Water Works	\$ 36.66	\$ 676,539.62
02/12/15		02/12/15	Diamond Hill Road	Pipe	\$ 1,356.03	HD Supply Water Works	\$ 1,356.03	\$ 675,183.59
02/12/15		02/12/15	Diamond Hill Road	Excavate and replace sewer main	\$ 85,488.98	Boyle & Fogarty Construction	\$ 85,488.98	\$ 589,694.61
02/12/15		02/12/15	Diamond Hill Road	Concrete for chimney repairs	\$ 3,450.00	L&L Concrete Products	\$ 3,450.00	



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04/02/15		04/02/15		Concrete for manhole repairs	\$ 245.53	Lowes	\$ 245.53	\$ 589,449.08
	Pipe Segment Lining							
02/12/15		02/12/15	South Main Street	Segment pipe lining	\$ 2,375.00	Amethyst Environmental, Ltd	\$ 2,375.00	\$ 587,074.08
						Total Spent	\$ 519,165.45	



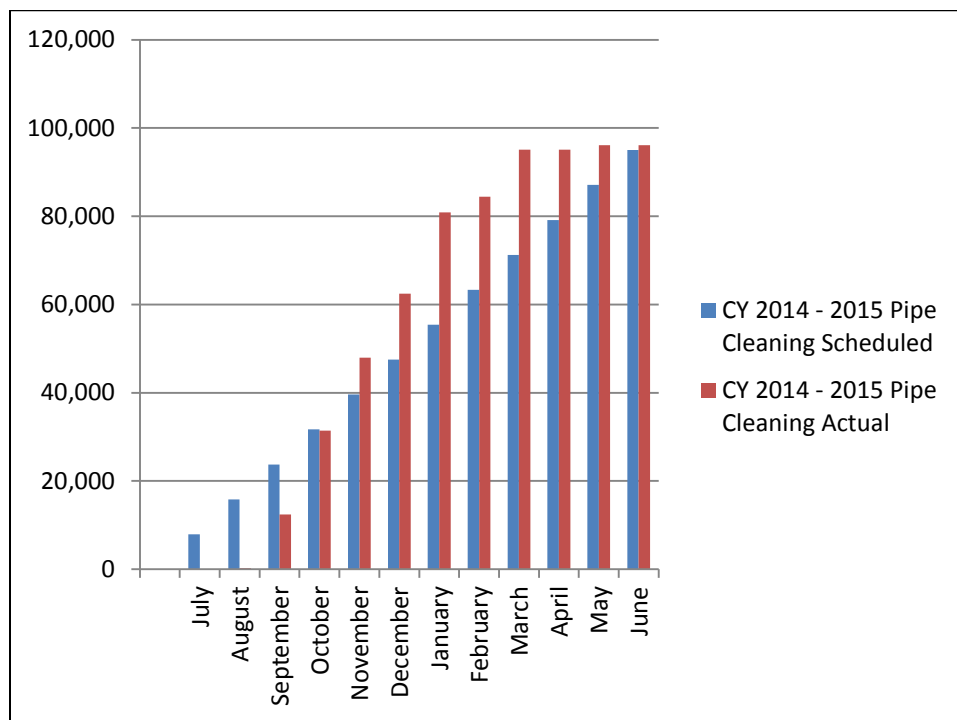
FY 14-15 Sanitary Sewer Collection System Annual Operating Report

I. Operations – Contract System Performance

A. Operating Statistics

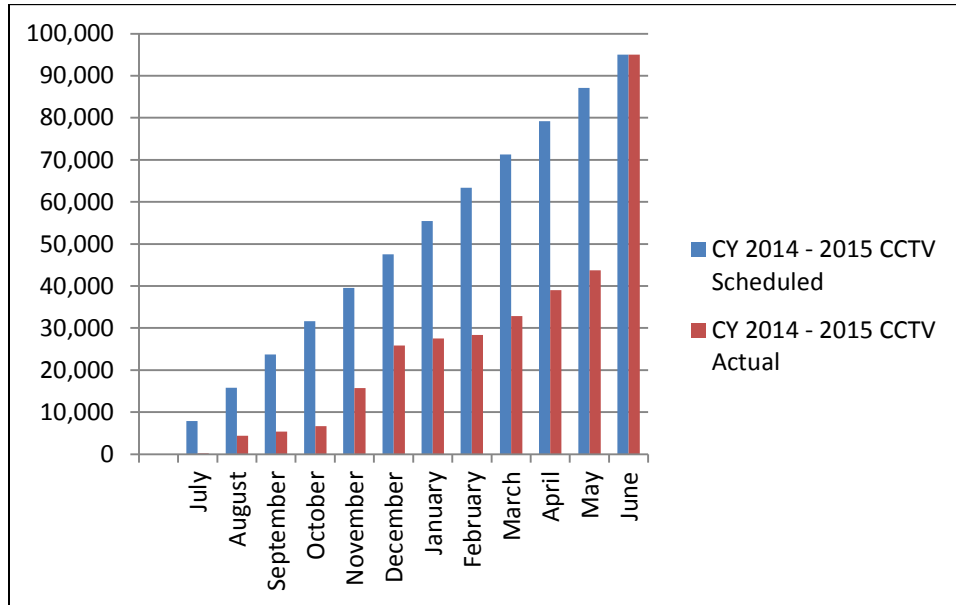
Base Obligation Pipe Cleaning

100% Complete



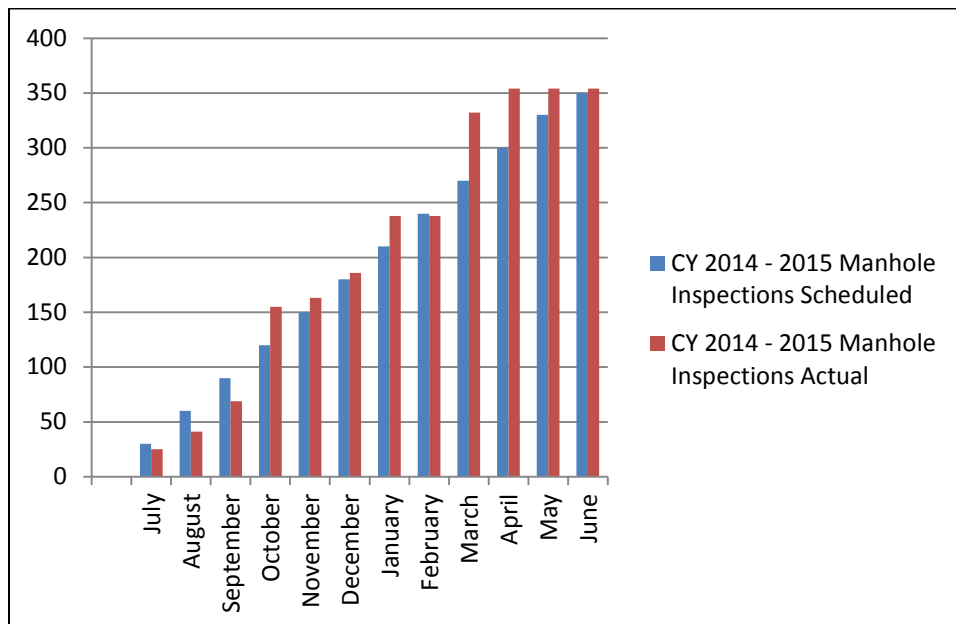
Base CCTV Obligation

100% Complete



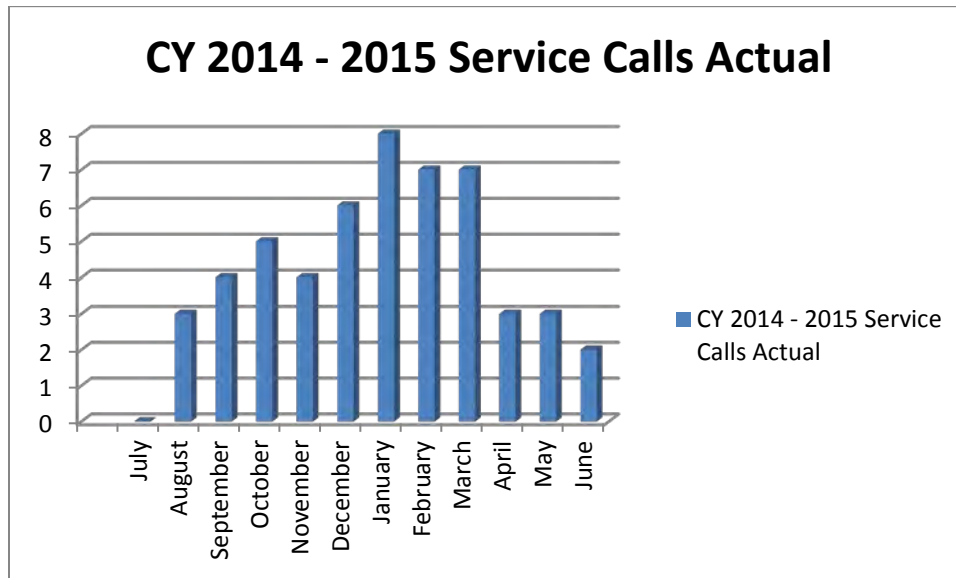
Base Manhole Inspection Obligation

100% Complete



Customer Complaints / Emergency Service Calls

52 Total Service Calls



B. Public Relations

1) Emergency Service Calls

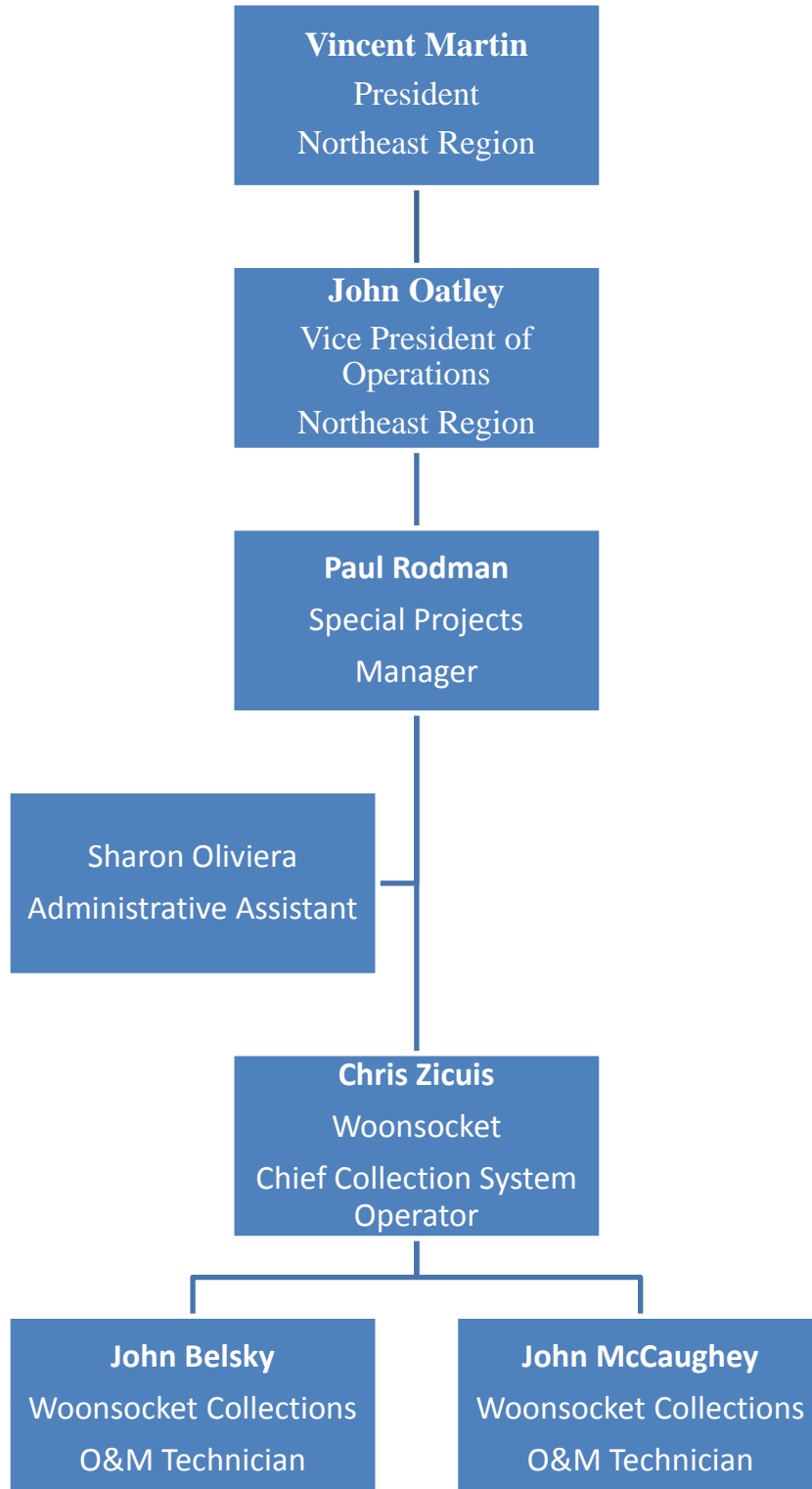
During FY 2014 – 2015 there were fifty two (52) recorded emergency service calls. Details of each call are followed below.

Date:	August 4, 2014
Caller:	Steven Thibault
Address:	344 Gauthier Drive
Phone number:	
Time called:	11:00 a.m.
Time inspected:	11:30 a.m.
Reason for complaint:	Odor
Result of complaint:	Broken force sewer main lateral
Overview:	

The home owner of 344 Gauthier Drive called and stated there has been a strong sewer odor over the past several days. Upon investigation the service lateral to the neighboring undeveloped lot was broken. Boyle and Fogarty Construction were brought in to excavate and repair the broken service lateral.



C. Staffing



D. Safety

There were zero (0) lost time accidents or incidents during FY 2014-2015.

E. NASSCO Certification Numbers

- Paul Rodman Jr. – U-708-7222
- Chris Zicuis – U-408-6826
- John McCaughey – U-214-06020394
- John Belsky – U-111-216555



F. Training

VNA 2015 Municipal Health, Safety, and Environmental Training Calendar		
Monthly Training		
	Topics	Comments
January	Hazard Communication* (training and annual review and certification of written program)	
February	Respiratory Protection Program* (training, annual review and certification of written program, medical examinations, and fit-tests)	Where Respiratory Protection Programs are required
	Personal Protective Equipment* (training and annual review and certification of written program)	
March	Electrical Safety (General Awareness)	
	Control of Hazardous Energy* (Lockout/Tagout) (training and annual review and certification of written program)	
April	Confined Space Program (Awareness Level)* (training and annual review and certification of written program)	For Confined Space Entrant, Attendant, and Supervisor level training contact your assigned H&S Director
	Preventing Heat Stress and Heat Exhaustion	
May	Preventing Sprains and Strains	
	Laboratory Chemical Hygiene Plan* (annual review, certification, and training)	Where Chemical Hygiene Plans are required
June	Good Housekeeping (including grounds maintenance, security, and waste management)	
	Introduction to First Aid and CPR	Where actual certification is desired or required contact your local Red Cross affiliate, fire department, or private training provider
July	Fire Extinguisher Use*	
	Emergency Action or Emergency Response Plan* (annual review, certification, and drill)	
August	Bloodborne Pathogens* (annual review, certification, and training)	
	Hot Work: Welding, Cutting and Brazing*	Where welding, cutting, and/or brazing activities are performed
September	Ergonomics	
	Excavation, Trenching & Shoring: Awareness Level	For actual excavation Competent Person training contact your assigned H&S Director
	Cold Stress and Driving in Inclement Weather	
October	Fall Protection	
	Crane Safety*	Where cranes are onsite
November	Protect Your Hearing*	
	Powered Industrial Trucks*	For PIT operator certification contact your equipment provider, private training provider, or assigned H&S Director
December	Hazardous Materials Awareness* (also review site-specific chemical handling procedures to include Standard Operating Procedures (SOPs), Process Safety Management Plans, Risk Management Plans, and Spill Prevention Control and Countermeasure (SPCC) Plans)	
	FEMA National Incident Management System (NIMS) online courses**	As required; see notes section below



II. Maintenance

G. Contract Obligation Progress Table

MONTH	TOTAL CLEANING	TOTAL CCTV	MANHOLE INSPECTIONS	MARKOUTS	REVIEW OF BUILDING PERMITS	INSPECTION OF NEW SERVICE CONNECTIONS
January-15	17,894.00	1,661.70	52	0	0	0
February-15	3,536.00	837.60	0	0	0	0
March-15	10,676.00	4,339.70	94	0	0	0
April-15	1,971.00	3,256.10	22	0	0	0
May-15	0	7,752.10	0	0	0	0
June-15	0.00	51,329.80	0	0	0	0
July-14	0.00	340.10	25	0	0	0
August-14	228.00	4,229.40	16	0	0	0
September-14	12,313.00	1,021.10	28	0	0	0
October-14	19,273.00	1,149.90	86	0	0	0
November-14	17,068.00	9,445.10	8	0	0	0
December-14	13,113.00	9,667.60	23	0	0	0
TOTAL TO DATE	96,072.00	95,030.20	354	0.00	0.00	0.00
CONTRACT OBLIGATION	95,000 FT	95,000 FT	350	10 HRS	30 HRS	30 HRS
TOTAL REMAINING	-1,072.00	-30.20	-4			
% COMPLETE	100%	100%	101%			



H. Customer Complaint and Monthly SSO Activity Table

MONTH	TOTAL COMPLAINTS	TOTAL SSO	TOTAL # OF MAINLINE SEWER BLOCKAGES	TOTAL # OF LATERAL BLOCKAGES	TOTAL # OF BASEMENT BACKUPS	TOTAL MAINLINE & BASEMENT BACKUPS	OTHER CUSTOMER COMPLAINT ISSUES	EMERGENCY REPAIRS
January-15	8	0	0	3	0	0	5	2
February-15	7	1	1	3	1	1	2	5
March-15	7	0	0	7	1	1	0	0
April-15	3	0	1	1	0	0	1	4
May-15	3	0	0	2	0	0	1	0
June-15	2	0	0	1	0	0	1	0
July-14	0	0	0	0	0	0	0	0
August-14	3	0	1	0	0	0	1	1
September-14	4	0	0	1	0	0	3	2
October-14	5	0	0	2	0	0	3	0
November-14	4	0	1	1	0	0	2	0
December-14	6	2	0	4	0	0	2	0
TOTAL TO DATE	52	3	4	25	2	2	21	14

I. Other Reporting Statistics Table

MONTH	TOTAL PIPE REPAIRS	TOTAL I/I REMOVED (GPD)	DEBRIS REMOVED (TONS)	JETTED STORM DRAINS IN (FT)	SMOKE TESTING (FT)	DYE TESTS	REPLACED MANHOLE COVERS
January-15	0	0	9.33	0	0	0	4
February-15	0	0	1.14	0	0	0	5
March-15	0	0	6.23	0	0	0	0
April-15	0	0	3.12	0	0	0	4
May-15	0	0	0	0	0	0	1
June-15	0	0	0	0	0	0	0
July-14	2	0	0	0	0	0	2
August-14	5	16,615	5.97	0	0	4	0
September-14	4	14,400	1.55	0	0	0	0
October-14	1	0	0	200	0	0	0
November-14	0	0	0	0	0	0	0
December-14	0	0	0	0	0	0	0
TOTAL TO DATE	12	31,015	27.34	200	0	4	16



J. Significant Operations and Maintenance Problems (HOT SPOTS)

After the sixth year of conducting the preventive maintenance program throughout the Woonsocket Sanitary Sewer Collection System the current “HOT SPOT” list with the cleaning frequency can be found in **Table 4. HOT SPOTS** below

Table 4. HOT SPOTS

List of “HOT SPOTS”	Cleaning Frequency	Reason
Cumberland Street Siphon	Weekly	Grease build up
Gaulin Avenue	Weekly	Grease build up
Wagon Wheel Road	Weekly	Structural damage
Intersection of Transit Street & Front Street	Weekly	Grease build up
Marie Ann Court	Weekly	Grease build up
East Orchard Street	Quarterly	Grease build up
Fairmount Projects Streets	6 Months	Grease build up
Morin Heights Project Streets	6 Months	Grease build up
Havelock Siphon	6 Months	Grease build up
Singleton Street Siphon	6 Months	Grease build up
Diamond Hill Siphon	6 Months	Grease build up

In 2014-2015 there were two (2) locations removed from the “HOT SPOTS” list. Both locations were part of the weekly cleaning frequency and were there as a result of structural damage. The two locations were Rachel Street and Social Street. These two locations were repaired out of the Capital Improvement fund and both required excavation and replacement of the original sewer mains.



K. Recommendations for Underground Repair and Replacement (Capital)

The following table identifies the capital repairs that Veolia Asset Management Group is submitting for repair in FY 15-16.

Proposed Capital Repair FY 14-15	Price
Cure-in-Place Lining	\$39,700.00
Following projects have estimate prices	
Dig and replace 10' of sewer main on Mt. St. Charles Avenue	\$6,000.00
Dig and replace 75' of sewer main on St. Francis Street	\$6,000.00
Dig and Replace entire section of main on Knight Street	\$30,000.00
Dig and replace entire segment of main on Rose Avenue	\$35,000.00
Dig and Replace 6' of sewer main on Cumberland Street	\$15,000.00
Dig and Replace 6' of sewer main on Williams Street	\$6,000.00
Dig and replace entire segment of main on Walnut Hill Road	\$25,000.00
Dig and replace entire segment of main on Knollwood Drive	\$30,000.00
Dig and replace entire segment of main on Grandview Avenue	\$15,000.00
Dig and replace 15' of sewer main on Grandview Avenue	\$20,000.00
Dig and replace 10' of sewer main of Grandview Avenue	\$15,000.00
Dig and replace 8' of sewer main on Rustic Drive	\$6,000.00
Total	\$248,700.00

L. Capital Modification Projects

During FY 2014 – 2015 the Veolia Woonsocket Collections Department completed nine (9) projects as capital modification projects. Seven (7) of the nine (9) projects involved excavating and replacing the existing sewer main due to significant structural damage. The seven locations were as follows; Social Street (HOT SPOT), Diamond Hill Road, Avenue C, Clinton Street, East School Street, Fourth Avenue, Rachel Street (HOT SPOT). The eighth (8th) repair was a manhole invert repair to the HOT SPOT on Rivulet Street. The ninth (9th) and final capital repair was spray lining two manholes on South Main Street. The table shows each repair and the cost of each project.



Project	Cost
Avenue C – Sewer main replacement, 4 pipe segments	\$128,994.56
Clinton Street – Sewer main replacement, 1 pipe segment replaced	\$22,506.53
Diamond Hill Road – Repair damaged sections of sewer main	\$90,331.67
East School Street – Sewer main replacement, 1 pipe segment	\$109,853.32
Fourth Avenue – Sewer main replacement, 1 pipe segment	\$66,016.99
Rachel Street – Sewer main replacement, 2 pipe segments	\$84,806.30
Rivulet Street – Repair manhole invert	\$490.00
Social Street – Repair manhole invert and install new manhole on dead end pipe	\$10,041.55
South Main Street – Spray line two manholes	\$2,375.00
Total	\$515,415.92

M. Table of Completed Flow Zones

Within the Woonsocket Sanitary Sewer Collection System there are 36 flow zones which were broken down and identified in a flow metering study performed and completed by CDM in 2007. The following table references the individual zone and the percent complete of the cleaning and investigation process and the total footage of public assets. Table can be found on the following page.



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CCTV Inspection & Pipe Cleaning				Manhole Inspections	
Drainage Code	Flow Zone Total Length (ft)	CCTV Percent Complete	Pipe Cleaning Percent Complete	Count	Manhole Inspections Percent Complete
DH-01	14746.58	0%	2%	66	0%
HL-01	20546.88	0%	3%	123	0%
HL-02	42000.66	7%	0%	230	0%
HL-03	29612.16	0%	0%	185	0%
HL-04	9634.26	0%	0%	45	0%
HL-05	19972.43	0%	0%	116	0%
HL-06	30533.19	0%	1%	163	8%
IP-01	5627.65	0%	5%	27	0%
IP-02	15973.31	61%	0%	60	0%
IP-03	13012.22	0%	0%	66	0%
IP-04	7699.12	0%	0%	39	0%
LL-01	2734.24	0%	0%	12	42%
LL-02	12154.4	0%	0%	72	0%
LL-03	12333.04	0%	0%	90	99%
LL-04	11264.85	0%	0%	71	31%
LL-05	13259.22	3%	3%	103	80%
LL-06	36884.21	1%	1%	234	1%
LL-07	15556.88	1%	0%	107	4%
LL-08	9879.36	0%	0%	69	0%
LL-09	18415.36	0%	0%	93	0%
LL-10	7519.54	90%	100%	38	3%
LL-11	14143.44	0%	0%	99	13%
LL-12	3470.8	0%	77%	26	0%
LL-13	3961.51	0%	7%	29	62%
LL-14	8042.04	0%	53%	46	24%
LL-15	13582.34	65%	84%	76	1%
LL-16	20305.08	73%	100%	111	0%
LL-17	3303.08	0%	0%	29	97%
LL-18	23448.2	78%	1%	132	0%
LL-19	12243.66	0%	67%	70	1%
LL-20	15555.54	0%	0%	85	25%
LL-21	37565.07	90%	100%	218	6%
LL-22A	30710.53	0%	0%	191	3%
LL-22B	5879.75	0%	0%	36	6%
MR-01	28433.73	8%	0%	139	14%
MR-01A	5628.7	15%	0%	32	0%



III. Regulatory Correspondence

During FY 14-15 there were zero (0) sanitary sewer overflows to report to regulatory agencies.

IV. Accounting

Preventative Maintenance and Corrective Repairs Tracking Spread Sheet

Veolia Water Woonsocket Collection System
Preventative Maintenance and Corrective Repairs Balance Sheet

Date of Work	Type of Work	Repair Location	Total Approved	Vendor	Total Completed	Amount	Fund Balance
				FY 13 Carryover			\$ 536,813.12
				FY 14 per Contract			\$ 320,604.06
				Total			\$ 857,417.18
	Structural (CIP)						
07/01/13		Grand Street 3379-3375 H @ 303'	\$ 1,800.00	VWNA	1	\$ 1,800.00	\$ 855,617.18
07/01/13		Hollis Street 4140-4141 B/FL @ 59'	\$ 2,000.00	VWNA	1	\$ 2,000.00	\$ 853,617.18
07/08/13		Cottage Court 3054-3050 BVV @ 16'	\$ 1,800.00	VWNA	1	\$ 1,800.00	\$ 851,817.18
07/08/13		Berard Avenue 2213-2212 B 91'	\$ 1,800.00	VWNA	1	\$ 1,800.00	\$ 850,017.18
07/02/13		Annette Avenue 4170-4171 B 105'	\$ 1,800.00	VWNA	1	\$ 1,800.00	\$ 848,217.18
07/02/13		Vose Street 3369-3371 B 23'	\$ 1,700.00	VWNA	1	\$ 1,700.00	\$ 846,517.18
07/09/13		Coolidge Avenue 2418-2407 H @ 10'	\$ 1,700.00	VWNA	1	\$ 1,700.00	\$ 844,817.18
07/09/13		Laurier Street 545-544 FM @ 131'	\$ 1,800.00	VWNA	1	\$ 1,800.00	\$ 843,017.18
08/12/13		Maple St. 1871-1872 FM 27'	\$ 1,700.00	VWNA	1	\$ 1,700.00	\$ 841,317.18
08/19/13		Temple St. 3793-3416 BSV 202'	\$ 1,700.00	VWNA	1	\$ 1,700.00	\$ 839,617.18
08/29/13		Carrington Ave 1879-1880 B,H,FM 112'	\$ 2,000.00	VWNA	1	\$ 2,000.00	\$ 837,617.18
09/11/13		CVS Drive 2524-2522 B 8'	\$ 2,400.00	VWNA	1	\$ 2,400.00	\$ 835,217.18
09/18/13		Progresso Ave 4623-4622 FL 206' - 216'	\$ 4,000.00	VWNA	1	\$ 4,000.00	\$ 831,217.18
09/19/13		Kendrick St. 4336-4352 FM 169-179	\$ 4,000.00	VWNA	1	\$ 4,000.00	\$ 827,217.18



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09/25/13		Poplar St. 539 -1975 BSV 267'	\$ 1,800.00	VWNA	1	\$ 1,800.00	\$ 825,417.18
09/26/13		Wood Ave 4657-4655 BSV 170'	\$ 1,800.00	VWNA	1	\$ 1,800.00	\$ 823,617.18
10/08/13		East School St. 83-84 FM&B 108-116	\$ 2,900.00	VWNA	1	\$ 2,900.00	\$ 820,717.18
10/22/13		Kendrick St. 4336-4352 FM 205-210	\$ 2,000.00	VWNA	1	\$ 2,000.00	\$ 818,717.18
10/22/13		Bernon Street 2541- 2542 BSV 196	\$ 1,800.00	VWNA	1	\$ 1,800.00	\$ 816,917.18
10/29/13		Winter St 3405-3411 FM 27'-35'	\$ 2,400.00	VWNA	1	\$ 2,400.00	\$ 814,517.18
10/30/13		Davison St 418 - 1759 RPP 22'	\$ 2,000.00	VWNA	1	\$ 2,000.00	\$ 812,517.18
10/31/13		Hamlet Ave 683-1779 FM 9'-10'	\$ 1,700.00	VWNA	1	\$ 1,700.00	\$ 810,817.18
	Infiltration (CIP)						
08/13/13		Maple St. 1861-1875 IR 60'	\$ 1,700.00	VWNA	1	\$ 1,700.00	\$ 809,117.18
08/14/13		Maple St. 1861-1875 IR 104'	\$ 1,700.00	VWNA	1	\$ 1,700.00	\$ 807,417.18
08/15/13		Maple St. 1861-1875 IR 96'	\$ 1,700.00	VWNA	1	\$ 1,700.00	\$ 805,717.18
10/28/13		Maple St. 1874-1871 IR 2'	\$ 1,700.00	VWNA	1	\$ 1,700.00	\$ 804,017.18
10/28/13		Maple St 1875-674 IR 129'	\$ 1,700.00	VWNA	1	\$ 1,700.00	\$ 802,317.18
10/29/13		Maple St 1875-674 IR123'	\$ 1,700.00	VWNA	1	\$ 1,700.00	\$ 800,617.18
11/08/13		Elder Ballou 4361-4360 IG 37'	\$ 1,700.00	VWNA	1	\$ 1,700.00	\$ 798,917.18
11/09/13		Elder Ballou 4361-4360 IG 72'	\$ 1,700.00	VWNA	1	\$ 1,700.00	\$ 797,217.18
	Manhole Repair						
09/01/13		Gaskill St Manhole Repair		VWNA	1	\$ 163.81	\$ 797,053.37
01/15/14		Gaskill St. Manhole Repair		VWNA	1	\$ 102.72	\$ 796,950.65
01/24/14		Concrete & cold patch for manhole repairs		VWNA	1	\$ 131.17	\$ 796,819.48
01/27/14		Concrete & cold patch for manhole repairs		VWNA	1	\$ 318.00	\$ 796,501.48
01/29/14		Concrete & cold patch for manhole repairs		VWNA	1	\$ 1,055.70	\$ 795,445.78
	Flow Metering						
3/9 - 6/23		Flow meter study 3/9/14 - 6/23/14		VWNA	14 weeks	\$ 18,935.00	\$ 776,510.78
				Total Spent		\$ 80,906.40	



