

MINUTES OF THE BOARD OF PUBLIC WORKS
Tuesday, August 9, 2016

The Regular Meeting of the Board of Public Works was held on Tuesday, July 12, 2016 at 7:30 p.m. in the City Council Chambers located at 405 Jefferson Street, Washington, Missouri. The following were present/absent:

MEMBERS:

Chairman	Kurt Voss	Present
Member	John Vietmeier	Present
Member	Brad Mitchell	Present
Member	Mike Radetic	Present
Ex-officio Member		

OTHERS:

Council Representative	Jeff Mohesky	Absent
Council Representative	Josh Brinker	Absent
Council Representative	Steve Sullentrup	Absent
Council Representative	Greg Skornia	Absent
Mayor	Sandy Lucy	Absent
City Administrator	James A. Briggs	Present
Public Works Director	Brian Boehmer	Absent
Water/Wastewater Superintendent	Kevin Quaethem	Present
Water/Wastewater Secretary	Beverly Hoyt	Present
City Engineer	John Nilges	Present
Assistant City Engineer	Andrea Lueken	Absent
Fire Chief/Emergency Management Director	Bill Halmich	Absent

Originals and/or copies of agenda items of the meeting, including recorded votes are available on record in the office of the Public Works Department for one year. Video/DVD and audio tapes are kept only until the minutes have been approved for the meeting. DVD copies of this meeting are distributed to Board Members if requested.

A motion was made by Mr. Mitchell and seconded by Mr. Radetic to approve the minutes from the regular July 12, 2016 meeting. The motion passed without dissent.

Wastewater

Memo was presented to Board for Slip Lining to be done by Insituform Technologies in the amount of \$150,000.00. We are only doing 8" an above. The life span is 20 plus years for lined pipes. If done too many times you would lose some of the flow from the pipe as space will be

lost the more times lined. A lot of the 6" lines can't be lined – a long term plan to replace these needs to be looked at in the near future. For the time being we have the 6" on routines where they are cleaned once a month and some on quarterly basis. The Board feels we should have a list of projects prepared of the 6" lines to present during budget. A motion was made by Mr. Mitchell to approve and second by Mr. Radetic. Motion passed without dissent.

Approval is needed for a new vehicle and truck equipment for the wastewater foreman. Lou Fusz was the low bidder. This would be to replace the one-ton the wastewater foreman has at this time. This will be adding a crane to the new truck that would help with the lift stations. Other departments would be able to use this equipment if they need, this would benefit other department as well as the wastewater. Local maintenance if need could be done at a local dodge dealership. A motion was made by Mr. Mitchell to approve and second by Mr. Vietmeier. Motion passed without dissent.

Water - Chlorination System

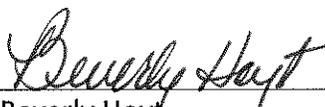
We received approval for our permanent chlorination equipment from the DNR, they approved the design and build. Vents are in, this project is 100% installed and up and running.

Next Scheduled Meeting Date:

The next scheduled meeting date is September 13, 2016.

Adjourn:

There being no further business the meeting adjourned on a motion by Mr. Vietmeier and second by Mr. Mitchell. All in favor aye, those oppose. We are adjourned.

Prepared by: 
Beverly Hoyt
Water/Wastewater Secretary

Adopted and Approved By the Board of Public Works:

Date: _____ Signature: _____
Secretary

Memo

To: Board of Public Works
From: Kevin Quaethem, Water and Wastewater Superintendent
Date: 8/19/2016
Re: Hydraulic Study - Donohue & Associates, Inc. - Pay Request 12 and 13

Attached are pay requests 12, and 13 for a total amount of \$5,220.00 from Donohue & Associates, Inc. for the Performance Contract Agreement for the City of Washington Donohue Project. Payment is recommended and the status is summarized below:

<u>Description</u>	<u>Contract Amount</u>
Contract Amount	\$58,000.00
Current Change Order	\$0.00
	<hr/>
	\$58,000.00
Previous Pay Request #1	\$9,860.00
Previous Pay Request #2	\$4,640.00
Previous Pay Request #3	\$2,900.00
Previous Pay Request #4	\$3,480.00
Previous Pay Request #5	\$5,220.00
Previous Pay Request #6	\$6,380.00
Previous Pay Request #7	\$2,030.00
Previous Pay Request #8	\$4,640.00
Previous Pay Request #9	\$2,610.00
Previous Pay Request #10	\$1,740.00
Previous Pay Request #11	\$2,900.00
Partial Pay Request #12	\$3,770.00
	\$50,170.00
Partial Pay Request #13	\$1,450.00
	\$51,620.00
Balance of Contract	\$6,380.00

Approved by: _____ Date: _____
 Kurt Voss, Board of Public Works Chairman

INVOICE



1415 Elbridge Payne Rd., Suite 165
Chesterfield, MO 63017
Phone: 636-536-7042
www.donohue-associates.com

Invoice To:
City of Washington
Attn: Kevin Quaethem
405 Jefferson Street
Washington, MO 63090

Invoice Date: May 26, 2016
Donohue Project No.: 12725
Invoice No: 12725-12
Project Manager: Al Callier
Terms: Net 30 Days
Billing Period: 04/24/16 - 05/21/16

Project Description: Hydraulic Study

Your Authorization: Engineering Services Agreement, Signed 07/01/14

Compensation: Lump Sum \$ 58,000.00

Billing Summary:

<u>Current Charges</u>	
Percent Complete	86.5%
Fee Earned	\$ 50,170.00
Charges Previously Billed	\$ 46,400.00
Total	\$ 3,770.00
Current Charges Due	\$ 3,770.00

Please Remit to:

Donohue & Associates, Inc.
3311 Weeden Creek Road
Sheboygan, WI 53081
Phone: 920-208-0296
Fax: 920-208-0402

<u>Aged Receivables</u>				
<u>Current</u>	<u>31 - 60 Days</u>	<u>61 - 90 Days</u>	<u>91 - 120 days</u>	<u>≥120 days</u>
\$3,770.00	\$2,900.00	\$0.00	\$0.00	\$4,640.00

INVOICE



1415 Elbridge Payne Rd., Suite 165
Chesterfield, MO 63017
Phone: 636-536-7042
www.donohue-associates.com

Invoice To:	Invoice Date:	June 24, 2016
City of Washington	Donohue Project No.:	12725
Attn: Kevin Quaethem	Invoice No:	12725-13
405 Jefferson Street	Project Manager:	Al Callier
Washington, MO 63090	Terms:	Net 30 Days
	Billing Period:	05/22/16 - 06/18/16

Project Description: Hydraulic Study
Your Authorization: Engineering Services Agreement, Signed 07/01/14

Compensation: Lump Sum \$ 58,000.00

Billing Summary:	Current Charges	
	Percent Complete	89.0%
	Fee Earned	\$ 51,620.00
	Charges Previously Billed	\$ 50,170.00
	Total	\$ 1,450.00
	Current Charges Due	\$ 1,450.00

Please Remit to: Donohue & Associates, Inc.
3311 Weeden Creek Road
Sheboygan, WI 53081
Phone: 920-208-0296
Fax: 920-208-0402

Aged Receivables				
<u>Current</u>	<u>31 - 60 Days</u>	<u>61 - 90 Days</u>	<u>91 - 120 days</u>	<u>>120 days</u>
\$1,450.00	\$3,770.00	\$0.00	\$0.00	\$4,640.00



CITY OF WASHINGTON, MISSOURI

Public Works - Water and Wastewater Departments
405 Jefferson Street - Washington, MO 63090
Phone (636) 390-1030 · Fax (636) 390-1038

FINAL PAY REQUEST

NAME OF PROJECT: Hydraulic Study
OWNER: City of Washington, Missouri
CONTRACTOR: Donohue & Associates, Inc.

Staff recommends acceptance of the final pay request from Donohue & Associates, Inc. by the Board of Public Works

Description	Amount
Final Pay Request Amount	\$6,380.00

THE CONTRACT SUMMARY FOLLOWS:

Original Design Contract Price	\$58,000.00
Previous Pay Requests	\$51,620.00
	<u>\$6,380.00</u>
Final Pay Request	\$6,380.00
Balance of Contract	<u>\$0.00</u>

Approved by the Board of Public Works:

_____ Date: _____
Kurt Voss, Board of Public Works Chairman



Donohue & Associates, Inc.
1415 Elbridge Payne Road, Suite 165 | Chesterfield, MO 63017
636.536.7042 | donohue-associates.com

August 5, 2016

Mr. Kevin Quaethem
City of Washington
405 Jefferson Street
Washington, MO 63090

Re: Hydraulic Study
Invoice 12725-1~~4~~

Dear Kevin:

Please find enclosed invoice No. 12725-1~~4~~ for work performed on the above referenced project. This invoice covers the work from June 23, 2016 through July 23, 2016. The work completed includes the finalizing of the report, presentation before the Public Works Committee, and the staff training.

Should you have any questions regarding this invoice or the work completed, please do not hesitate to contact me at (636) 536-7042.

Sincerely,

A handwritten signature in cursive script that reads 'Alan Callier'.

Alan Callier, PE
Office Manager

Enclosures: As noted

INVOICE



1415 Elbridge Payne Rd., Suite 165
Chesterfield, MO 63017
Phone: 636-536-7042
www.donohue-associates.com

Invoice To:
City of Washington
Attn: Kevin Quaethem
405 Jefferson Street
Washington, MO 63090

Invoice Date: July 29, 2016
Donohue Project No.: 12725
Invoice No: 12725-1~~4~~ - Final
Project Manager: Al Callier
Terms: Net 30 Days
Billing Period: 06/19/16 - 07/23/16

Project Description: Hydraulic Study

Your Authorization: Engineering Services Agreement, Signed 07/01/14

Compensation: Lump Sum \$ 58,000.00

Billing Summary:

Current Charges

Percent Complete 100.0%
Fee Earned \$ 58,000.00

Charges Previously Billed \$ 51,620.00

Total \$ **6,380.00**

Current Charges Due \$ **6,380.00**

Please Remit to:

Donohue & Associates, Inc.
3311 Weeden Creek Road
Sheboygan, WI 53081
Phone: 920-208-0296
Fax: 920-208-0402

<u>Aged Receivables</u>				
<u>Current</u>	<u>31 - 60 Days</u>	<u>61 - 90 Days</u>	<u>91 - 120 days</u>	<u>>120 days</u>
\$6,380.00	\$1,450.00	\$3,770.00	\$0.00	\$0.00

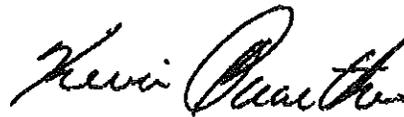
Memo

To: Board of Public Works
From: Kevin Quaethem
Date: 9/12/2016
Re: Approval for Coating of 15 Manholes

Public Works is requesting the approval to proceed with the coating of 15 manholes within the City. We received bids from Visu-Sewer, Hogan's and Utility Solutions. Visu-Sewer was the only company that made a site visit prior to bidding. Only two bidders responded with pricing and Hogan's bid is the lowest.

Bids were received from the following:

Visu-Sewer	\$19,219.20
Hogan's Paining & Sandblasting	\$18,300.00
Utility Solutions, LLC	Site Supervisor did not want to look at each manhole





	Original Total Budget	Current Total Budget	Period Activity	Fiscal Activity	Variance Favorable (Unfavorable)	Percent Remaining
Fund: 400 - WATER FUND						
Revenue						
400-35-000-450600	Penalties/Interest Chgs.	22,000.00	22,000.00	2,691.29	20,927.39	-1,072.61 4.88 %
400-35-000-450900	Revenues-All Other	15,000.00	15,000.00	1,342.25	26,189.43	11,189.43 174.60 %
400-35-000-453100	Water Sales	1,430,000.00	1,430,000.00	131,002.80	1,252,825.45	-177,174.55 12.39 %
400-35-000-453200	Water Meter Sales	10,000.00	10,000.00	1,950.84	13,772.90	3,772.90 137.73 %
400-35-000-453500	Connection Charges	15,000.00	15,000.00	750.00	7,100.00	-7,900.00 52.67 %
400-35-000-453550	Tap Charges	500.00	500.00	0.00	125.00	-375.00 75.00 %
400-35-000-453600	Labor & Equipment Charges	500.00	500.00	0.00	3,164.05	2,664.05 632.81 %
400-35-000-453700	Miscellaneous Materials Sold	10,000.00	10,000.00	0.00	5,008.24	-4,991.76 49.92 %
400-35-000-461200	Rent/Lease-Municipal Property/Bul	53,460.00	53,460.00	2,147.07	52,036.56	-1,423.44 2.66 %
400-35-000-480000	Investment Income	3,000.00	3,000.00	0.00	6,923.80	3,923.80 230.79 %
400-35-000-480100	Investment Income-notes	3,300.00	3,300.00	0.00	2,515.85	-784.15 23.76 %
	Revenue Total:	1,562,760.00	1,562,760.00	139,884.25	1,390,588.67	-172,171.33 11.02 %
Expense						
400-35-000-510100	Salaries/Wages-Regular	362,910.00	362,910.00	27,367.91	319,379.70	43,530.30 11.99 %
400-35-000-510150	Elected Board Officials Compensati	200.00	200.00	0.00	200.00	0.00 0.00 %
400-35-000-510200	Wages-Part Time/Permanent	5,100.00	5,100.00	0.00	0.00	5,100.00 100.00 %
400-35-000-510300	Salaries/Wages-Overtime	8,360.00	8,360.00	657.22	13,580.91	-5,220.91 -62.45 %
400-35-000-511100	FICA Taxes	28,810.00	28,810.00	2,021.54	24,216.90	4,593.10 15.94 %
400-35-000-511300	Health Insurance	92,110.00	92,110.00	7,332.58	77,287.39	14,822.61 16.09 %
400-35-000-511400	Dental Insurance	6,620.00	6,620.00	471.80	5,086.63	1,533.37 23.16 %
400-35-000-511600	Life Insurance	730.00	730.00	60.21	572.15	157.85 21.62 %
400-35-000-511700	LAGERS Retirement Plan	40,100.00	40,100.00	2,909.44	34,885.76	5,214.24 13.00 %
400-35-000-512601	Tuition Reimbursement	2,500.00	2,500.00	0.00	0.00	2,500.00 100.00 %
400-35-000-512605	Employee Incentive Program	300.00	300.00	0.00	193.18	106.82 35.61 %
400-35-000-512700	HRA Deductible	22,500.00	22,500.00	0.00	13,077.00	9,423.00 41.88 %
400-35-000-512701	HRA Administration Fee	490.00	490.00	0.00	0.00	490.00 100.00 %
400-35-000-520250	Administration, Finance & IT Depar	151,810.00	151,810.00	0.00	126,508.40	25,301.60 16.67 %
400-35-000-520300	Technical Services	10,400.00	10,400.00	3,415.15	26,299.33	-15,899.33 -152.88 %
400-35-000-520400	Other Contracted Services	80,000.00	80,000.00	2,243.43	49,772.36	30,227.64 37.78 %
400-35-000-521540	Uniform Cleaning Service	2,000.00	2,000.00	223.32	1,664.48	335.52 16.78 %
400-35-000-521560	Building Repair & Maintenance	10,000.00	10,000.00	33.50	294.50	9,705.50 97.06 %
400-35-000-521620	Equipment Repair & Maintenance	12,000.00	12,000.00	1,386.43	4,335.32	7,664.68 63.87 %
400-35-000-521630	Vehicle Repair & Maintenance	7,500.00	7,500.00	966.52	6,401.96	1,098.04 14.64 %
400-35-000-521635	Water System Repair & Maintenan	10,000.00	10,000.00	0.00	0.00	10,000.00 100.00 %
400-35-000-521636	Well Pump Repair & Maintenance	40,000.00	40,000.00	0.00	0.00	40,000.00 100.00 %
400-35-000-521640	Equipment Rental	1,000.00	1,000.00	38.82	995.28	4.72 0.47 %
400-35-000-522100	Advertising	200.00	200.00	0.00	0.00	200.00 100.00 %
400-35-000-522200	Property, Liability & Casualty Insur	34,610.00	34,610.00	9.80	30,936.92	3,673.08 10.61 %
400-35-000-522210	Self-Insurance Deductible	0.00	0.00	0.00	690.88	-690.88 0.00 %
400-35-000-522300	Printing/Duplicating	1,300.00	1,300.00	0.00	998.46	301.54 23.20 %
400-35-000-522400	Telephone	8,000.00	8,000.00	427.01	5,975.10	2,024.90 25.31 %
400-35-000-522410	Telephone-Alarm Control	4,500.00	4,500.00	425.34	4,253.40	246.60 5.48 %
400-35-000-522500	Training/Seminars	1,400.00	1,400.00	0.00	1,274.75	125.25 8.95 %
400-35-000-522600	Travel	1,200.00	1,200.00	0.00	718.15	481.85 40.15 %
400-35-000-522700	Professional Dues & Memberships	2,050.00	2,050.00	0.00	782.00	1,268.00 61.85 %
400-35-000-522900	Postage	12,000.00	12,000.00	799.92	10,618.36	1,381.64 11.51 %
400-35-000-522950	Credit Card Fees	4,400.00	4,400.00	0.00	4,921.70	-521.70 -11.86 %
400-35-000-530410	Parts-Vehicle	2,000.00	2,000.00	124.33	1,425.03	574.97 28.75 %
400-35-000-530415	Parts-Equipment	2,000.00	2,000.00	553.99	2,653.21	-653.21 -32.66 %
400-35-000-530420	Offices Supplies	1,200.00	1,200.00	25.16	453.31	746.69 62.22 %

Budget Report

For Fiscal: 2015-2016 Period Ending: 08/31/2016

		Original Total Budget	Current Total Budget	Period Activity	Fiscal Activity	Variance Favorable (Unfavorable)	Percent Remaining
<u>400-35-000-530500</u>	Asphalt/Rock/Cement	15,000.00	15,000.00	483.49	20,707.75	-5,707.75	-38.05 %
<u>400-35-000-530600</u>	Straw/Seeding/Plants	500.00	500.00	13.50	616.06	-116.06	-23.21 %
<u>400-35-000-530800</u>	General Supplies	7,000.00	7,000.00	2,383.78	26,610.94	-19,610.94	-280.16 %
<u>400-35-000-530900</u>	Employee Appreciation Cost	1,500.00	1,500.00	0.00	1,739.40	-239.40	-15.96 %
<u>400-35-000-531110</u>	Electricity	150,000.00	150,000.00	20,779.29	131,959.13	18,040.87	12.03 %
<u>400-35-000-531120</u>	Heating Fuel	1,500.00	1,500.00	8.94	999.79	500.21	33.35 %
<u>400-35-000-531300</u>	Gasoline & Oil	22,000.00	22,000.00	0.00	10,208.29	11,791.71	53.60 %
<u>400-35-000-532100</u>	Meters & Hydrants	25,000.00	25,000.00	1,218.47	20,030.10	4,969.90	19.88 %
<u>400-35-000-532200</u>	Pipe & Fittings	22,000.00	22,000.00	1,285.80	25,770.13	-3,770.13	-17.14 %
<u>400-35-000-534100</u>	Depreciation Expense	385,000.00	385,000.00	0.00	0.00	385,000.00	100.00 %
<u>400-35-000-534200</u>	Small Tools/Equipment/Furnishings	29,650.00	29,650.00	1,022.32	16,536.97	13,113.03	44.23 %
<u>400-35-000-540200</u>	Buildings	220,000.00	220,000.00	0.00	0.00	220,000.00	100.00 %
<u>400-35-000-541100</u>	Improvements Other Than Building	0.00	0.00	392.10	392.10	-392.10	0.00 %
<u>400-35-000-541110</u>	Water System Improvements	168,000.00	168,000.00	0.00	111,344.80	56,655.20	33.72 %
<u>400-35-000-542100</u>	Vehicles	31,000.00	31,000.00	0.00	0.00	31,000.00	100.00 %
<u>400-35-000-559100</u>	Bad Debts Expense	0.00	0.00	0.00	3,843.87	-3,843.87	0.00 %
<u>400-35-000-559200</u>	Bond/Note Principal	121,200.00	121,200.00	0.00	0.00	121,200.00	100.00 %
<u>400-35-090-559110</u>	Interest Expense	129,140.00	129,140.00	0.00	0.00	129,140.00	100.00 %
	Expense Total:	2,298,790.00	2,298,790.00	79,081.11	1,141,211.85	1,157,578.15	50.36 %
	Fund: 400 - WATER FUND Surplus (Deficit):	-736,030.00	-736,030.00	60,803.14	249,376.82	985,406.82	133.88 %

Fund: 410 - SEWAGE TREATMENT FUND

Revenue							
<u>410-36-000-418500</u>	Sanitary Sewer District	13,000.00	13,000.00	3,363.04	18,155.74	5,155.74	139.66 %
<u>410-36-000-450600</u>	Penalties/Interest Charges	43,000.00	43,000.00	3,617.56	37,156.38	-5,843.62	13.59 %
<u>410-36-000-450900</u>	Revenues-All Other	5,000.00	5,000.00	-106.39	4,328.26	-671.74	13.43 %
<u>410-36-000-453600</u>	Labor & Equipment Charges	100.00	100.00	0.00	105.75	5.75	105.75 %
<u>410-36-000-453700</u>	Miscellaneous Materials Sold	500.00	500.00	0.00	6.60	-493.40	98.68 %
<u>410-36-000-454100</u>	Sewer Service Charges	2,390,000.00	2,390,000.00	209,854.59	2,231,369.45	-158,630.55	6.64 %
<u>410-36-000-454125</u>	Surcharge Fees	15,000.00	15,000.00	1,066.96	22,433.14	7,433.14	149.55 %
<u>410-36-000-454150</u>	Leachate Disposal Charge	70,000.00	70,000.00	2,380.00	39,950.00	-30,050.00	42.93 %
<u>410-36-000-454200</u>	Sewer Connection Charges	25,000.00	25,000.00	2,050.50	22,363.70	-2,636.30	10.55 %
<u>410-36-000-480000</u>	Investment Income	2,000.00	2,000.00	0.00	4,093.56	2,093.56	204.68 %
<u>410-36-000-480200</u>	Investment Income.-Bond Acct.	460,000.00	460,000.00	0.00	632,952.21	172,952.21	137.60 %
	Revenue Total:	3,023,600.00	3,023,600.00	222,226.26	3,012,914.79	-10,685.21	0.35 %

Expense							
<u>410-36-000-510100</u>	Salaries/Wages-Regular	72,350.00	72,350.00	7,053.65	98,498.10	-26,148.10	-36.14 %
<u>410-36-000-510200</u>	Wages-PartTime/Permanent	5,100.00	5,100.00	0.00	0.00	5,100.00	100.00 %
<u>410-36-000-510300</u>	Salaries/Wages-Overtime	5,150.00	5,150.00	128.54	4,697.85	452.15	8.78 %
<u>410-36-000-511100</u>	FICA Taxes	6,320.00	6,320.00	532.56	8,102.96	-1,782.96	-28.21 %
<u>410-36-000-511300</u>	Health Insurance	18,030.00	18,030.00	1,328.76	25,537.14	-7,507.14	-41.64 %
<u>410-36-000-511400</u>	Dental Insurance	1,200.00	1,200.00	116.65	1,847.36	-647.36	-53.95 %
<u>410-36-000-511600</u>	Life Insurance	150.00	150.00	14.70	203.50	-53.50	-35.67 %
<u>410-36-000-511700</u>	LAGERS Retirement Plan	8,810.00	8,810.00	717.03	11,572.23	-2,762.23	-31.35 %
<u>410-36-000-512605</u>	Employee Incentive Program	400.00	400.00	0.00	48.06	351.94	87.99 %
<u>410-36-000-512700</u>	HRA Deductible	6,000.00	6,000.00	0.00	1,402.88	4,597.12	76.62 %
<u>410-36-000-512701</u>	HRA Administration Fee	110.00	110.00	0.00	0.00	110.00	100.00 %
<u>410-36-000-520250</u>	Administration, Finance & IT Depar	68,125.00	68,125.00	0.00	56,770.90	11,354.10	16.67 %
<u>410-36-000-520300</u>	Technical Services	600.00	600.00	62.51	677.96	-77.96	-12.99 %
<u>410-36-000-520400</u>	Other Contracted Services	11,000.00	11,000.00	467.48	3,313.99	7,686.01	69.87 %
<u>410-36-000-520450</u>	Public Works Staff Services	0.00	0.00	0.00	9,035.88	-9,035.88	0.00 %
<u>410-36-000-521300</u>	Tipping Fee - City of Washington	300.00	300.00	0.00	0.00	300.00	100.00 %
<u>410-36-000-521540</u>	Uniform Cleaning Service	1,500.00	1,500.00	32.24	534.57	965.43	64.36 %
<u>410-36-000-521560</u>	Building Repair & Maintenance	1,000.00	1,000.00	0.00	0.00	1,000.00	100.00 %
<u>410-36-000-521620</u>	Equipment Repair & Maintenance	30,000.00	30,000.00	4,372.35	11,997.25	18,002.75	60.01 %
<u>410-36-000-521630</u>	Vehicle Repair & Maintenance	2,500.00	2,500.00	21.40	1,997.63	502.37	20.09 %
<u>410-36-000-521640</u>	Equipment Rental	500.00	500.00	38.82	295.28	204.72	40.94 %
<u>410-36-000-522100</u>	Advertising	0.00	0.00	299.40	299.40	-299.40	0.00 %

Budget Report

For Fiscal: 2015-2016 Period Ending: 08/31/2016

		Original Total Budget	Current Total Budget	Period Activity	Fiscal Activity	Variance Favorable (Unfavorable)	Percent Remaining
410-36-000-522200	Property, Liability & Casualty Insur	15,560.00	15,560.00	0.00	16,068.27	-508.27	-3.27 %
410-36-000-522210	Self-Insurance Deductible	500.00	500.00	0.00	368.00	132.00	26.40 %
410-36-000-522300	Printing/Duplicating	400.00	400.00	0.00	272.69	127.31	31.83 %
410-36-000-522400	Telephone	3,000.00	3,000.00	204.58	2,386.02	613.98	20.47 %
410-36-000-522410	Telephone-Alarm Control	3,500.00	3,500.00	155.87	1,476.48	2,023.52	57.81 %
410-36-000-522500	Training/Seminars	1,000.00	1,000.00	0.00	439.49	560.51	56.05 %
410-36-000-522600	Travel	500.00	500.00	0.00	376.53	123.47	24.69 %
410-36-000-522700	Professional Dues & Memberships	500.00	500.00	0.00	591.00	-91.00	-18.20 %
410-36-000-522900	Postage	6,000.00	6,000.00	484.87	4,984.05	1,015.95	16.93 %
410-36-000-522950	Credit Card Fees	4,400.00	4,400.00	0.00	4,840.48	-440.48	-10.01 %
410-36-000-530200	Lab Supplies	50.00	50.00	0.00	0.00	50.00	100.00 %
410-36-000-530410	Parts-Vehicle	600.00	600.00	0.00	139.57	460.43	76.74 %
410-36-000-530415	Parts-Equipment	10,000.00	10,000.00	379.99	12,949.09	-2,949.09	-29.49 %
410-36-000-530420	Offices Supplies	500.00	500.00	15.12	338.07	161.93	32.39 %
410-36-000-530500	Asphalt/Rock/Cement	2,500.00	2,500.00	0.00	3,719.85	-1,219.85	-48.79 %
410-36-000-530600	Straw/Seeding/Plants	250.00	250.00	0.00	191.97	58.03	23.21 %
410-36-000-530800	General Supplies	2,300.00	2,300.00	54.78	2,250.59	49.41	2.15 %
410-36-000-530900	Employee Appreciation Cost	200.00	200.00	0.00	49.71	150.29	75.15 %
410-36-000-531110	Electricity	44,000.00	44,000.00	5,592.77	39,176.53	4,823.47	10.96 %
410-36-000-531120	Heating Fuel	10,500.00	10,500.00	8.95	999.75	9,500.25	90.48 %
410-36-000-531300	Gasoline & Oil	7,500.00	7,500.00	0.00	4,890.19	2,609.81	34.80 %
410-36-000-532200	Pipe & Fittings	2,500.00	2,500.00	4.20	1,619.26	880.74	35.23 %
410-36-000-532270	Manhole Replacement Program	11,000.00	11,000.00	123.50	18,550.45	-7,550.45	-68.64 %
410-36-000-533100	Chemicals	3,000.00	3,000.00	0.00	0.00	3,000.00	100.00 %
410-36-000-534100	Depreciation Expense	310,000.00	310,000.00	0.00	0.00	310,000.00	100.00 %
410-36-000-534200	SmallTools/Equipment/Furnishings	13,320.00	13,320.00	1,266.98	3,766.72	9,553.28	71.72 %
410-36-000-541100	Improvements Other Than Building	140,000.00	140,000.00	0.00	0.00	140,000.00	100.00 %
410-36-000-541120	Sanitary Sewer System Improveime	150,000.00	150,000.00	0.00	14,249.65	135,750.35	90.50 %
410-36-000-542100	Vehicles	90,000.00	90,000.00	0.00	0.00	90,000.00	100.00 %
410-36-000-542200	Machinery & Equipment	10,000.00	10,000.00	0.00	0.00	10,000.00	100.00 %
410-36-000-559100	Bad Debts Expense	0.00	0.00	0.00	5,942.45	-5,942.45	0.00 %
410-36-090-559110	Interest Expense	655,800.00	655,800.00	0.00	637,168.76	18,631.24	2.84 %
410-36-090-559120	Agent Fees	83,000.00	83,000.00	0.00	77,692.75	5,307.25	6.39 %
410-36-090-559130	Amortization of Bond Discount/Pre	-21,340.00	-21,340.00	0.00	0.00	-21,340.00	100.00 %
410-36-090-559200	Bond/Note Principal	930,000.00	930,000.00	0.00	930,000.00	0.00	0.00 %
410-36-361-510100	Salaries/Wages-Regular	310,550.00	310,550.00	17,043.88	192,206.54	118,343.46	38.11 %
410-36-361-510300	Salaries/Wages-Overtime	2,500.00	2,500.00	469.58	4,236.06	-1,736.06	-69.44 %
410-36-361-511100	FICA Taxes	23,950.00	23,950.00	1,258.26	14,854.98	9,095.02	37.98 %
410-36-361-511300	Health Insurance	68,340.00	68,340.00	4,081.28	43,162.85	25,177.15	36.84 %
410-36-361-511400	Dental Insurance	4,530.00	4,530.00	252.19	2,723.95	1,806.05	39.87 %
410-36-361-511600	Life Insurance	580.00	580.00	34.08	387.97	192.03	33.11 %
410-36-361-511700	LAGERS Retirement Plan	33,370.00	33,370.00	1,832.73	21,666.13	11,703.87	35.07 %
410-36-361-512605	Employee Incentive Program	200.00	200.00	0.00	96.26	103.74	51.87 %
410-36-361-512700	HRA Deductible	9,000.00	9,000.00	0.00	12,233.51	-3,233.51	-35.93 %
410-36-361-512701	HRA Administration Fee	220.00	220.00	0.00	0.00	220.00	100.00 %
410-36-361-520250	Administration, Finance & IT Depar	68,125.00	68,125.00	0.00	56,770.90	11,354.10	16.67 %
410-36-361-520300	Technical Services	20,200.00	20,200.00	365.20	7,610.20	12,589.80	62.33 %
410-36-361-520400	Other Contracted Services	16,350.00	16,350.00	768.29	5,215.14	11,134.86	68.10 %
410-36-361-520450	Public Works Staff Services	0.00	0.00	0.00	9,035.87	-9,035.87	0.00 %
410-36-361-521300	Tipping Fee - City of Washington	1,200.00	1,200.00	274.56	1,403.50	-203.50	-16.96 %
410-36-361-521540	Uniform Cleaning Service	500.00	500.00	147.48	1,080.42	-580.42	-116.08 %
410-36-361-521560	Building Repair & Maintenance	2,000.00	2,000.00	0.00	0.00	2,000.00	100.00 %
410-36-361-521620	Equipment Repair & Maintenance	108,100.00	108,100.00	3,801.43	18,194.85	89,905.15	83.17 %
410-36-361-521630	Vehicle Repair & Maintenance	3,000.00	3,000.00	0.00	4,421.53	-1,421.53	-47.38 %
410-36-361-521640	Equipment Rental	500.00	500.00	0.00	0.00	500.00	100.00 %
410-36-361-522200	Property, Liability & Casualty Insur	21,670.00	21,670.00	0.00	18,664.73	3,005.27	13.87 %
410-36-361-522210	Self-Insurance Deductible	500.00	500.00	0.00	0.00	500.00	100.00 %
410-36-361-522300	Printing/Duplicating	1,050.00	1,050.00	0.00	892.44	157.56	15.01 %

Budget Report

For Fiscal: 2015-2016 Period Ending: 08/31/2016

	Original Total Budget	Current Total Budget	Period Activity	Fiscal Activity	Variance Favorable (Unfavorable)	Percent Remaining
<u>410-36-361-522400</u>	Telephone	6,500.00	6,500.00	735.07	6,951.50	-451.50 -6.95 %
<u>410-36-361-522410</u>	Telephone-Alarm Control	1,000.00	1,000.00	0.00	0.00	1,000.00 100.00 %
<u>410-36-361-522500</u>	Training/Seminars	800.00	800.00	0.00	0.00	800.00 100.00 %
<u>410-36-361-522600</u>	Travel	700.00	700.00	0.00	0.00	700.00 100.00 %
<u>410-36-361-522700</u>	Professional Dues & Memberships	700.00	700.00	0.00	505.00	195.00 27.86 %
<u>410-36-361-522900</u>	Postage	4,500.00	4,500.00	439.55	4,813.96	-313.96 -6.98 %
<u>410-36-361-530200</u>	Lab Supplies	13,600.00	13,600.00	0.00	913.11	12,686.89 93.29 %
<u>410-36-361-530410</u>	Parts-Vehicle	1,000.00	1,000.00	0.00	423.39	576.61 57.66 %
<u>410-36-361-530415</u>	Parts-Equipment	28,600.00	28,600.00	110.04	13,195.84	15,404.16 53.86 %
<u>410-36-361-530420</u>	Offices Supplies	500.00	500.00	1.43	129.43	370.57 74.11 %
<u>410-36-361-530500</u>	Asphalt/Rock/Cement	1,000.00	1,000.00	0.00	0.00	1,000.00 100.00 %
<u>410-36-361-530600</u>	Straw/Seeding/Plants	250.00	250.00	0.00	0.00	250.00 100.00 %
<u>410-36-361-530800</u>	General Supplies	4,000.00	4,000.00	62.99	3,903.38	96.62 2.42 %
<u>410-36-361-531110</u>	Electricity	170,000.00	170,000.00	20,744.69	149,463.67	20,536.33 12.08 %
<u>410-36-361-531120</u>	Heating Fuel	13,000.00	13,000.00	80.84	9,998.62	3,001.38 23.09 %
<u>410-36-361-531300</u>	Gasoline & Oil	3,000.00	3,000.00	0.00	1,994.12	1,005.88 33.53 %
<u>410-36-361-532200</u>	Pipe & Fittings	1,200.00	1,200.00	55.03	1,808.53	-608.53 -50.71 %
<u>410-36-361-533100</u>	Chemicals	17,300.00	17,300.00	0.00	11,815.08	5,484.92 31.70 %
<u>410-36-361-534100</u>	Depreciation Expense	890,000.00	890,000.00	0.00	0.00	890,000.00 100.00 %
<u>410-36-361-534200</u>	Small Tools/Equipment/Furnishings	14,280.00	14,280.00	474.05	5,058.97	9,221.03 64.57 %
<u>410-99-361-569250</u>	Transfer out- Vehicle & Equipment	201,500.00	201,500.00	0.00	2,275.00	199,225.00 98.87 %
	Expense Total:	4,800,050.00	4,800,050.00	76,510.35	2,650,438.74	2,149,611.26 44.78 %
	Fund: 410 - SEWAGE TREATMENT FUND Surplus (Deficit):	-1,776,450.00	-1,776,450.00	145,715.91	362,476.05	2,138,926.05 120.40 %
	Report Surplus (Deficit):	-2,512,480.00	-2,512,480.00	206,519.05	611,852.87	3,124,332.87 124.35 %

Group Summary

Account Type	Original Total Budget	Current Total Budget	Period Activity	Fiscal Activity	Variance Favorable (Unfavorable)	Percent Remaining
Fund: 400 - WATER FUND						
Revenue	1,562,760.00	1,562,760.00	139,884.25	1,390,588.67	-172,171.33	11.02 %
Expense	2,298,790.00	2,298,790.00	79,081.11	1,141,211.85	1,157,578.15	50.36 %
Fund: 400 - WATER FUND Surplus (Deficit):	-736,030.00	-736,030.00	60,803.14	249,376.82	985,406.82	133.88 %
Fund: 410 - SEWAGE TREATMENT FUND						
Revenue	3,023,600.00	3,023,600.00	222,226.26	3,012,914.79	-10,685.21	0.35 %
Expense	4,800,050.00	4,800,050.00	76,510.35	2,650,438.74	2,149,611.26	44.78 %
Fund: 410 - SEWAGE TREATMENT FUND Surplus (Deficit):	-1,776,450.00	-1,776,450.00	145,715.91	362,476.05	2,138,926.05	120.40 %
Report Surplus (Deficit):	-2,512,480.00	-2,512,480.00	206,519.05	611,852.87	3,124,332.87	124.35 %

Fund Summary

Fund	Original Total Budget	Current Total Budget	Period Activity	Fiscal Activity	Variance Favorable (Unfavorable)
400 - WATER FUND	-736,030.00	-736,030.00	60,803.14	249,376.82	985,406.82
410 - SEWAGE TREATMENT FUND	-1,776,450.00	-1,776,450.00	145,715.91	362,476.05	2,138,926.05
Report Surplus (Deficit):	-2,512,480.00	-2,512,480.00	206,519.05	611,852.87	3,124,332.87

Memorandum

TO: James A. Briggs, City Administrator
 Brian N. Boehmer, Public Works Director
 Board of Public Works

FROM: Kevin Quaethem, Water and Wastewater Superintendent

DATE: September 7, 2016

RE: Work Performed by the Water and Wastewater Departments

STATUS OF MAJOR CONTRACTS –AUGUST 2016

PROJECT	VENDOR	CONTRACT AMOUNT	PREVIOUSLY APPROVED	CURRENTLY APPROVED	BALANCE
Hydraulic Study	Donohue	\$ 58,000.00			\$11,600.00
WWTP Electrical Modifications	Electric Unlimited	\$274,300.00			\$23,100.00
Permanent Chlorination System Design	Donohue	\$ 6,535.00	\$ 392.10		\$ -0-

AUGUST 2016

Water Pumped August 2016..... 69,081,015 2.22 mgd
 Wastewater Effluent Flow August 2016..... 81,620,000 2.63 mgd
 Missouri One Call Locate messages received for locates.....195
 Meters Issued as new.3
 Meters Issued as replacements.....0
 Meters Issued as new for irrigation systems0
 Water breaks repaired.2
 Sewer Routines9
 Delinquent Accounts actually shut off in August 2016.....53

WATER DEPARTMENT FIELD WORK PERFORMED – AUGUST 2016

- | | |
|--|--|
| <ol style="list-style-type: none"> 1. Shop Maintenance 2. Meter/Swapping/Repair 3. Repair/Replace/Number Hydrants 4. Check Wells/Lift Stations/Heaters 5. Missouri One Call Locates 6. Hydrant Flushing/Painting 7. Repaired curb stop @ 809 W. 9th 8. Repaired curb stop @ 318 Williams 9. Repaired curb stop @ 613 Fremont 10. Repaired curb stop @ 1201 Deer Run 11. Repair service line @ 330 Lakeview | <ol style="list-style-type: none"> 12. Hydrant Flow Testing 13. Nitrate Samples Taken 14. Water Samples 15. Water Break @ 8th & Stafford 16. Water Break @ 300 Locust 17. Painted Well #5 18. Restoration of 218 Valley around curb stop 19. Recalibrate Scales in Wells 20. Hauled Rock |
|--|--|

WASTEWATER DEPARTMENT FIELD WORK PERFORMED – AUGUST 2016

1. Sewer Routines
2. Daily lab work and routines.
3. Cleaned belt press.
4. Clean Process Filters
5. Run belt press.
6. Cleaned bar screen.
7. Sprayed all Lift Stations
8. Checked Drain & temp gauges
9. Cleaned polymer barrels
10. Sewer Call Out
11. Repaired Backflows @ WWTP
12. Mowed Lots around Pumps
13. Repaired valve box @ 5th & Elm
14. Repaired loose manhole @ 1425 E. 8th
15. Replaced Riser Ring @ 1045 Marilyn
16. TV's lines @ Marthasville
17. Sinkhole @ 4th & South Link

ROUTINE FIELD WORK

1. Read meters and performed rereads as necessary.
2. Performed read-outs on meters (persons moving in and out)
3. Installed reading device receptacles on houses where new/replacement meters were installed.
4. Issued meters and materials to contractors, owners, etc.
5. Took necessary water samples of the distribution system.
6. Flushed hydrants – scheduled routine flushing.
7. Wastewater lab work.
8. Root-sawed and/or cleaned sewer lines where necessary.
9. Hauled sludge.
10. Televised sewer lines.
11. Performed river gauge measurement.
12. Performed sewer and water service main inspections.
13. Located water and sewer lines.
14. Monitored construction of water and sewer mains in new developments.
15. Responded to service call requests.
16. Invoiced for meters, materials and other charges as necessary.
17. Performed maintenance and repairs on buildings, vehicles, and equipment.

Disinfectant Monitoring

PWS:	The City of Washington - Well # 3			
PWSID:	.MO6010838			
County:	Franklin			
Month:	August			
Date	Time	Free Cl (mg/l)	Total Cl (mg/l)	Sampler
1	7:20	0.67		CDC
2	6:23	0.88		RW
3	6:20	0.84		BK
4	7:08	0.5		AG
5	6:16	0.99		RW
6	7:15	0.7		AG
7	7:26	0.63		AG
8	6:36	0.83		AG
9	6:20	0.61	1.08	BK
10	6:57	0.5		AG
11	10:50	0.93		CDC
12	6:45	0.96		AG
13	7:20	0.89		CDC
14	7:35	1.54		CDC
15	6:40	0.55		CA
16	6:52	1.89	0.87	CA
17	8:45	0.67		CA
18	9:41	0.63		CA
19	8:05	0.6		CA
20	7:05	0.66		BK
21	6:20	0.58		BK
22	7:48	0.87		CA
23	8:15	0.62	0.59	CA
24	7:55	0.53		CA
25	8:03	0.5		CA
26	8:56	0.52		CA
27	6:40	0.52		KD
28	5:45	0.88		KD
29	9:58	0.5		CA
30	8:44	0.5		CA
31	8:40	0.5		CA

Notes:

Disinfectant Monitoring

PWS:	The City of Washington - Well # 4			
PWSID:	.MO6010838			
County:	Franklin			
Month:	August			
Date	Time	Free Cl (mg/l)	Total Cl (mg/l)	Sampler
1	7:05	0.55		CDC
2	6:15	0.57		CDC
3	6:52	0.5		AG
4	6:55	0.51		AG
5	6:59	0.56		AG
6	7:02	0.53		AG
7	7:14	0.52		AG
8	6:58	0.67		RW
9	7:00	0.58		AG
10	6:43	0.59		RW
11	1:25	0.81		CDC
12	6:33	0.5		AG
13	7:05	WELL OUT		CDC
14	7:20	WELL OUT		CDC
15	6:31	WELL OUT		CA
16	6:43	WELL OUT	1.19	CA
17	9:11	WELL OUT		CA
18	7:50	WELL OUT		CA
19	6:50	WELL OUT		BK
20	6:05	WELL OUT		BK
21	7:41	WELL OUT		CA
22	8:05	WELL OUT		CA
23	7:37	WELL OUT	0.55	CA
24	7:56	WELL OUT		CA
25	7:53	WELL OUT		CA
26	7:07	WELL OUT		KD
27	7:07	WELL OUT		KD
28	6:55	WELL OUT		KD
29	9:49	WELL OUT		CA
30	8:35	WELL OUT		CA
31	8:30	WELL OUT		CA

Notes:

Disinfectant Monitoring

PWS:	The City of Washington - Well # 5			
PWSID:	.MO6010838			
County:	Franklin			
Month:	August			
Date	Time	Free Cl (mg/l)	Total Cl (mg/l)	Sampler
1	7:36	0.51		CDC
2	6:35	0.57		BK
3	6:27	0.5		RW
4	7:38	0.55		AE
5	6:25	0.54		BK
6	7:36	0.51		AG
7	7:49	0.53		AG
8	6:41	0.56		AG
9	6:24	0.5	0.6	CA
10	7:46	0.55		AG
11	2:10	1.24		CDC
12	7:40	1.09		RW
13	8:30	0.98		CDC
14	8:40	0.89		CDC
15	7:07	0.88		CA
16	7:16	0.91	0.89	CA
17	8:41	0.99		CA
18	9:35	0.7		CA
19	8:40	.78		CA
20	7:20	0.7		BK
21	6:35	0.71		BK
22	8:46	0.68		CA
23	8:45	0.66	1.24	CA
24	8:40	0.72		CA
25	9:53	0.65		CA
26	9:03	0.64		CA
27	6:04	0.62		KD
28	6:46	0.6		KD
29	9:58	0.58		CA
30	8:50	0.56		CA
31	9:07	0.58		CA

Notes:

Disinfectant Monitoring

PWS:	The City of Washington - Well # 6			
PWSID:	.MO6010838			
County:	Franklin			
Month:	August			
Date	Time	Free Cl (mg/l)	Total Cl (mg/l)	Sampler
1	6:55	Well out of Service		CDC
2	6:23	Well out of Service		CDC
3	6:46	Well out of Service		AG
4	6:45	Well out of Service		AG
5	6:50	Well out of Service		AG
6	6:57	Well out of Service		AG
7	6:34	Well out of Service		AG
8	6:48	Well out of Service		RW
9	6:54	Well out of Service		AG
10	6:34	Well out of Service		AG
11	1:12	Well out of Service		CDC
12	6:30	Well out of Service		AG
13	6:53	Well out of Service		CDC
14	7:10	Well out of Service		CDC
15	6:26	Well out of Service		CA
16	6:37	Well out of Service		CA
17	7:46	Well out of Service		CA
18	9:07	Well out of Service		CA
19	7:36	Well out of Service		CA
20	6:40	Well out of Service		BK
21	5:55	Well out of Service		BK
22	7:35	Well out of Service		CA
23	10:00	Well out of Service		KQ
24	7:30	Well out of Service		CA
25	7:41	Well out of Service		CA
26	7:46	Well out of Service		CA
27	7:18	Well out of Service		KD
28	6:59	Well out of Service		KD
29	9:30	Well out of Service		CA
30	8:29	Well out of Service		CA
31	8:18	Well out of Service		CA

Notes:

Disinfectant Monitoring

PWS:	The City of Washington - Well # 7			
PWSID:	.MO6010838			
County:	Franklin			
Month:	August			
Date	Time	Free Cl (mg/l)	Total Cl (mg/l)	Sampler
1	8:00	0.54		CDC
2	6:52	0.56		RW
3	6:45	0.5		BK
4	8:07	0.6		AG
5	6:40	0.68		RW
6	9:00	0.55		AG
7	8:17	0.53		AG
8	7:05	0.53		AG
9	6:35	0.5	0.53	CA
10	7:10	0.5		AG
11	1:50	0.71		CDC
12	8:23	0.62		RW
13	7:50	0.62		CDC
14	8:05	0.62		CDC
15	6:50	0.58		CA
16	7:00	0.6	0.83	CA
17	8:21	0.65		CA
18	9:21	0.71		CA
19	8:10	0.6		CA
20	8:00	0.8		BK
21	6:45	0.75		BK
22	8:07	0.57		CA
23	8:23	0.55	1.09	CA
24	8:07	0.52		CA
25	8:15	0.56		CA
26	8:20	0.57		CA
27	6:32	0.5		KD
28	5:29	0.57		KD
29	11:30	0.5		CA
30	9:30	0.76		CA
31	8:48	0.57		CA

Notes:

Disinfectant Monitoring

PWS:	The City of Washington - Well # 8			
PWSID:	.MO6010838			
County:	Franklin			
Month:	August			
Date	Time	Free Cl (mg/l)	Total Cl (mg/l)	Sampler
1	6:30	0.57		CDC
2	6:57	0.52		CDC
3	6:28	0.56		AG
4	6:36	0.51		AG
5	6:19	0.51		AG
6	6:18	0.53		AG
7	6:20	0.52		AG
8	6:26	0.56		RW
9	6:45	0.52		RW
10	6:27	0.62		RW
11	12:50	0.72		CDC
12	6:23	0.67		AG
13	6:25	1.07		CDC
14	6:40	0.64		CDC
15	5:39	0.56		CA
16	6:27	1.07		CA
17	7:35	1.18		CA
18	8:11	0.96		CA
19	7:30	0.63		CA
20	6:30	0.89		BK
21	5:40	0.82		BK
22	7:30	0.89		CA
23	7:56	0.79		CA
24	7:24	0.77		CA
25	7:34	1.05		CA
26	7:40	0.96		CA
27	7:43	0.87		KD
28	7:06	0.67		KD
29	8:16	0.92		CA
30	8:25	0.65		CA
31	7:30	0.71		CA

Notes:

Disinfectant Monitoring

PWS:	The City of Washington - Well # 9			
PWSID:	.MO6010838			
County:	Franklin			
Month:	August			
Date	Time	Free Cl (mg/l)	Total Cl (mg/l)	Sampler
1	6:19	0.59		CDC
2	7:15	0.51		CDC
3	6:11	0.56		AG
4	6:08	0.51		AG
5	6:10	0.77		AG
6	6:01	0.79		AG
7	6:00	0.8		AG
8	6:20	0.78		RW
9	6:24	0.75		AG
10	6:04	0.74		AG
11	12:40	0.9		CDC
12	6:08	0.74		AG
13	6:10	0.75		CDC
14	6:17	0.7		CDC
15	6:12	0.71		CA
16	6:08	0.76		CA
17	7:02	0.6		CA
18	7:40	1		CA
19	7:10	0.97		CA
20	6:10	0.77		BK
21	5:20	0.76		BK
22	7:13	0.73		CA
23	7:35	0.7		CA
24	7:07	0.7		CA
25	7:15	0.7		CA
26	7:27	0.66		CA
27	5:54	0.64		KD
28	7:29	0.66		KD
29	7:23	0.65		CA
30	8:03	0.6		CA
31	8:08	0.55		CA

Notes:

Disinfectant Monitoring

PWS:	The City of Washington - Well # 10			
PWSID:	.MO6010838			
County:	Franklin			
Month:	August			
Date	Time	Free Cl (mg/l)	Total Cl (mg/l)	Sampler
1	6:42	0.68		CDC
2	6:37	1.18		CDC
3	6:37	0.67		AG
4	6:25	0.53		AG
5	6:33	0.76		AG
6	6:11	0.81		AG
7	6:09	0.7		AG
8	6:40	0.79		RW
9	6:36	0.76		RW
10	6:18	0.75		AG
11	1:03	1.09		CDC
12	6:17	0.68		AG
13	6:40	0.74		CDC
14	6:55	0.66		CDC
15	6:21	0.62		CA
16	6:16	0.67		CA
17	7:24	0.73		CA
18	7:45	0.6		CA
19	7:21	1.79		CA
20	6:20	0.98		BK
21	5:30	.95		BK
22	7:23	0.93		CA
23	7:47	0.89		CA
24	7:15	0.68		CA
25	7:26	0.63		CA
26	7:34	0.6		CA
27	7:31	0.62		KD
28	7:13	0.88		KD
29	8:08	1.38		CA
30	8:11	1.03		CA
31	7:18	1.19		CA

Notes:

Disinfectant Monitoring

PWS:	The City of Washington - Well # 11			
PWSID:	MO6010838			
County:	Franklin			
Month:	August			
Date	Time	Free Cl (mg/l)	Total Cl (mg/l)	Sampler
1	7:50	0.83		CDC
2	7:05	0.74		BD
3	7:07	0.85		RW
4	7:55	0.83		CDC
5	6:55	0.94		BK
6	8:18	0.77		AG
7	8:00	0.65		AG
8	6:53	0.63		AG
9	6:50	0.68	1.28	BK
10	7:21	0.83		AG
11	2:00	0.6		CDC
12	7:54	0.83		RW
13	8:15	1.59		CDC
14	8:20	2.38		CDC
15	6:58	0.73		CA
16	7:08	0.92	0.85	CA
17	8:31	1.15		CA
18	9:28	0.89		CA
19	8:30	0.83		CA
20	7:45	0.79		BK
21	7:05	0.89		BK
22	8:15	0.81		CA
23	8:31	0.83	0.81	CA
24	8:22	0.78		CA
25	8:24	0.8		CA
26	8:42	0.89		CA
27	6:12	0.88		KD
28	5:21	0.86		KD
29	10:12	0.84		CA
30	9:06	1.95		CA
31	9:00	1.04		CA

Notes:

Missouri Department of Natural Resources
 Division of Environmental Quality
Microbiological Analysis Report

P.O. Box 176
 Jefferson City, MO 65102
 314--751-5331

Public Water System Name Washington Water Dept.				Laboratory Name Franklin County Lab			
Street Address 405 Jefferson Street				7419 Hwy 47 Ste. A Union, MO			
City Washington		Zip Code 63090		Certification Number 00700			
County Franklin		I.D. Number MO6010838					
Date M/D/Y	Collection Point	Sample Type	Location Code	Sample Results		Chlorine Residual	
				Coliform	E-coli	Total	Free
8/9/16	405 Jefferson	R	R-4	A	A	0.57	0.53
8/9/16	4 Chamer	R	R-3	A	A	1.32	1.28
8/9/16	1651 W. 5th	R	R-16	A	A	1.10	1.08
8/9/16	1220 Lakeshore Dr	R	R-1	A	A	0.66	0.60
8/9/16	1901 W. Main	R	R-17	A	A	1.05	1.00
8/16/16	550 E 14th	R	R-5	A	A	0.95	0.87
8/16/16	200 E. 14th	R	R-8	A	A	0.95	0.85
8/16/16	1 Scenic	R	R-11	A	A	1.27	1.19
8/16/16	515 Washington	R	R-2	A	A	0.94	0.89
8/16/16	519 Washington	R	R-12	A	A	0.90	0.83
8/23/16	4 Chamer	R	R-3	A	A	1.03	0.81
8/23/16	404 E 2nd	R	R-13	A	A	0.60	0.59
8/23/16	405 Jefferson	R	R-4	A	A	0.60	0.55
8/23/16	1901 W. Main	R	R-17	A	A	1.27	1.24
8/23/16	1220 Lakeshore Dr	R	R-1	A	A	1.17	1.09
Total Routine Samples: 15				Signed: Kristen Wideman		Date: 8/29/2016	
Monitoring Violation <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				Title: Lab Assistant			
MCL Violation <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No							