

MINUTES OF THE BOARD OF PUBLIC WORKS
Tuesday, October 9, 2018

The Regular Meeting of the Board of Public Works was held on Tuesday, October 9, 2018 at 7:30 a.m. in the City Council Chambers located at 405 Jefferson Street, Washington, Missouri. The following were present/absent:

MEMBERS:

Chairman	John Vietmeier	Absent
Member	Brad Mitchell	Present
Member	Mike Radetic	Present
Member	Steve Richardson	Present
Ex-officio Member	Steve Strubberg	Present
Ex-officio Member	Vacant	--

OTHERS:

Council Representative	Jeff Patke	Absent
Council Representative	Steve Sullentrup	Present
Council Representative	Jeff Mohesky	Absent
Council Representative	Greg Skornia	Absent
Mayor	Sandy Lucy	Absent
City Administrator	Daren Lamb	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.

Mr. Brad Mitchell will be filling in for Mr. John Vietmeier in his absence.

A motion was made by Mr. Radetic and seconded by Mr. Richardson to approve the minutes from the regular September 11, 2018 meeting. The motion passed without dissent.

Mr. Richardson had a quick question for the Water Superintendent in regards to the fire hydrant at Rabbit Trail to see why there is a slow leak. Mr. Quaethem explained that this is still ongoing we have sent maintenance guys out to check out numerous times. We need to check the backflow preventer next, it's possible that it could be causing a problem. This is a constant slow leak we will continue to try and locate this leak.

Wastewater

We had a few odor issues down at the plant. We were able to add more water to the temporary scrubbers. The budget has been approved for the new air scrubbers and we plan to go out for bids soon. Permanent air scrubbers will be installed this year taking in influent, wet well, and the Head Works building and the effluent wet well that is what we call the grit separator at the end of the plant. By the end of this budget year we hope to have this replaced.

Air scrubbers weren't originally a part of the new plant. The air reclamation was supposed to take in and move air enough to alleviate any odor. The influent wet well was not taken into consideration when it was built which is an open cell where 100% of the City's sewage comes into. The grit separator where the sludge goes through the plant and drops out into what they call a cyclone grit separator which is all raw sewage that is always moving around, which generates odor and was never taken into consideration.

Water

We have a final invoice for Donohue that was submitted to us at last moment. Staff recommends payment.

Motion was made by Mr. Richardson and second by Mr. Radetic. All in favor aye, all oppose, none. Motion passed without dissent.

Crestview Water Tower is completed except for a few landscaping issues. We are holding over \$60,000.00 until it is complete. Trying to make sure this is all completed before winter.

Other

None

Old Business

Just to let everyone know this past water sampling cycle, we did get a positive sample from one of our sampling stations for coliform, which is an indicator. Nothing was wrong, we worked with Missouri Department of Natural Resources, did our upstream and downstream at the site. Also the wells were all sampled which is mandatory. All samples from that came back negative which is good. This was just site specific, could have been a windy day. All sampling stations are outside, anything could have happened.

Water on the west end of town was experiencing a low pressure this weekend. There was a storm that caused our Clay Street Pump Station to go off line, which feeds all the west end of town that blew a power supply that went to our flow meters that monitor the suction pressure and discharge pressure and without these the stations went down. We had a company out the very next day and was back on line.

There have been some concerns about water systems and pool valves that have blown around town recent. Our system is an elevated system except for Clay. There is a small group of people around town that are under a pressure system. Coming out of Clay pressure is 72 to 80 pounds all the time. The elevated system anywhere else is usually between 75 and 80 pounds.

There are some homes that have bought new hot water heaters that don't have expansion chambers and if you don't add the expansion chamber to your hot water heater when you build your house and you put a pressure reducing valve in your home, which has happened to a couple of homes their hot water heater will build up pressure and blow apart.

Open Discussion

None

Next Scheduled Meeting Date

The next scheduled meeting date is November 13, 2018.

Adjourn

There being no further business the meeting adjourned on a motion by Mr. Radetic and seconded by Mr. Richardson. 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



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: Crestview Water Tower

OWNER: City of Washington

CONTRACTOR: Maguire Iron

Staff recommends payment of final pay request 4 from Maguire Iron and Steel by the Board of Public Works

Description	Amount
Final Pay Request #4 Amount	\$28,005.00

THE CONTRACT SUMMARY FOLLOWS:

Original Contract Price	\$598,100.00
Pay Request #1	\$180,405.00
Pay Request #2	\$254,695.00
Pay Request #3	\$ 95,095.00
Final Pay Request #4	\$ 28,005.00
Balance of Contract	\$ 39,900.00

Approved by the Board of Public Works:

_____ Date: _____
John Vietmeier, Board of Public Works Chairman

Progress Estimate

Contractor's Application

Per contract: Washington, MD		Application Number: 3							
Application Period: May-18		Application Date: 11/7/2018							
A		B	C		D	E		F	G
Item Specification Series No.	Description	Scheduled Value	Work Completed		Materials Pre-work Stored on Site (C+D)	Total Completed and Stored to Date (C + D + E)	%	Balance to Finish (G-I)	
			From Previous Application (C+D)	This Period					
	Mob Demol	\$10,000.00	\$10,000.00			\$10,000.00	100.0%		
	Installation of New Ladder and Cabling System	\$6,400.00	\$6,400.00			\$6,400.00	100.0%		
	Installation of new Mixing System	\$19,800.00	\$19,800.00			\$19,800.00	100.0%		
	Steel Pipe	\$34,900.00	\$34,900.00			\$34,900.00	100.0%		
	General Allowance	\$100.00	\$100.00			\$100.00	100.0%		
	Contingent	\$100,000.00	\$100,000.00			\$100,000.00	100.0%		
	Interior Blast and Part	\$20,200.00	\$20,200.00			\$20,200.00	100.0%		
	Estimate Blast and Part	\$16,800.00	\$16,800.00			\$16,800.00	100.0%		
Totals		\$558,200.00	\$558,200.00			\$558,200.00	100.0%		

Contractor's Application for Payment No. 4

To (Owner): Washington, MO	From (Contractor): Maguire Iron	Application Period: Oct-18	Application Date: 11/7/2018
Project: Crestview	Contract:	Via (General): Maguire Iron	
Owner's Contract No.:	Contractor's Project No.:	Engineer's Project No.:	

Application For Payment Change Order Summary

Approved Change Order Number	Additions	Deductions	
1		-\$39,900.00	
TOTALS		-\$39,900.00	
NET CHANGE BY CHANGE ORDERS		-\$39,900.00	

1. ORIGINAL CONTRACT PRICE..... \$ 598,100.00
2. Net change by Change Orders..... \$ -39,900.00
3. Current Contract Price (Line 1 ± 2)..... \$ 558,200.00
4. TOTAL COMPLETED AND STORED TO DATE
(Column F on Progress Estimate)..... \$ 558,200.00
5. RETAINAGE:
 - a. 5% X _____ Work Completed..... \$ _____
 - b. 5% X _____ Stored Material..... \$ _____
 - c. Total Retainage (Line 5a + Line 5b)..... \$ _____
6. AMOUNT ELIGIBLE TO DATE (Line 4 - Line 5c)..... \$ 558,200.00
7. LESS PREVIOUS PAYMENTS (Line 6 from prior Application)..... \$ 530,195.00
8. AMOUNT DUE THIS APPLICATION..... \$ 28,005.00
9. BALANCE TO FINISH, PLUS RETAINAGE
(Column G on Progress Estimate + Line 5 above)..... \$ _____

Contractor's Certification
 The undersigned Contractor certifies that to the best of its knowledge: (1) all previous progress payments received from Owner on account of Work done under the Contract have been applied on account to discharge Contractor's legitimate obligations incurred in connection with Work covered by prior Applications for Payment; (2) title of all Work, materials and equipment incorporated in said Work or otherwise listed in or covered by this Application for Payment will pass to Owner at time of payment free and clear of all Liens, security interests and encumbrances (except such as are covered by a Bond acceptable to Owner indemnifying Owner against any such Liens, security interest or encumbrances); and (3) all Work covered by this Application for Payment is in accordance with the Contract Documents and is not defective.

By: Mike Farnsworth Date: 11/7/2018

Payment of: \$ 28,005.00
 (Line 8 or other - attach explanation of the other amount)

is recommended by: _____ (Engineer) _____ (Date)

Payment of: \$ _____
 (Line 8 or other - attach explanation of the other amount)

is approved by: _____ (Owner) _____ (Date)

Approved by: _____ (Date)

Funding Agency (if applicable) _____ (Date)

Endorsed by the Construction Specifications Institute.

Progress Estimate

Contractor's Application

For (contract):		Washington, MO		Application Number: 3		Application Date: 11/7/2018							
Application Period: May-18													
A		B		C		D		E		F		G	
Item	Description	Scheduled Value	From Previous Application (C+D)	Work Completed	This Period	Materials Presently Stored (not in C or D)	Total Completed and Stored to Date (C + D + E)	% (E) / B	Balance to Finish (B - F)				
Specification Section No.													
M65/Derrob	Installation of New Ladder and Cabling System	\$10,000.00	\$10,000.00				\$10,000.00	100.0%					
	Installation of new Mixing System	\$6,400.00	\$6,400.00				\$6,400.00	100.0%					
	Steel Pipe	\$19,800.00	\$19,800.00				\$19,800.00	100.0%					
	General Allowance	\$54,900.00	\$54,900.00				\$54,900.00	100.0%					
	Containment	\$100.00	\$100.00				\$100.00	100.0%					
	Interior Blast and Paint	\$100,000.00	\$100,000.00				\$100,000.00	100.0%					
	Exterior Blast and Paint	\$220,200.00	\$220,200.00				\$220,200.00	100.0%					
		\$146,800.00	\$146,800.00				\$146,800.00	100.0%					
Totals			\$558,200.00				\$558,200.00	100.0%					



City of Washington, MO

Budget Report Account Summary

For Fiscal: 2018-2019 Period Ending: 10/31/2018

	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	1,861.37	1,861.37	-20,138.63 91.54 %
400-35-000-450900	Revenues-All Other	15,000.00	15,000.00	2,200.00	2,200.00	-12,800.00 85.33 %
400-35-000-453100	Water Sales	1,390,000.00	1,390,000.00	146,296.46	146,296.46	-1,243,703.54 89.48 %
400-35-000-453200	Water Meter Sales	10,000.00	10,000.00	2,720.70	2,720.70	-7,279.30 72.79 %
400-35-000-453500	Connection Charges	25,000.00	25,000.00	600.00	600.00	-24,400.00 97.60 %
400-35-000-453550	Tap Charges	500.00	500.00	2,425.00	2,425.00	1,925.00 485.00 %
400-35-000-453600	Labor & Equipment Charges	1,000.00	1,000.00	0.00	0.00	-1,000.00 100.00 %
400-35-000-453700	Miscellaneous Materials Sold	3,000.00	3,000.00	793.35	793.35	-2,206.65 73.56 %
400-35-000-461200	Rent/Lease- Municipal Property/Bui	32,425.00	32,425.00	8,203.26	8,203.26	-24,221.74 74.70 %
400-35-000-480000	Investment Income	8,000.00	8,000.00	0.00	0.00	-8,000.00 100.00 %
	Revenue Total:	1,506,925.00	1,506,925.00	165,100.14	165,100.14	-1,341,824.86 89.04 %
Expense						
400-35-000-510100	Salaries/Wages-Regular	404,700.00	404,700.00	24,818.59	24,818.59	379,881.41 93.87 %
400-35-000-510150	Elected Board Officials Compensati	200.00	200.00	0.00	0.00	200.00 100.00 %
400-35-000-510200	Wages-Parttime/Permanent	5,310.00	5,310.00	0.00	0.00	5,310.00 100.00 %
400-35-000-510300	Salaries/Wages-Overtime	8,760.00	8,760.00	629.08	629.08	8,130.92 92.82 %
400-35-000-511100	FICA Taxes	32,050.00	32,050.00	1,867.40	1,867.40	30,182.60 94.17 %
400-35-000-511300	Health Insurance	86,520.00	86,520.00	5,825.89	5,825.89	80,694.11 93.27 %
400-35-000-511400	Dental Insurance	5,030.00	5,030.00	383.01	383.01	4,646.99 92.39 %
400-35-000-511600	Life Insurance	620.00	620.00	45.56	45.56	574.44 92.65 %
400-35-000-511700	LAGERS Retirement Plan	26,460.00	26,460.00	1,482.95	1,482.95	24,977.05 94.40 %
400-35-000-512605	Employee Incentive Program	600.00	600.00	0.00	0.00	600.00 100.00 %
400-35-000-512700	HRA Deductible	13,650.00	13,650.00	0.00	0.00	13,650.00 100.00 %
400-35-000-520250	Administration, Finance & IT Depar	151,340.00	151,340.00	0.00	0.00	151,340.00 100.00 %
400-35-000-520300	Technical Services	45,950.00	45,950.00	3,754.66	3,754.66	42,195.34 91.83 %
400-35-000-520400	Other Contracted Services	38,000.00	38,000.00	19,872.96	19,872.96	18,127.04 47.70 %
400-35-000-521530	Lawn & Grounds Care Services	19,425.00	19,425.00	0.00	0.00	19,425.00 100.00 %
400-35-000-521540	Uniform Cleaning Service	2,000.00	2,000.00	160.86	160.86	1,839.14 91.96 %
400-35-000-521560	Building Repair & Maintenance	1,000.00	1,000.00	0.00	0.00	1,000.00 100.00 %
400-35-000-521620	Equipment Repair & Maintenance	12,200.00	12,200.00	675.15	675.15	11,524.85 94.47 %
400-35-000-521630	Vehicle Repair & Maintenance	15,000.00	15,000.00	0.00	0.00	15,000.00 100.00 %
400-35-000-521635	Water System Repair & Maintenanc	10,000.00	10,000.00	0.00	0.00	10,000.00 100.00 %
400-35-000-521636	Well Pump Repair & Maintenance	22,250.00	22,250.00	0.00	0.00	22,250.00 100.00 %
400-35-000-521640	Equipment Rental	1,000.00	1,000.00	50.67	50.67	949.33 94.93 %
400-35-000-522100	Advertising	200.00	200.00	0.00	0.00	200.00 100.00 %
400-35-000-522200	Property, Liability & Casualty Insura	36,380.00	36,380.00	0.00	0.00	36,380.00 100.00 %
400-35-000-522210	Self-Insurance Deductible	500.00	500.00	0.00	0.00	500.00 100.00 %
400-35-000-522300	Printing/Duplicating	1,600.00	1,600.00	0.00	0.00	1,600.00 100.00 %
400-35-000-522400	Telephone	8,300.00	8,300.00	40.00	40.00	8,260.00 99.52 %
400-35-000-522410	Telephone-Alarm Control	4,000.00	4,000.00	0.00	0.00	4,000.00 100.00 %
400-35-000-522500	Training/Seminars	1,500.00	1,500.00	0.00	0.00	1,500.00 100.00 %
400-35-000-522600	Travel	1,200.00	1,200.00	0.00	0.00	1,200.00 100.00 %
400-35-000-522700	Professional Dues & Memberships	2,150.00	2,150.00	0.00	0.00	2,150.00 100.00 %
400-35-000-522900	Postage	13,000.00	13,000.00	814.00	814.00	12,186.00 93.74 %
400-35-000-522950	Credit Card Fees	7,000.00	7,000.00	724.51	724.51	6,275.49 89.65 %
400-35-000-530410	Parts-Vehicle	2,000.00	2,000.00	34.32	34.32	1,965.68 98.28 %
400-35-000-530415	Parts-Equipment	4,000.00	4,000.00	208.43	208.43	3,791.57 94.79 %
400-35-000-530420	Offices Supplies	1,000.00	1,000.00	0.00	0.00	1,000.00 100.00 %
400-35-000-530500	Asphalt/Rock/Cement	20,000.00	20,000.00	2,175.26	2,175.26	17,824.74 89.12 %
400-35-000-530600	Straw/Seeding/Plants	500.00	500.00	121.65	121.65	378.35 75.67 %

Budget Report

For Fiscal: 2018-2019 Period Ending: 10/31/2018

		Original Total Budget	Current Total Budget	Period Activity	Fiscal Activity	Variance Favorable (Unfavorable)	Percent Remaining
<u>400-35-000-530650</u>	Grounds Maintenance	0.00	0.00	2,430.00	2,430.00	-2,430.00	0.00 %
<u>400-35-000-530700</u>	Uniforms & Clothing	600.00	600.00	0.00	0.00	600.00	100.00 %
<u>400-35-000-530800</u>	General Supplies	7,000.00	7,000.00	65.34	65.34	6,934.66	99.07 %
<u>400-35-000-531110</u>	Electricity	165,000.00	165,000.00	0.00	0.00	165,000.00	100.00 %
<u>400-35-000-531120</u>	Heating Fuel	1,500.00	1,500.00	53.54	53.54	1,446.46	96.43 %
<u>400-35-000-531300</u>	Gasoline & Oil	12,500.00	12,500.00	0.00	0.00	12,500.00	100.00 %
<u>400-35-000-532100</u>	Meters & Hydrants	46,300.00	46,300.00	1,208.45	1,208.45	45,091.55	97.39 %
<u>400-35-000-532200</u>	Pipe & Fittings	33,000.00	33,000.00	324.72	324.72	32,675.28	99.02 %
<u>400-35-000-533100</u>	Chemicals	15,000.00	15,000.00	0.00	0.00	15,000.00	100.00 %
<u>400-35-000-533300</u>	Janitorial Supplies	0.00	0.00	22.13	22.13	-22.13	0.00 %
<u>400-35-000-534100</u>	Depreciation Expense	395,000.00	395,000.00	0.00	0.00	395,000.00	100.00 %
<u>400-35-000-534200</u>	SmallTools/Equipment/Furnishings	12,195.00	12,195.00	564.54	564.54	11,630.46	95.37 %
<u>400-35-000-541100</u>	Improvements Other Than Building	273,000.00	273,000.00	0.00	0.00	273,000.00	100.00 %
<u>400-35-000-541110</u>	Water System Improvements	25,000.00	25,000.00	0.00	0.00	25,000.00	100.00 %
<u>400-35-000-542100</u>	Vehicles	45,000.00	45,000.00	0.00	0.00	45,000.00	100.00 %
<u>400-35-000-542200</u>	Machinery & Equipment	87,500.00	87,500.00	5,798.00	5,798.00	81,702.00	93.37 %
<u>400-35-000-559200</u>	Bond/Note Principal	233,300.00	233,300.00	0.00	0.00	233,300.00	100.00 %
<u>400-35-090-559110</u>	Interest Expense	120,400.00	120,400.00	0.00	0.00	120,400.00	100.00 %
	Expense Total:	2,477,690.00	2,477,690.00	74,151.67	74,151.67	2,403,538.33	97.01 %
	Fund: 400 - WATER FUND Surplus (Deficit):	-970,765.00	-970,765.00	90,948.47	90,948.47	1,061,713.47	109.37 %

Fund: 410 - SEWAGE TREATMENT FUND

Revenue							
<u>410-36-000-418500</u>	Sanitary Sewer District	20,000.00	20,000.00	0.00	0.00	-20,000.00	100.00 %
<u>410-36-000-450600</u>	Penalties/Interest Charges	45,000.00	45,000.00	2,510.17	2,510.17	-42,489.83	94.42 %
<u>410-36-000-450900</u>	Revenues-All Other	5,000.00	5,000.00	0.00	0.00	-5,000.00	100.00 %
<u>410-36-000-453600</u>	Labor & Equipment Charges	100.00	100.00	0.00	0.00	-100.00	100.00 %
<u>410-36-000-453700</u>	Miscellaneous Materials Sold	200.00	200.00	0.00	0.00	-200.00	100.00 %
<u>410-36-000-454100</u>	Sewer Service Charges	2,500,000.00	2,500,000.00	224,769.39	224,769.39	-2,275,230.61	91.01 %
<u>410-36-000-454125</u>	Surcharge Fees	25,000.00	25,000.00	1,491.54	1,491.54	-23,508.46	94.03 %
<u>410-36-000-454150</u>	Leachate Disposal Charge	35,000.00	35,000.00	510.00	510.00	-34,490.00	98.54 %
<u>410-36-000-454200</u>	Sewer Connection Charges	35,000.00	35,000.00	1,125.00	1,125.00	-33,875.00	96.79 %
<u>410-36-000-480000</u>	Investment Income	5,000.00	5,000.00	0.00	0.00	-5,000.00	100.00 %
<u>410-36-000-480200</u>	Investment Income.-Bond Acct.	390,000.00	390,000.00	0.00	0.00	-390,000.00	100.00 %
	Revenue Total:	3,060,300.00	3,060,300.00	230,406.10	230,406.10	-2,829,893.90	92.47 %

Expense							
<u>410-36-000-510100</u>	Salaries/Wages-Regular	163,310.00	163,310.00	10,049.17	10,049.17	153,260.83	93.85 %
<u>410-36-000-510200</u>	Wages-PartTime/Permanent	5,310.00	5,310.00	0.00	0.00	5,310.00	100.00 %
<u>410-36-000-510300</u>	Salaries/Wages-Overtime	3,980.00	3,980.00	249.72	249.72	3,730.28	93.73 %
<u>410-36-000-511100</u>	FICA Taxes	13,300.00	13,300.00	727.96	727.96	12,572.04	94.53 %
<u>410-36-000-511300</u>	Health Insurance	39,720.00	39,720.00	2,976.17	2,976.17	36,743.83	92.51 %
<u>410-36-000-511400</u>	Dental Insurance	2,310.00	2,310.00	175.96	175.96	2,134.04	92.38 %
<u>410-36-000-511600</u>	Life Insurance	310.00	310.00	17.98	17.98	292.02	94.20 %
<u>410-36-000-511700</u>	LAGERS Retirement Plan	10,970.00	10,970.00	659.13	659.13	10,310.87	93.99 %
<u>410-36-000-512605</u>	Employee Incentive Program	200.00	200.00	0.00	0.00	200.00	100.00 %
<u>410-36-000-512700</u>	HRA Deductible	4,200.00	4,200.00	0.00	0.00	4,200.00	100.00 %
<u>410-36-000-520250</u>	Administration, Finance & IT Depar	78,120.00	78,120.00	0.00	0.00	78,120.00	100.00 %
<u>410-36-000-520300</u>	Technical Services	1,500.00	1,500.00	50.05	50.05	1,449.95	96.66 %
<u>410-36-000-520400</u>	Other Contracted Services	10,800.00	10,800.00	464.57	464.57	10,335.43	95.70 %
<u>410-36-000-521300</u>	Tipping Fee - City of Washington	300.00	300.00	0.00	0.00	300.00	100.00 %
<u>410-36-000-521530</u>	Lawn & Grounds Care Services	1,200.00	1,200.00	0.00	0.00	1,200.00	100.00 %
<u>410-36-000-521540</u>	Uniform Cleaning Service	600.00	600.00	38.72	38.72	561.28	93.55 %
<u>410-36-000-521560</u>	Building Repair & Maintenance	500.00	500.00	0.00	0.00	500.00	100.00 %
<u>410-36-000-521620</u>	Equipment Repair & Maintenance	23,285.00	23,285.00	133.18	133.18	23,151.82	99.43 %
<u>410-36-000-521630</u>	Vehicle Repair & Maintenance	5,450.00	5,450.00	0.00	0.00	5,450.00	100.00 %
<u>410-36-000-521640</u>	Equipment Rental	1,500.00	1,500.00	50.67	50.67	1,449.33	96.62 %
<u>410-36-000-522100</u>	Advertising	500.00	500.00	0.00	0.00	500.00	100.00 %
<u>410-36-000-522200</u>	Property, Liability & Casualty Insura	16,170.00	16,170.00	0.00	0.00	16,170.00	100.00 %

Budget Report

For Fiscal: 2018-2019 Period Ending: 10/31/2018

		Original Total Budget	Current Total Budget	Period Activity	Fiscal Activity	Variance Favorable (Unfavorable)	Percent Remaining
<u>410-36-000-522210</u>	Self-Insurance Deductible	300.00	300.00	0.00	0.00	300.00	100.00 %
<u>410-36-000-522300</u>	Printing/Duplicating	800.00	800.00	0.00	0.00	800.00	100.00 %
<u>410-36-000-522400</u>	Telephone	3,300.00	3,300.00	40.00	40.00	3,260.00	98.79 %
<u>410-36-000-522410</u>	Telephone-Alarm Control	3,000.00	3,000.00	425.68	425.68	2,574.32	85.81 %
<u>410-36-000-522500</u>	Training/Seminars	1,000.00	1,000.00	0.00	0.00	1,000.00	100.00 %
<u>410-36-000-522600</u>	Travel	700.00	700.00	0.00	0.00	700.00	100.00 %
<u>410-36-000-522700</u>	Professional Dues & Memberships	1,500.00	1,500.00	0.00	0.00	1,500.00	100.00 %
<u>410-36-000-522900</u>	Postage	6,000.00	6,000.00	407.00	407.00	5,593.00	93.22 %
<u>410-36-000-522950</u>	Credit Card Fees	7,000.00	7,000.00	724.50	724.50	6,275.50	89.65 %
<u>410-36-000-530200</u>	Lab Supplies	50.00	50.00	0.00	0.00	50.00	100.00 %
<u>410-36-000-530410</u>	Parts-Vehicle	700.00	700.00	65.86	65.86	634.14	90.59 %
<u>410-36-000-530415</u>	Parts-Equipment	12,000.00	12,000.00	40.62	40.62	11,959.38	99.66 %
<u>410-36-000-530420</u>	Offices Supplies	500.00	500.00	0.00	0.00	500.00	100.00 %
<u>410-36-000-530500</u>	Asphalt/Rock/Cement	25,000.00	25,000.00	0.00	0.00	25,000.00	100.00 %
<u>410-36-000-530600</u>	Straw/Seeding/Plants	250.00	250.00	0.00	0.00	250.00	100.00 %
<u>410-36-000-530700</u>	Uniforms & Clothing	300.00	300.00	0.00	0.00	300.00	100.00 %
<u>410-36-000-530800</u>	General Supplies	2,300.00	2,300.00	0.00	0.00	2,300.00	100.00 %
<u>410-36-000-530900</u>	Employee Appreciation Cost	200.00	200.00	0.00	0.00	200.00	100.00 %
<u>410-36-000-531110</u>	Electricity	45,000.00	45,000.00	0.00	0.00	45,000.00	100.00 %
<u>410-36-000-531120</u>	Heating Fuel	2,000.00	2,000.00	53.54	53.54	1,946.46	97.32 %
<u>410-36-000-531300</u>	Gasoline & Oil	6,500.00	6,500.00	51.44	51.44	6,448.56	99.21 %
<u>410-36-000-532200</u>	Pipe & Fittings	2,200.00	2,200.00	0.00	0.00	2,200.00	100.00 %
<u>410-36-000-532270</u>	Manhole Replacement Program	10,000.00	10,000.00	0.00	0.00	10,000.00	100.00 %
<u>410-36-000-533100</u>	Chemicals	2,200.00	2,200.00	0.00	0.00	2,200.00	100.00 %
<u>410-36-000-533300</u>	Janitorial Supplies	0.00	0.00	22.12	22.12	-22.12	0.00 %
<u>410-36-000-534100</u>	Depreciation Expense	250,000.00	250,000.00	0.00	0.00	250,000.00	100.00 %
<u>410-36-000-534200</u>	SmallTools/Equipment/Furnishings	11,275.00	11,275.00	52.79	52.79	11,222.21	99.53 %
<u>410-36-000-541100</u>	Improvements Other Than Building	230,000.00	230,000.00	0.00	0.00	230,000.00	100.00 %
<u>410-36-000-541120</u>	Sanitary Sewer System Improve	165,000.00	165,000.00	0.00	0.00	165,000.00	100.00 %
<u>410-36-000-542100</u>	Vehicles	45,000.00	45,000.00	199.88	199.88	44,800.12	99.56 %
<u>410-36-090-559110</u>	Interest Expense	539,500.00	539,500.00	0.00	0.00	539,500.00	100.00 %
<u>410-36-090-559120</u>	Agent Fees	68,000.00	68,000.00	0.00	0.00	68,000.00	100.00 %
<u>410-36-090-559130</u>	Amortization of Bond Discount/Pre	-21,340.00	-21,340.00	0.00	0.00	-21,340.00	100.00 %
<u>410-36-090-559200</u>	Bond/Note Principal	975,000.00	975,000.00	0.00	0.00	975,000.00	100.00 %
<u>410-36-361-510100</u>	Salaries/Wages-Regular	202,300.00	202,300.00	17,770.34	17,770.34	184,529.66	91.22 %
<u>410-36-361-510300</u>	Salaries/Wages-Overtime	3,750.00	3,750.00	299.79	299.79	3,450.21	92.01 %
<u>410-36-361-511100</u>	FICA Taxes	15,670.00	15,670.00	1,296.13	1,296.13	14,373.87	91.73 %
<u>410-36-361-511300</u>	Health Insurance	46,800.00	46,800.00	3,999.64	3,999.64	42,800.36	91.45 %
<u>410-36-361-511400</u>	Dental Insurance	2,720.00	2,720.00	239.56	239.56	2,480.44	91.19 %
<u>410-36-361-511600</u>	Life Insurance	370.00	370.00	33.18	33.18	336.82	91.03 %
<u>410-36-361-511700</u>	LAGERS Retirement Plan	12,920.00	12,920.00	1,156.44	1,156.44	11,763.56	91.05 %
<u>410-36-361-512605</u>	Employee Incentive Program	400.00	400.00	0.00	0.00	400.00	100.00 %
<u>410-36-361-512700</u>	HRA Deductible	5,250.00	5,250.00	0.00	0.00	5,250.00	100.00 %
<u>410-36-361-520250</u>	Administration, Finance & IT Depar	78,120.00	78,120.00	0.00	0.00	78,120.00	100.00 %
<u>410-36-361-520300</u>	Technical Services	10,000.00	10,000.00	1,144.45	1,144.45	8,855.55	88.56 %
<u>410-36-361-520400</u>	Other Contracted Services	22,565.00	22,565.00	14.00	14.00	22,551.00	99.94 %
<u>410-36-361-521300</u>	Tipping Fee - City of Washington	1,200.00	1,200.00	0.00	0.00	1,200.00	100.00 %
<u>410-36-361-521540</u>	Uniform Cleaning Service	1,500.00	1,500.00	77.44	77.44	1,422.56	94.84 %
<u>410-36-361-521560</u>	Building Repair & Maintenance	1,500.00	1,500.00	0.00	0.00	1,500.00	100.00 %
<u>410-36-361-521620</u>	Equipment Repair & Maintenance	37,700.00	37,700.00	133.18	133.18	37,566.82	99.65 %
<u>410-36-361-521630</u>	Vehicle Repair & Maintenance	6,000.00	6,000.00	0.00	0.00	6,000.00	100.00 %
<u>410-36-361-521640</u>	Equipment Rental	500.00	500.00	32.19	32.19	467.81	93.56 %
<u>410-36-361-522200</u>	Property, Liability & Casualty Insura	24,250.00	24,250.00	0.00	0.00	24,250.00	100.00 %
<u>410-36-361-522210</u>	Self-Insurance Deductible	500.00	500.00	0.00	0.00	500.00	100.00 %
<u>410-36-361-522300</u>	Printing/Duplicating	1,050.00	1,050.00	0.00	0.00	1,050.00	100.00 %
<u>410-36-361-522400</u>	Telephone	8,000.00	8,000.00	50.00	50.00	7,950.00	99.38 %
<u>410-36-361-522410</u>	Telephone-Alarm Control	500.00	500.00	0.00	0.00	500.00	100.00 %
<u>410-36-361-522500</u>	Training/Seminars	800.00	800.00	0.00	0.00	800.00	100.00 %

Budget Report

For Fiscal: 2018-2019 Period Ending: 10/31/2018

	Original Total Budget	Current Total Budget	Period Activity	Fiscal Activity	Variance Favorable (Unfavorable)	Percent Remaining
<u>410-36-361-522600</u>	Travel	500.00	500.00	0.00	0.00	500.00 100.00 %
<u>410-36-361-522700</u>	Professional Dues & Memberships	500.00	500.00	0.00	0.00	500.00 100.00 %
<u>410-36-361-522900</u>	Postage	5,000.00	5,000.00	407.00	407.00	4,593.00 91.86 %
<u>410-36-361-530200</u>	Lab Supplies	8,600.00	8,600.00	0.00	0.00	8,600.00 100.00 %
<u>410-36-361-530410</u>	Parts-Vehicle	800.00	800.00	0.00	0.00	800.00 100.00 %
<u>410-36-361-530415</u>	Parts-Equipment	37,000.00	37,000.00	2,142.56	2,142.56	34,857.44 94.21 %
<u>410-36-361-530420</u>	Offices Supplies	300.00	300.00	0.00	0.00	300.00 100.00 %
<u>410-36-361-530500</u>	Asphalt/Rock/Cement	1,500.00	1,500.00	19.56	19.56	1,480.44 98.70 %
<u>410-36-361-530600</u>	Straw/Seeding/Plants	300.00	300.00	298.20	298.20	1.80 0.60 %
<u>410-36-361-530700</u>	Uniforms & Clothing	400.00	400.00	0.00	0.00	400.00 100.00 %
<u>410-36-361-530800</u>	General Supplies	4,000.00	4,000.00	48.20	48.20	3,951.80 98.80 %
<u>410-36-361-531110</u>	Electricity	175,000.00	175,000.00	0.00	0.00	175,000.00 100.00 %
<u>410-36-361-531120</u>	Heating Fuel	14,000.00	14,000.00	427.87	427.87	13,572.13 96.94 %
<u>410-36-361-531300</u>	Gasoline & Oil	3,000.00	3,000.00	0.00	0.00	3,000.00 100.00 %
<u>410-36-361-532200</u>	Pipe & Fittings	2,500.00	2,500.00	14.31	14.31	2,485.69 99.43 %
<u>410-36-361-533100</u>	Chemicals	16,700.00	16,700.00	0.00	0.00	16,700.00 100.00 %
<u>410-36-361-534100</u>	Depreciation Expense	900,000.00	900,000.00	0.00	0.00	900,000.00 100.00 %
<u>410-36-361-534200</u>	Small Tools/Equipment/Furnishings	11,425.00	11,425.00	0.00	0.00	11,425.00 100.00 %
<u>410-36-361-541100</u>	Improvements other than Buildings	36,000.00	36,000.00	0.00	0.00	36,000.00 100.00 %
<u>410-36-361-542200</u>	Machinery & Equipment	216,250.00	216,250.00	0.00	0.00	216,250.00 100.00 %
<u>410-36-361-542300</u>	Furniture & Fixtures	30,000.00	30,000.00	0.00	0.00	30,000.00 100.00 %
	Expense Total:	4,726,910.00	4,726,910.00	47,280.75	47,280.75	4,679,629.25 99.00 %
	Fund: 410 - SEWAGE TREATMENT FUND Surplus (Deficit):	-1,666,610.00	-1,666,610.00	183,125.35	183,125.35	1,849,735.35 110.99 %
	Report Surplus (Deficit):	-2,637,375.00	-2,637,375.00	274,073.82	274,073.82	2,911,448.82 110.39 %

Group Summary

Account Type	Original Total Budget	Current Total Budget	Period Activity	Fiscal Activity	Variance	
					Favorable (Unfavorable)	Percent Remaining
Fund: 400 - WATER FUND						
Revenue	1,506,925.00	1,506,925.00	165,100.14	165,100.14	-1,341,824.86	89.04 %
Expense	2,477,690.00	2,477,690.00	74,151.67	74,151.67	2,403,538.33	97.01 %
Fund: 400 - WATER FUND Surplus (Deficit):	-970,765.00	-970,765.00	90,948.47	90,948.47	1,061,713.47	109.37 %
Fund: 410 - SEWAGE TREATMENT FUND						
Revenue	3,060,300.00	3,060,300.00	230,406.10	230,406.10	-2,829,893.90	92.47 %
Expense	4,726,910.00	4,726,910.00	47,280.75	47,280.75	4,679,629.25	99.00 %
Fund: 410 - SEWAGE TREATMENT FUND Surplus (Deficit):	-1,666,610.00	-1,666,610.00	183,125.35	183,125.35	1,849,735.35	110.99 %
Report Surplus (Deficit):	-2,637,375.00	-2,637,375.00	274,073.82	274,073.82	2,911,448.82	110.39 %

Fund Summary

Fund	Original Total Budget	Current Total Budget	Period Activity	Fiscal Activity	Variance Favorable (Unfavorable)
400 - WATER FUND	-970,765.00	-970,765.00	90,948.47	90,948.47	1,061,713.47
410 - SEWAGE TREATMENT FUND	-1,666,610.00	-1,666,610.00	183,125.35	183,125.35	1,849,735.35
Report Surplus (Deficit):	-2,637,375.00	-2,637,375.00	274,073.82	274,073.82	2,911,448.82

Memorandum

TO: Darren Lamb, City Administrator
Board of Public Works

FROM: Kevin Quaethem, Water and Wastewater Superintendent

DATE: November 7, 2018

RE: Work Performed by the Water and Wastewater Departments

STATUS OF MAJOR CONTRACTS –OCTOBER 2018

PROJECT	VENDOR	CONTRACT AMOUNT	PREVIOUSLY APPROVED	CURRENTLY APPROVED	BALANCE
Crestview Tower	Donohue Eng.	\$ 33,000.00	\$ 32,689.53	\$289.08	\$ 21.39
Crestview Tower	Maguire Iron	\$598,100.00	\$530,195.00	-0.00	\$ 67,905.00

OCTOBER 2018

Water Pumped October 2018..... 63,448,000 2.05 mgd
Wastewater Effluent Flow October 2018. 61,630,000 1.99 mgd
Missouri One Call Locate messages received for locates.....215
Meters Issued as new.4
Meters Issued as replacements.....2
Meters Issued as new for irrigation systems0
Meters Re-reads116
Service Requests/Work Orders Completed October 2018.....26
Sewer Routines0
Delinquent Accounts actually shut off in October 2018.....52

WATER DEPARTMENT FIELD WORK PERFORMED – OCTOBER 2018

- | | |
|---|---|
| <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. Taps Made - 23 8. Water Break @ (Concrete/Sand Plant) 9. 8th Street Water Line – Cold Patch 10. Repair Curb Stop @ 511 Madison | <ol style="list-style-type: none"> 11. Repair Curb Stop @ 1004 Jefferson 12. Water Break @ Lafayette 100 Blk. 13. Snow Removal - Training 14. Raise Hydrant 1" on Bluff Rd. 15. Hydrant Replace @ 5th & Fulton 16. Repair Curb Stop @ Whispering Oaks 17. Hydrant Repair @ 4th Oak |
|---|---|

WASTEWATER DEPARTMENT FIELD WORK PERFORMED – OCTOBER 2018

1. Sewer Routines
2. Daily lab work and routines.
3. Cleaned belt press.
4. Clean Process Filters
5. Run belt press.
6. Replace Belts on Blower
7. Emergency Call @ West End Lift
9. Televised Sewer on Alberta Ln.
10. Repair West 5th Street Lift Sta.
11. MRWA Conference Attended
12. Grit Snail – Water Leak, Broken Studs
13. Service UV Lamps
14. Emergency Call – Walnut St. Alarms

ROUTINE FIELD WORK

1. 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.

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
10/2/18	#4 Chamber Dr	R	R-3	A	A	0.27	0.24
10/2/18	1651 W Fifth	R	R-16	P	A	1.05	1.00
10/2/18	1220 Lakeshore Dr	R	R-1	A	A	0.29	0.26
10/2/18	1901 W Main St	R	R-17	A	A	0.27	0.25
10/2/18	6354 Bluff Rd	R	R-18	A	A	0.44	0.46
10/10/18	4 Chamber	R	R-3	A	A	0.28	0.24
10/10/18	1899 Phoenix Center	R	R-9	A	A	1.02	0.92
10/10/18	1 Scenic Dr	R	R-11	A	A	0.40	0.34
10/10/18	1811 East Ninth St	R	R-10	A	A	1.45	1.55
10/10/18	519 Washington Ave	R	R-12	A	A	0.45	0.35
10/16/18	601 W 7th St	R	R-14	A	A	0.24	0.26
10/16/18	1220 Lakeshore Dr	R	R-1	A	A	0.22	0.25
10/16/18	#4 Chamber	R	R-3	A	A	1.60	1.67
10/16/18	6354 Bluff Rd	R	R-18	A	A	0.61	0.66
10/16/18	404 E 2nd St	R	R-13	A	A	0.24	0.27
10/3/18	1651 W fifth	Original		A	A		
10/3/18	1589 W Fifth	Upstream		A	A		
10/3/18	1719 W Fifth	Downstream		A	A		
10/3/18	1205 W Ninth 5	S		A	A		
10/3/18	898 Vossbrink Dr 11	S		A	A		
10/3/18	251 W Link Dr 7	S		A	A		
10/3/18	1152 Circle Dr 3	S		A	A		
10/3/18	594 Fulton St 4	S		A	A		
10/3/18	1806 E Ninth 6	S		A	A		
10/3/18	4983 South Point Rd 10	S		A	A		
10/3/18	18 Mike Alan Dr 8	S		A	A		
10/3/18	201 Valley Dr 9	S		A	A		
Total Routine Samples: 15				Signed: Kristen Wideman Date:10/17/18			
Monitoring Violation ___ Yes ___X___ No				Title: Lab Assistant			

Disinfectant Monitoring

PWS:	The City of Washington - Well # 3							
PWSID:	MO6010838							
County:	Franklin							
Month:	October-18					Chlorine Residual		
Date	Time	Free Cl (mg/l) @ Well	Sampler	Collection Point	Sample Type	Total	Free	Sampler
1	10:32	Well Not Running	RS					
2	10:16	Well Not Running	RS					
3	10:17	1.08	RS					
4	9:14	Well Not Running	RS					
5	8:35	Well Not Running	RS					
6	7:52	Well Not Running	GBB					
7	7:15	Well Not Running	GBB					
8	8:36	Well Not Running	RS					
9	8:51	0.5	ST					
10	9:20	Well Not Running	BR					
11	9:13	0.5	DV					
12	9:20	0.66	ST/KD					
13	8:40	0.95	KM					
14	8:05	1.46	KM					
15	9:28	2.3	RS					
16	9:15	Well Not Running	RS					
17	9:33	0.5	ST					
18	9:15	Well Not Running	RS					
19	10:21	0.5	ST					
20	9:07	Well Not Running	BR					
21	9:02	Well Not Running	BR					
22	9:19	0.91	BRS					
23	8:04	Well Not Running	RS					
24	8:03	Well Not Running	RS					
25	7:20	Well Not Running	RS					
26	9:00	Well Not Running	ST					
27	12:44	0.5	DV					
28	11:48	0.5	DV					
29	8:03	0.5	RS					
30	9:53	Well Not Running	RS					
31	8:42	12:57	RS					

Notes:

Disinfectant Monitoring

PWS:	The City of Washington - Well # 4							
PWSID:	MO6010838							
County:	Franklin							
Month:	October-18					Chlorine Residual		
Date	Time	Free Cl (mg/l) @ Well	Sampler	Sample Point	Sample Type	Total	Free	Sampler
1	10:00	Well Not Running	RS					
2	9:18	Well Not Running	RS					
3	11:06	Well Not Running	RS					
4	11:04	Well Not Running	RS					
5	9:38	Well Not Running	RS					
6	10:48	Well Not Running	GBB					
7	7:33	Well Not Running	GBB					
8	8:22	Well Not Running	RS					
9	8:21	Well Not Running	ST					
10	8:50	Well Not Running	BR					
11	9:40	0.5	DV					
12	8:20	Well Not Running	ST/KD					
13	7:27	Well Not Running	KM					
14	6:55	0.02	KM					
15	8:49	Well Not Running	RS					
16	8:48	Well Not Running	RS					
17	8:50	Well Not Running	ST					
18	8:35	Well Not Running	RS					
19	9:05	Well Not Running	ST					
20	8:43	Well Not Running	BR					
21	6:40	Well Not Running	BR					
22	8:43	Well Not Running	BRS					
23	7:57	Well Not Running	RS					
24	7:30	Well Not Running	RS					
25	8:15	Well Not Running	RS					
26	8:23	Well Not Running	ST					
27	12:21	Well Not Running	DV					
28	11:04	Well Not Running	DV					
29	7:53	Well Not Running	RS					
30	8:51	Well Not Running	RS					
31	8:33	Well Not Running	RS					

Notes:

Disinfectant Monitoring

PWS:	The City of Washington - Well # 5							
PWSID:	MO6010838							
County:	Franklin							
Month:	October-18					Chlorine Residual		
Date	Time	Free Cl (mg/l) @ Well	Sampler	Sample Point	Sample Type	Total	Free	Sampler
1	11:40	Well Not Running	RS					
2	11:12	Well Not Running	RS	#4 Chamber Dr	R	0.27	0.24	CA
3	10:43	Well Not Running	RS					
4	10:30	Well Not Running	RS					
5	1:04	Well Not Running	RS					
6	8:28	Well Not Running	GBB					
7	9:10	Well Not Running	GBB					
8	9:11	Well Not Running	RS					
9	10:06	Well Not Running	ST					
10	9:13	Well Not Running	BR	#4 Chamber Dr	R	0.28	0.24	CA
11	9:19	Well Not Running	DV					
12	10:14	Well Not Running	ST/KD					
13	9:20	0.4	KM					
14	8:40	0.4	KM					
15	10:16	Well Not Running	RS					
16	10:21	Well Not Running	RS	601 W 7th St	R	0.24	0.26	CA
17	10:46	Well Not Running	ST					
18	10:00	Well Not Running	RS					
19	11:16	Well Not Running	ST					
20	8:59	Well Not Running	BR					
21	8:53	Well Not Running	BR					
22	10:22	Well Not Running	BRS					
23	8:10	Well Not Running	RS					
24	8:45	Well Not Running	RS					
25	7:44	Well Not Running	RS					
26	10:00	Well Not Running	ST					
27	1:14	Well Not Running	DV					
28	11:54	0.5	DV					
29	8:40	2.2	RS					
30	10:50	2.2	RS					
31	9:46	2.2	RS					

Notes:

Disinfectant Monitoring

PWS:	The City of Washington - Well # 6							
PWSID:	MO6010838							
County:	Franklin							
Month:	October-18					Chlorine Residual		
Date	Time	Free Cl (mg/l) @ Well	Sampler	Sample Point	Sample Type	Total	Free	Sampler
1	9:54	1.23	RS					
2	9:13	Well Not Running	RS	1651 W 5th	R	0.27	0.24	CA
3	11:26	0.72	RS					
4	10:57	Well Not Running	RS					
5	9:42	1.12	RS					
6	10:43	1.12	GBB					
7	7:26	Well Not Running	GBB					
8	8:16	Well Not Running	RS					
9	8:16	Well Not Running	ST					
10	8:44	Well Not Running	BR	1899 Phoenix Ctr	R	1.02	0.92	CA
11	9:48	1.07	DV					
12	8:15	Well Not Running	ST/KD					
13	7:23	1.68	KM					
14	6:50	Well Not Running	KM					
15	8:44	Well Not Running	RS					
16	8:38	1	RS	1220 Lakeshore D	R	0.22	0.25	CA
17	8:44	1.2	ST					
18	8:30	Well Not Running	RS					
19	8:43	Well Not Running	ST					
20	6:33	0.95	BR					
21	6:29	1.09	BR					
22	8:37	0.95	BRS					
23	7:51	1.07	RS					
24	7:51	Well Not Running	RS					
25	7:10	Well Not Running	RS					
26	8:12	Well Not Running	ST					
27	12:14	0.5	DV					
28	12:22	0.61	DV					
29	7:45	Well Not Running	RS					
30	8:43	0.72	RS					
31	8:18	2.2	RS					

Notes:

Disinfectant Monitoring

PWS:	The City of Washington - Well # 7							
PWSID:	MO6010838							
County:	Franklin							
Month:	October-18					Chlorine Residual		
Date	Time	Free Cl (mg/l) @ Well	Sampler	Sample Point	Sample Type	Total	Free	Sampler
1	10:53	Well Not Running	RS					
2	10:43	Well Not Running	RS	1220 Lakeshore Dr.	R	0.29	0.26	CA
3	9:45	0.5	RS					
4	8:47	1.42	RS					
5	8:27	0.94	RS					
6	8:06	Well Not Running	GBB					
7	8:47	Well Not Running	GBB					
8	8:53	.165	RS					
9	9:39	Well Not Running	ST					
10	9:52	0.56	BR	1 Scenic Dr.	R	0.4	0.34	CA
11	8:54	0.54	DV					
12	9:48	Well Not Running	ST/KD					
13	9:00	0.49	KM					
14	8:25	0.47	KM					
15	9:44	0.5	RS					
16	9:43	Well Not Running	RS	#4 Chamber Dr	R	1.6	1.67	CA
17	10:05	Well Not Running	ST					
18	9:30	0.52	RS					
19	10:40	Well Not Running	ST					
20	9:52	Well Not Running	BR					
21	9:48	Well Not Running	BR					
22	9:49	Well Not Running	BRS					
23	10:53	Well Not Running	RS					
24	8:12	Well Not Running	RS					
25	7:27	1.35	RS					
26	9:36	Well Not Running	ST					
27	12:58	Well Not Running	DV					
28	11:20	0.5	DV					
29	8:12	0.5	RS					
30	10:14	0.5	RS					
31	9:00	0.54	RS					

Notes:

Disinfectant Monitoring

PWS:		The City of Washington - Well # 8						
PWSID:		MO6010838						
County:		Franklin						
Month:		October-18				Chlorine Residual		
Date	Time	Free Cl (mg/l) @ Well	Sampler	Collection Point	Sample Type	Total	Free	Sampler
1	9:22	0.5	RS					
2	7:55	0.64	RS	1901 W. Main St.	R	0.27	0.25	CA
3	8:55	1.55	RS					
4	10:38	2.84	RS					
5	10:02	1.18	RS					
6	8:42	Well Not Running	GBB					
7	9:24	Well Not Running	GBB					
8	7:55	1.4	RS					
9	7:20	Well Not Running	ST					
10	9:15	Well Not Running	BR	1811 East 9th St.	R	1.45	1.55	CA
11	10:00	1.05	DV					
12	7:41	Well Not Running	ST/KD					
13	9:35	1.02	KM					
14	8:55	2.86	KM					
15	8:00	1.34	RS					
16	8:08	0.98	RS	6354 Bluff Rd	R	0.61	0.66	CA
17	7:52	Well Not Running	ST					
18	8:01	1.34	RS					
19	7:56	Well Not Running	ST					
20	8:08	Well Not Running	BR					
21	8:59	Well Not Running	BR					
22	7:57	2.92	BRS					
23	7:37	0.78	RS					
24	7:36	1.08	RS					
25	6:44	2.92	RS					
26	7:35	0.94	ST					
27	12:07	0.9	DV					
28	12:28	0.83	DV					
29	7:29	0.99	RS					
30	8:17	0.83	RS					
31	8:01	1.49	RS					

Notes:

Disinfectant Monitoring

PWS:	The City of Washington - Well # 9							
PWSID:	MO6010838							
County:	Franklin							
Month:	October-18					Chlorine Residual		
Date	Time	Free Cl (mg/l) @ Well	Sampler	Collection Point	Sample Type	Total	Free	Sampler
1	8:46	2.14	RS					
2	7:48	Well Not Running	RS	6354 Bluff	R	0.44	0.46	CA
3	8:41	Well Not Running	RS					
4	10:08	Well Not Running	RS					
5	2:54	Well Not Running	RS					
6	8:36	Well Not Running	GBB					
7	9:18	Well Not Running	GBB					
8	7:48	Well Not Running	RS					
9	7:25	Well Not Running	ST					
10	8:02	Well Not Running	BR	519 Washington A	R	0.45	0.35	CA
11	10:15	Well Not Running	DV					
12	7:33	Well Not Running	ST/KD					
13	9:30	2.16	KM					
14	8:45	2.2	KM					
15	7:54	2.09	RS					
16	7:57	2.16	RS	404 E 2nd St	R	0.24	0.27	CA
17	7:40	Well Not Running	ST					
18	7:52	2.25	RS					
19	7:46	Well Not Running	ST					
20	6:00	Well Not Running	BR					
21	6:02	2.07	BR					
22	7:50	2.13	BRS					
23	7:31	2.02	RS					
24	7:27	2.2	RS					
25	6:39	2.08	RS					
26	7:11	Well Not Running	ST					
27	11:32	Well Not Running	DV					
28	12:47	Well Not Running	DV					
29	7:21	Well Not Running	RS					
30	8:10	1.84	RS					
31	7:53	2.28	RS					

Notes:

Disinfectant Monitoring

PWS:	The City of Washington - Well # 10							
PWSID:	MO6010838							
County:	Franklin							
Month:	October-18					Chlorine Residual		
Date	Time	Free Cl (mg/l) @ Well	Sampler	Collection Point	Sample Type	Total	Free	Sampler
1	9:35	1	RS					
2	8:43	Well Not Running	RS					
3	9:02	0.8	RS					
4	10:51	0.59	RS					
5	9:52	0.74	RS					
6	8:49	Well Not Running	GBB					
7	9:30	Well Not Running	GBB					
8	8:04	1.37	RS					
9	8:04	Well Not Running	ST					
10	8:25	1.21	BR					
11	10:05	Well Not Running	DV					
12	7:58	Well Not Running	ST/KD					
13	7:15	0.54	KM					
14	6:40	1.29	KM					
15	8:19	0.87	RS					
16	8:24	0.51	RS					
17	8:12	Well Not Running	ST					
18	8:15	0.52	RS					
19	8:13	Well Not Running	ST					
20	6:23	0.62	BR					
21	6:17	Well Not Running	BR					
22	8:10	Well Not Running	BRS					
23	7:45	0.52	RS					
24	7:44	0.53	RS					
25	6:50	0.75	RS					
26	7:55	Well Not Running	ST					
27	12:00	0.5	DV					
28	12:41	Well Not Running	DV					
29	7:38	Well Not Running	RS					
30	8:29	0.74	RS					
31	8:09	0.65	RS					

Notes:

Disinfectant Monitoring

PWS:	The City of Washington - Well # 11							
PWSID:	MO6010838							
County:	Franklin							
Month:	October-18					Chlorine Residual		
Date	Time	Free Cl (mg/l) @ Well	Sampler	Sample Point	Sample Type	Total	Free	Sampler
1	11:28	1.74	RS					
2	11:03	0.63	RS					
3	8:24	Well Not Running	RS					
4	Aug-38	Well Not Running	RS					
5	8:30	Well Not Running	RS					
6	8:17	Well Not Running	GBB					
7	9:00	Well Not Running	GBB					
8	9:01	2.86	RS					
9	9:55	Well Not Running	ST					
10	10:17	Well Not Running	BR					
11	8:28	0.5	DV					
12	9:59	Well Not Running	ST/KD					
13	9:10	Well Not Running	KM					
14	8:35	Well Not Running	KM					
15	10:07	Well Not Running	RS					
16	10:12	2.89	RS					
17	10:35	Well Not Running	ST					
18	9:50	Well Not Running	RS					
19	11:06	Well Not Running	ST					
20	10:10	Well Not Running	BR					
21	10:08	Well Not Running	BR					
22	10:13	2.82	BRS					
23	11:34	2.46	RS					
24	8:35	2.39	RS					
25	7:34	2.3	RS					
26	9:50	Well Not Running	ST					
27	1:05	Well Not Running	DV					
28	11:28	Well Not Running	DV					
29	8:20	1.96	RS					
30	10:37	1.81	RS					
31	9:33	1.62	RS					

Notes: