

MINUTES OF THE BOARD OF PUBLIC WORKS
Tuesday, November 13, 2018

The Regular Meeting of the Board of Public Works was held on Tuesday, November 13, 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	Present
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	Absent
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.

A motion was made by Mr. Mitchell and seconded by Mr. Richardson to approve the minutes from the regular October 9, 2018 meeting. The motion passed without dissent.

Priority

There are no priority items, everything is going good. We have spent some time down on Rabbit Trail, we still have not figured out where the water is coming from at this time. We have diverted the water into a storm drain so we won't have any icing issues there this winter. It's not in the street and that's a good thing. We will continue to monitor this issue.

Wastewater

Everything is good at the plant. There have been a couple of sewer calls, most were service laterals. There have been no complaints about odor issues. We have received a couple of quotes in on the air scrubber, looks like the scrubber equipment is running about \$94,000.00 and we have \$140,000.00 in the budget for this. The piping will all be done in-house. Once all the bids are in we will have the proposal to look at and make a decision. A lot of these pieces of equipment are region specific to sellers. You can't just go out and get three (3) bids from someone locally because there is only one local person.

Water

At Fifth & Oak that originally started with a water line replacement. There were two situations, a gas line was hit by us and then a contractor hit one. There have been some issues with Spire's people locating the lines. We are replacing all the curbs and gutters, sidewalk and then overlaying the entire street. This is a full re-construction. This has been going on for some time now. We have to get utility taken care of, in the past we used to pave streets without doing a full review. We now go and replace things before we have a break knowing a year later we will have to fix it again. We try to get ahead of these things. Right now the curb schedule is to be for paving to be done by November but with this weather we are a little concerned. We know asphalt plants will be opened up a little later with the bridge work. It will be significantly better than normal by December. New sidewalks, new curbs, new access to Emmanuel Lutheran, they will actually have a ramp on their side which is consistent with our ADA transition plan. Overall the new drainage will be taking a lot of the water off the streets, there were new pipes put in, there was concerns about water coming down Oak Street, by the Bank of Washington. We are hoping that this will alleviate that as well. Our portion as far as the Public Works goes was the water line replacement. That was done earlier this year to get ahead of the project.

Mr. Mitchell has asked if there were any plans to be make this any wider. Mr. Nilges says there is no right-of-way to widen, so there was no consideration. This isn't a very heavily driven street, Cedar Street was widened 18", however with Borgia grade school there it made sense. There have been concerns that since it was widened that people are driving really fast down this street.

Maguire Iron & Steel Final Payment. This was a negotiated price that came in under bid and part was a negotiated cost. We still don't have the grass done at site and there are a couple of ruts that need fixing. However, the City will be doing work up there to pour a slab for the generator so we will be making our own ruts. There is also a pole that needs to be pulled, so we negotiated the remaining funds and the grass work to be done in-house. The remaining money will be rolled into this years' budget and the final finish up will be in the spring.

A motion was made by Mr. Richardson and second by Mr. Mitchell to approve Maguire Iron & Steel. The motion passed without dissent.

Software for Metering System – The new software is up and running. This has given us the ability to do in depth leak detection for residents. It gives us the opportunity once we find the address that looks like it may have an issue to send out email once it goes over a certain threshold. Whereas before we just got a random ten-page leak detection report. We had no way of tracking them. This is a nice system and is user friendly, a better updating of the system.

We would like to start trying to gain more email addresses from our residents. With the system once we find a leak we would be able to send them an email saying we have detected a leak at your property, please contact our office. It's not that we want to get into anyone' life, but it would be a way for us to assist some of the residents that don't know they have leaks.

The Board agrees that this sounds like a great idea, but with all the internet scams they worry about the reluctance of some residents. This is totally understandable we do have some that have already registered their email address with us when they came in to register for new services.

If the city has their email address, we would be able to email their water bill. There's more to this than just letting them know they have a leak. Going paperless for the bills would be a good benefit. We need to look into the Code Red service and see if an email address can be given. There is a lot this new system could do for us other than just leak detection. We are at the point where we have the technology to do that to help out the residents. This isn't just for water we are looking into other software that will help with our collection to be able to take payments on line for other services. This would be a good overall for the city to move forward.

The leak detection report would be for everything on the house side of the meter, just past the meter we have had the question asked on why we can't detect if there's a leak to the main and the meter. Right now there's no way to quantify if there is a pin hole leak in your service line. From the curb stop to the meter itself we have no way of detecting that, you can't quantify the loss of water. It can only be quantified once it comes to the surface. Irrigation systems will show up on this as well, anything past the meter. The gas company has a similar system that shows when there is more usage and they will contact you to see if there might be a problem. It is important to be able and let our residents know there could be issues.

Old Business

None. We talked about Crestview Tower and the final payment earlier.

Open Discussion

Cold Weather – With the possibilities of the older lines breaking during this cold weather we will always have to be reactive in these situations we can't predict. If we had the funds to replace all these old lines it would be good, but for now we will always have to be reactive.

There have been times when we have been proactive, Oak Street and Eighth Street where we were proactive. We had a leak and decided to just fix it instead of patching. Yes, it takes money and time and residents have had to deal with this for months to get it taken care of, but we are doing better at identifying which streets need to be paved and inspected.

At the Public Works we keep track of all breaks and when we see there has been four or five breaks, then we look at replacing the line. Most are 2" and 4" lines when we change those over to 6" we are able to put in a fire hydrant which in turn helps fire protection for the areas that don't have it. So we do keep track of where the breaks are at and how many on the line. Like 8th Street this was an 8" line but there had been four (4) breaks in the same year. So it was time to replace. We do try to approach the issues where they are like downtown. We could have three (3) breaks this week and there's nothing we can do about it that's the bad part. We have a great bunch of guys that don't mind coming out in the middle of the night, they do what they have to do to get the problem fixed.

When we do have a break we are trying to get that repaired with cold patch instead of letting set with gravel all winter long and rock spilling out all over the road. Cold patch is better for the driving surface through the winter till we can come back and do the hot patch. Asphalt patches are a temporary solution. We do get a couple of residents comments on these, but once you explain to them that they are temporary fixes, they are okay. Since we do in-house paving it takes time, we usually do three or four through April to November with our own Street Department guys and that takes time. One or two complaints a month isn't bad. Less than the complaints when we just filled with rock.

Next Scheduled Meeting Date

The next scheduled meeting date is December 11, 2018.

Adjourn

There being no further business the meeting adjourned on a motion by Mr. Mitchell 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



	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 Charges	22,000.00	22,000.00	1,883.23	3,743.63	-18,256.37 82.98 %
400-35-000-450900	Revenues-All Other	15,000.00	15,000.00	1,348.45	3,619.28	-11,380.72 75.87 %
400-35-000-453100	Water Sales	1,390,000.00	1,390,000.00	116,080.20	262,230.55	-1,127,769.45 81.13 %
400-35-000-453200	Water Meter Sales	10,000.00	10,000.00	1,405.44	4,126.14	-5,873.86 58.74 %
400-35-000-453500	Connection Charges	25,000.00	25,000.00	1,950.00	2,550.00	-22,450.00 89.80 %
400-35-000-453550	Tap Charges	500.00	500.00	0.00	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	0.00	793.35	-2,206.65 73.56 %
400-35-000-461200	Rent/Lease-Municipal Property/Bui	32,425.00	32,425.00	3,560.36	8,305.74	-24,119.26 74.38 %
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	126,227.68	287,793.69	-1,219,131.31 80.90 %
Expense						
400-35-000-510100	Salaries/Wages-Regular	404,700.00	404,700.00	37,427.52	62,246.11	342,453.89 84.62 %
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	818.20	1,447.28	7,312.72 83.48 %
400-35-000-511100	FICA Taxes	32,050.00	32,050.00	2,844.17	4,711.57	27,338.43 85.30 %
400-35-000-511300	Health Insurance	86,520.00	86,520.00	5,694.87	11,520.76	74,999.24 86.68 %
400-35-000-511400	Dental Insurance	5,030.00	5,030.00	374.85	757.86	4,272.14 84.93 %
400-35-000-511600	Life Insurance	620.00	620.00	43.92	89.48	530.52 85.57 %
400-35-000-511700	LAGERS Retirement Plan	26,460.00	26,460.00	2,228.62	3,711.57	22,748.43 85.97 %
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	12,611.66	138,728.34 91.67 %
400-35-000-520300	Technical Services	45,950.00	45,950.00	2,970.64	6,725.30	39,224.70 85.36 %
400-35-000-520400	Other Contracted Services	38,000.00	38,000.00	3,847.67	25,491.90	12,508.10 32.92 %
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	116.16	277.02	1,722.98 86.15 %
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	133.18	808.33	11,391.67 93.37 %
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	56.83	113.66	886.34 88.63 %
400-35-000-522100	Advertising	200.00	200.00	0.00	222.75	-22.75 -11.38 %
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	236.33	276.33	8,023.67 96.67 %
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	13.00	422.01	777.99 64.83 %
400-35-000-522700	Professional Dues & Memberships	2,150.00	2,150.00	1,400.00	1,400.00	750.00 34.88 %
400-35-000-522900	Postage	13,000.00	13,000.00	814.00	1,628.00	11,372.00 87.48 %
400-35-000-522950	Credit Card Fees	7,000.00	7,000.00	772.96	1,497.47	5,502.53 78.61 %
400-35-000-530410	Parts-Vehicle	2,000.00	2,000.00	5.51	68.96	1,931.04 96.55 %
400-35-000-530415	Parts-Equipment	4,000.00	4,000.00	94.17	531.47	3,468.53 86.71 %
400-35-000-530420	Offices Supplies	1,000.00	1,000.00	31.89	31.89	968.11 96.81 %
400-35-000-530500	Asphalt/Rock/Cement	20,000.00	20,000.00	1,596.77	4,695.58	15,304.42 76.52 %
400-35-000-530600	Straw/Seeding/Plants	500.00	500.00	10.00	131.65	368.35 73.67 %

Budget Report

For Fiscal: 2018-2019 Period Ending: 11/30/2018

	Original Total Budget	Current Total Budget	Period Activity	Fiscal Activity	Variance (Unfavorable)	Percent Remaining
400-35-000-530650	0.00	0.00	0.00	2,430.00	-2,430.00	0.00 %
400-35-000-530700	600.00	600.00	0.00	0.00	600.00	100.00 %
400-35-000-530800	7,000.00	7,000.00	160.66	744.78	6,255.22	89.36 %
400-35-000-531110	165,000.00	165,000.00	14,740.15	14,740.15	150,259.85	91.07 %
400-35-000-531120	1,500.00	1,500.00	0.00	53.54	1,446.46	96.43 %
400-35-000-531300	12,500.00	12,500.00	318.89	1,223.14	11,276.86	90.21 %
400-35-000-532100	46,300.00	46,300.00	12,050.00	13,547.58	32,752.42	70.74 %
400-35-000-532200	33,000.00	33,000.00	77.90	2,732.37	30,267.63	91.72 %
400-35-000-533100	15,000.00	15,000.00	935.75	935.75	14,064.25	93.76 %
400-35-000-533300	0.00	0.00	51.23	73.36	-73.36	0.00 %
400-35-000-534100	395,000.00	395,000.00	0.00	0.00	395,000.00	100.00 %
400-35-000-534200	12,195.00	12,195.00	46.83	646.29	11,548.71	94.70 %
400-35-000-541100	273,000.00	273,000.00	0.00	0.00	273,000.00	100.00 %
400-35-000-541110	25,000.00	25,000.00	0.00	0.00	25,000.00	100.00 %
400-35-000-542100	45,000.00	45,000.00	25,046.00	25,046.00	19,954.00	44.34 %
400-35-000-542200	87,500.00	87,500.00	4,608.98	10,406.98	77,093.02	88.11 %
400-35-000-559200	233,300.00	233,300.00	0.00	0.00	233,300.00	100.00 %
400-35-090-559110	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	119,567.65	213,998.55	2,263,691.45	91.36 %
Fund: 400 - WATER FUND Surplus (Deficit):	-970,765.00	-970,765.00	6,660.03	73,795.14	1,044,560.14	107.60 %

Fund: 410 - SEWAGE TREATMENT FUND

Revenue						
410-36-000-418500	Sanitary Sewer District	20,000.00	20,000.00	3,882.51	3,882.51	-16,117.49 80.59 %
410-36-000-450600	Penalties/Interest Charges	45,000.00	45,000.00	2,902.64	5,410.25	-39,589.75 87.98 %
410-36-000-450900	Revenues-All Other	5,000.00	5,000.00	0.00	0.00	-5,000.00 100.00 %
410-36-000-453600	Labor & Equipment Charges	100.00	100.00	0.00	0.00	-100.00 100.00 %
410-36-000-453700	Miscellaneous Materials Sold	200.00	200.00	0.00	0.00	-200.00 100.00 %
410-36-000-454100	Sewer Service Charges	2,500,000.00	2,500,000.00	212,186.07	436,955.46	-2,063,044.54 82.52 %
410-36-000-454125	Surcharge Fees	25,000.00	25,000.00	0.00	1,491.54	-23,508.46 94.03 %
410-36-000-454150	Leachate Disposal Charge	35,000.00	35,000.00	510.00	1,020.00	-33,980.00 97.09 %
410-36-000-454200	Sewer Connection Charges	35,000.00	35,000.00	3,359.00	4,484.00	-30,516.00 87.19 %
410-36-000-480000	Investment Income	5,000.00	5,000.00	0.00	0.00	-5,000.00 100.00 %
410-36-000-480200	Investment Income.-Bond Acct.	390,000.00	390,000.00	0.00	836.34	-389,163.66 99.79 %
Revenue Total:		3,060,300.00	3,060,300.00	222,840.22	454,080.10	-2,606,219.90 85.16 %

Expense						
410-36-000-510100	Salaries/Wages-Regular	163,310.00	163,310.00	15,333.17	25,382.34	137,927.66 84.46 %
410-36-000-510200	Wages-PartTime/Permanent	5,310.00	5,310.00	0.00	0.00	5,310.00 100.00 %
410-36-000-510300	Salaries/Wages-Overtime	3,980.00	3,980.00	176.99	426.71	3,553.29 89.28 %
410-36-000-511100	FICA Taxes	13,300.00	13,300.00	1,125.43	1,853.39	11,446.61 86.06 %
410-36-000-511300	Health Insurance	39,720.00	39,720.00	2,908.02	5,884.19	33,835.81 85.19 %
410-36-000-511400	Dental Insurance	2,310.00	2,310.00	171.72	347.68	1,962.32 84.95 %
410-36-000-511600	Life Insurance	310.00	310.00	17.11	35.09	274.91 88.68 %
410-36-000-511700	LAGERS Retirement Plan	10,970.00	10,970.00	992.64	1,651.77	9,318.23 84.94 %
410-36-000-512605	Employee Incentive Program	200.00	200.00	0.00	0.00	200.00 100.00 %
410-36-000-512700	HRA Deductible	4,200.00	4,200.00	0.00	0.00	4,200.00 100.00 %
410-36-000-520250	Administration, Finance & IT Depar	78,120.00	78,120.00	0.00	6,510.00	71,610.00 91.67 %
410-36-000-520300	Technical Services	1,500.00	1,500.00	50.05	100.10	1,399.90 93.33 %
410-36-000-520400	Other Contracted Services	10,800.00	10,800.00	427.66	1,021.23	9,778.77 90.54 %
410-36-000-521300	Tipping Fee - City of Washington	300.00	300.00	0.00	0.00	300.00 100.00 %
410-36-000-521530	Lawn & Grounds Care Services	1,200.00	1,200.00	0.00	0.00	1,200.00 100.00 %
410-36-000-521540	Uniform Cleaning Service	600.00	600.00	38.72	77.44	522.56 87.09 %
410-36-000-521560	Building Repair & Maintenance	500.00	500.00	0.00	0.00	500.00 100.00 %
410-36-000-521620	Equipment Repair & Maintenance	23,285.00	23,285.00	2,298.01	2,431.19	20,853.81 89.56 %
410-36-000-521630	Vehicle Repair & Maintenance	5,450.00	5,450.00	0.00	0.00	5,450.00 100.00 %
410-36-000-521640	Equipment Rental	1,500.00	1,500.00	56.83	113.66	1,386.34 92.42 %
410-36-000-522100	Advertising	500.00	500.00	0.00	0.00	500.00 100.00 %
410-36-000-522200	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: 11/30/2018

		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	176.76	216.76	3,083.24	93.43 %
<u>410-36-000-522410</u>	Telephone-Alarm Control	3,000.00	3,000.00	0.00	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	13.00	13.00	687.00	98.14 %
<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	814.00	5,186.00	86.43 %
<u>410-36-000-522950</u>	Credit Card Fees	7,000.00	7,000.00	772.94	1,497.44	5,502.56	78.61 %
<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	0.00	65.86	634.14	90.59 %
<u>410-36-000-530415</u>	Parts-Equipment	12,000.00	12,000.00	364.11	777.48	11,222.52	93.52 %
<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	68.64	24,931.36	99.73 %
<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	55.17	2,244.83	97.60 %
<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	2,442.55	2,442.55	42,557.45	94.57 %
<u>410-36-000-531120</u>	Heating Fuel	2,000.00	2,000.00	0.00	53.54	1,946.46	97.32 %
<u>410-36-000-531300</u>	Gasoline & Oil	6,500.00	6,500.00	275.61	436.97	6,063.03	93.28 %
<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	51.24	73.36	-73.36	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	58.90	111.69	11,163.31	99.01 %
<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	0.00	364.13	44,635.87	99.19 %
<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	26,732.42	44,502.76	157,797.24	78.00 %
<u>410-36-361-510300</u>	Salaries/Wages-Overtime	3,750.00	3,750.00	123.67	423.46	3,326.54	88.71 %
<u>410-36-361-511100</u>	FICA Taxes	15,670.00	15,670.00	1,967.05	3,263.18	12,406.82	79.18 %
<u>410-36-361-511300</u>	Health Insurance	46,800.00	46,800.00	3,936.76	7,936.40	38,863.60	83.04 %
<u>410-36-361-511400</u>	Dental Insurance	2,720.00	2,720.00	235.64	475.20	2,244.80	82.53 %
<u>410-36-361-511600</u>	Life Insurance	370.00	370.00	32.41	65.59	304.41	82.27 %
<u>410-36-361-511700</u>	LAGERS Retirement Plan	12,920.00	12,920.00	1,718.72	2,875.16	10,044.84	77.75 %
<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	6,510.00	71,610.00	91.67 %
<u>410-36-361-520300</u>	Technical Services	10,000.00	10,000.00	1,371.20	2,515.65	7,484.35	74.84 %
<u>410-36-361-520400</u>	Other Contracted Services	22,565.00	22,565.00	1,047.50	1,061.50	21,503.50	95.30 %
<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	154.88	1,345.12	89.67 %
<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	4,828.22	5,517.20	32,182.80	85.37 %
<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	64.38	435.62	87.12 %
<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	100.00	7,900.00	98.75 %
<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: 11/30/2018

		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	556.95	963.95	4,036.05	80.72 %
<u>410-36-361-530200</u>	Lab Supplies	8,600.00	8,600.00	28.80	28.80	8,571.20	99.67 %
<u>410-36-361-530410</u>	Parts-Vehicle	800.00	800.00	34.12	34.12	765.88	95.74 %
<u>410-36-361-530415</u>	Parts-Equipment	37,000.00	37,000.00	276.46	2,729.98	34,270.02	92.62 %
<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	0.00	19.56	1,480.44	98.70 %
<u>410-36-361-530600</u>	Straw/Seeding/Plants	300.00	300.00	0.00	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	161.23	209.43	3,790.57	94.76 %
<u>410-36-361-531110</u>	Electricity	175,000.00	175,000.00	11,736.29	11,736.29	163,263.71	93.29 %
<u>410-36-361-531120</u>	Heating Fuel	14,000.00	14,000.00	0.00	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	0.00	14.31	2,485.69	99.43 %
<u>410-36-361-533100</u>	Chemicals	16,700.00	16,700.00	0.00	1,485.00	15,215.00	91.11 %
<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	257.98	257.98	11,167.02	97.74 %
<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	83,363.51	146,921.91	4,579,988.09	96.89 %
	Fund: 410 - SEWAGE TREATMENT FUND Surplus (Deficit):	-1,666,610.00	-1,666,610.00	139,476.71	307,158.19	1,973,768.19	118.43 %
	Report Surplus (Deficit):	-2,637,375.00	-2,637,375.00	146,136.74	380,953.33	3,018,328.33	114.44 %

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	126,227.68	287,793.69	-1,219,131.31	80.90 %
Expense	2,477,690.00	2,477,690.00	119,567.65	213,998.55	2,263,691.45	91.36 %
Fund: 400 - WATER FUND Surplus (Deficit):	-970,765.00	-970,765.00	6,660.03	73,795.14	1,044,560.14	107.60 %
Fund: 410 - SEWAGE TREATMENT FUND						
Revenue	3,060,300.00	3,060,300.00	222,840.22	454,080.10	-2,606,219.90	85.16 %
Expense	4,726,910.00	4,726,910.00	83,363.51	146,921.91	4,579,988.09	96.89 %
Fund: 410 - SEWAGE TREATMENT FUND Surplus (Deficit):	-1,666,610.00	-1,666,610.00	139,476.71	307,158.19	1,973,768.19	118.43 %
Report Surplus (Deficit):	-2,637,375.00	-2,637,375.00	146,136.74	380,953.33	3,018,328.33	114.44 %

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	6,660.03	73,795.14	1,044,560.14
410 - SEWAGE TREATMENT FUND	-1,666,610.00	-1,666,610.00	139,476.71	307,158.19	1,973,768.19
Report Surplus (Deficit):	-2,637,375.00	-2,637,375.00	146,136.74	380,953.33	3,018,328.33

Memorandum

TO: Darren Lamb, City Administrator
Board of Public Works

FROM: Kevin Quaethem, Water and Wastewater Superintendent

DATE: December 7, 2018

RE: Work Performed by the Water and Wastewater Departments

STATUS OF MAJOR CONTRACTS –NOVEMBER 2018

PROJECT	VENDOR	CONTRACT AMOUNT	PREVIOUSLY APPROVED	CURRENTLY APPROVED	BALANCE
N/A					

NOVEMBER 2018

Water Pumped November 2018..... 51,473,000 1.72 mgd

Wastewater Effluent Flow November 2018. 69,110,000 2.30 mgd

Missouri One Call Locate messages received for locates.....140

Meters Issued as new.5

Meters Issued as replacements.....0

Meters Issued as new for irrigation systems0

Meters Re-reads18

Service Requests/Work Orders Completed November 2018.....10

Sewer Routines12

Delinquent Accounts actually shut off in November 2018.....34

WATER DEPARTMENT FIELD WORK PERFORMED – NOVEMBER 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 – 15 (KJU & 8. Water Break @ International & 5th 9. Water Break @ Stonecrest 10. Water Break @ Phoenix Center 11. Hauled Dirt to Landfill | <ol style="list-style-type: none"> 12. Emergency Call Out – 4101 Brookview 13. Snow Removal 14. Camera Work @ City Hall 15. Hung Christmas Lights Downtown 16. Cold Patch @ 411 High St. 17. Painting Inside Well #3 18. Rabbit Trail – French Drain 19. Water Leak @ Hickory & 5th |
|---|---|

WASTEWATER DEPARTMENT FIELD WORK PERFORMED – NOVEMBER 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. Televised line @ 2nd & Elm
9. Televised Line @ 4167 Brookview
10. Locate Sewers @ Vossbrink Rd
11. Pulled UV Lights
12. Repair of Landfill Sewers

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.



December 3, 2018

St. Louis Regional Office
7545 South Lindbergh Blvd., Suite 210
St. Louis, MO 63125-4843

Re: Disinfectant Monitoring Log for Month of November 2018

Enclosed you will find the Disinfectant Monitoring Log containing all our daily chlorine readings as of November 2018.

Please let us know if you need any additional data.

Sincerely,

Kevin Quaethem
Water/WW Superintendent

KQ/bh

PUBLIC WORKS
Office Location: 4 Chamber Drive
Washington, MO 63090

Mailing Address: 405 Jefferson Street
Washington, MO 63090

WATER/WASTE WATER/STREET DEPARTMENTS (636)390-1030 Fax: (636)390-1038

Disinfectant Monitoring

PWS:	The City of Washington - Well # 3							
PWSID:	MO6010838							
County:	Franklin							
Month:	November-18					Chlorine Residual		
Date	Time	Free Cl (mg/l) @ Well	Sampler	Collection Point	Sample Type	Total	Free	Sampler
1	10:16	0.5	ST					
2	9:09	0.5	ST					
3	8:50	0.5	KD					
4	6:03	Well Not Running	KD					
5	8:33	1.57	RS					
6	10:09	1.73	RS	1220 Lakeshore D	R	0.72	0.74	CA
7	9:40	1.56	RS					
8	10:39	2.46	RS					
9	8:47	2.42	RS					
10	5:39	2.24	RW					
11	5:28	2.64	RW					
12	5:27	Well Not Running	RW					
13	7:52	2.35	RS/BR	405 Jefferson St.	R	0.82	0.84	CA
14	11:23	2.57	RS/BR					
15	7:52	2.35	BR					
16	7:20	Well Not Running	DV					
17	4:58	Well Not Running	ST					
18	9:17	2.87	ST					
19	8:10	1.1	RS					
20	8:57	1.4	RS					
21	8:11	Well Not Running	RS/DR					
22	6:08	1:10	CA					
23	5:30	Well Not Running	CA					
24	5:25	Well Not Running	CA					
25	5:25	1:15	CA					
26	9:06	Well Not Running	BR					
27	9:45	2.81	ST					
28	8:44	0.5	DV	#4 Chamber Dr.	R	0.85	0.96	CA
29	10:18	2.95	RS					
30	8:58	Well Not Running	RS					
31								

Notes:

Disinfectant Monitoring

PWS:	The City of Washington - Well # 4							
PWSID:	MO6010838							
County:	Franklin							
Month:	November-18					Chlorine Residual		
Date	Time	Free Cl (mg/l) @ Well	Sampler	Sample Point	Sample Type	Total	Free	Sampler
1	9:36	Well Not Running	ST					
2	8:28	Well Not Running	ST					
3	8:35	Well Not Running	KD					
4	6:23	Well Not Running	KD					
5	8:55	0.51	RS					
6	9:43	1.74	RS	1 Scenic Dr	R	1.12	1.04	CA
7	9:15	1.55	RS					
8	10:14	1.54	RS					
9	8:12	1.56	RS					
10	5:58	Well Not Running	RW					
11	6:01	Well Not Running	RW					
12	6:00	Well Not Running	RW					
13	8:48	Well Not Running	RS/BR	1220 Lakeshore Dr	R	0.87	0.85	CA
14	11:09	1.72	RS/BR					
15	10:18	1.74	BR					
16	8:34	Well Not Running	DV					
17	4:28	Well Not Running	ST					
18	9:01	Well Not Running	ST					
19	8:00	1.93	RS					
20	8:32	1.94	RS					
21	8:35	2.07	RS/DR					
22	6:14	Well Not Running	CA					
23	5:47	Well Not Running	CA					
24	5:30	Well Not Running	CA					
25	5:30	Well Not Running	CA					
26	8:44	Well Not Running	BR					
27	8:53	Well Not Running	ST					
28	8:23	Well Not Running	DV	515 Washington Ave	R	0.89	0.88	CA
29	9:41	2.2	RS					
30	8:30	2.06	RS					
31								

Notes:

Disinfectant Monitoring

PWS:	The City of Washington - Well # 5							
PWSID:	MO6010838							
County:	Franklin							
Month:	November-18					Chlorine Residual		
Date	Time	Free Cl (mg/l) @ Well	Sampler	Sample Point	Sample Type	Total	Free	Sampler
1	11:45	Well Not Running	ST					
2	11:03	0.5	ST					
3	9:00	0.5	KD					
4	5:10	Well Not Running	KD					
5	8:34	2.2	RS					
6	9:10	Well Not Running	RS	601 W 7th St	R	0.83	0.85	CA
7	11:00	Well Not Running	RS					
8	11:31	1.74	RS					
9	10:57	Well Not Running	RS					
10	4:50	Well Not Running	RW					
11	4:52	Well Not Running	RW					
12	4:46	Well Not Running	RW					
13	7:46	Well Not Running	RS/BR	515 Washington Ave	R	1.34	1.34	CA
14	11:48	2.2	RS/BR					
15	10:39	Well Not Running	BR					
16	7:48	Well Not Running	DV					
17	5:29	Well Not Running	ST					
18	9:52	Well Not Running	ST					
19	8:51	2.2	RS					
20	9:41	2.4	RS					
21	8:05	2.4	RS/DR					
22	5:30	Well Not Running	CA					
23	5:00	Well Not Running	CA					
24	5:00	Well Not Running	CA					
25	5:00	Well Not Running	CA					
26	8:57	Well Not Running	BR					
27	10:50	Well Not Running	ST					
28	9:14	Well Not Running	DV	405 Jefferson St.	R	0.83	0.87	CA
29	11:08	2.2	RS					
30	10:29	Well Not Running	RS					
31								

Notes:

Disinfectant Monitoring

PWS:	The City of Washington - Well # 6							
PWSID:	MO6010838							
County:	Franklin							
Month:	November-18						Chlorine Residual	
Date	Time	Free Cl (mg/l) @ Well	Sampler	Sample Point	Sample Type	Total	Free	Sampler
1	9:29	Well Not Running	ST					
2	8:15	Well Not Running	ST					
3	8:31	Well Not Running	KD					
4	6:27	0.57	KD					
5	8:48	Well Not Running	RS					
6	9:35	1.06	RS					
7	9:08	2.2	RS					
8	10:07	1.05	RS					
9	8:05	Well Not Running	RS					
10	6:00	Well Not Running	RW					
11	6:07	Well Not Running	RW					
12	6:05	Well Not Running	RW					
13	8:40	Well Not Running	RS/BR					
14	11:02	1.01	RS/BR					
15	10:12	Well Not Running	BR					
16	8:41	Well Not Running	DV					
17	4:19	Well Not Running	ST					
18	8:56	Well Not Running	ST					
19	7:50	Well Not Running	RS					
20	8:25	1.5	RS					
21	8:40	Well Not Running	RS/DR					
22	6:20	Well Not Running	CA					
23	6:00	1.35	CA					
24	5:35	Well Not Running	CA					
25	5:37	Well Not Running	CA					
26	8:38	Well Not Running	BR					
27	12:14	Well Not Running	ST					
28	8:19	Well Not Running	DV					
29	9:36	Well Not Running	RS					
30	8:24	2.4	RS					
31								

Notes:

Disinfectant Monitoring

PWS:	The City of Washington - Well # 7							
PWSID:	MO6010838							
County:	Franklin							
Month:	November-18						Chlorine Residual	
Date	Time	Free Cl (mg/l) @ Well	Sampler	Sample Point	Sample Type	Total	Free	Sampler
1	11:08	Well Not Running	ST					
2	10:40	Well Not Running	ST					
3	6:29	Well Not Running	KD					
4	5:30	Well Not Running	KD.					
5	9:36	Well Not Running	RS					
6	10:24	2.2	RS					
7	10:14	0.53	RS					
8	11:03	2.2	RS					
9	9:24	0.5	RS					
10	5:10	0.54	RW					
11	5:13	Well Not Running	RW					
12	5:08	Well Not Running	RW					
13	8:36	0.53	RS/BR					
14	11:31	2.2	RS/BR					
15	8:41	0.59	BR					
16	7:59	Well Not Running	DV					
17	5:10	Well Not Running	ST					
18	9:35	0.73	ST					
19	8:35	0.76	RS					
20	9:18	0.78	RS					
21	7:46	Well Not Running	RS/DR					
22	5:50	Well Not Running	CA					
23	5:15	Well Not Running	CA					
24	5:18	Well Not Running	CA					
25	5:18	Well Not Running	CA					
26	9:15	Well Not Running	BR					
27	10:12	0.8	ST					
28	9:56	Well Not Running	DV					
29	10:34	1.93	RS					
30	9:24	Well Not Running	RS					
31								

Notes:

Disinfectant Monitoring

PWS:	The City of Washington - Well # 8							
PWSID:	MO6010838							
County:	Franklin							
Month:	November-18					Chlorine Residual		
Date	Time	Free Cl (mg/l) @ Well	Sampler	Collection Point	Sample Type	Total	Free	Sampler
1	9:01	Well Not Running	ST					
2	7:40	Well Not Running	ST					
3	8:26	Well Not Running	KD					
4	6:33	1.02	KD					
5	8:22	Well Not Running	RS					
6	8:08	Well Not Running	RS					
7	8:21	0.99	RS					
8	9:10	2.85	RS					
9	7:22	2.85	RS					
10	6:15	Well Not Running	RW					
11	5:15	Well Not Running	RW					
12	6:31	Well Not Running	RW					
13	7:30	Well Not Running	RS/BR					
14	10:44	1.19	RS/BR					
15	11:15	2.84	BR					
16	9:29	0.97	DV					
17	3:51	Well Not Running	ST					
18	6:38	Well Not Running	ST					
19	7:29	1.5	RS					
20	7:59	1.15	RS					
21	8:49	1.78	RS/DR					
22	5:40	Well Not Running	CA					
23	5:40	Well Not Running	CA					
24	5:40	Well Not Running	CA					
25	5:40	Well Not Running	CA					
26	8:12	Well Not Running	BR					
27	7:59	Well Not Running	ST					
28	7:54	Well Not Running	DV					
29	1:54	0.95	RS					
30	7:52	1.43	RS					
31								

Notes:

Disinfectant Monitoring

PWS:	The City of Washington - Well # 9							
PWSID:	MO6010838							
County:	Franklin							
Month:	November-18					Chlorine Residual		
Date	Time	Free Cl (mg/l) @ Well	Sampler	Collection Point	Sample Type	Total	Free	Sampler
1	8:27	Well Not Running	ST					
2	7:32	Well Not Running	ST					
3	6:00	2.60 w	KD					
4	5:00	Well Not Running	KD					
5	8:13	Well Not Running	RS					
6	7:50	1.99	RS					
7	8:13	2.1	RS					
8	9:36	2.01	RS					
9	7:15	Well Not Running	RS					
10	6:08	Well Not Running	RW					
11	6:16	Well Not Running	RW					
12	6:11	2.07	RW					
13	9:17	2.2	RS/BR					
14	10:39	2.21	RS/BR					
15	11:05	2.1	BR					
16	8:56	Well Not Running	DV					
17	3:43	Well Not Running	ST					
18	6:27	Well Not Running	ST					
19	7:21	2.55	RS					
20	7:46	2.27	RS					
21	9:12	2.09	RS/DR					
22	8:10	2.1	CA					
23	8:20	1.13	CA					
24	8:42	Well Not Running	CA					
25	8:40	1.1	CA					
26	8:02	1.05	BR					
27	7:49	1.11	ST					
28	9:04	Well Not Running	DV					
29	7:46	Well Not Running	RS					
30	7:46	Well Not Running	RS					
31								

Notes:

Disinfectant Monitoring

PWS:	The City of Washington - Well # 10							
PWSID:	MO6010838							
County:	Franklin							
Month:	November-18					Chlorine Residual		
Date	Time	Free Cl (mg/l) @ Well	Sampler	Collection Point	Sample Type	Total	Free	Sampler
1	9:16	Well Not Running	ST					
2	7:52	Well Not Running	ST					
3	8:19	Well Not Running	KD					
4	6:41	0.5	KD					
5	8:36	0.71	RS					
6	8:29	Well Not Running	RS	#4 Chamber Drive	R	1.73	1.7	CA
7	8:55	0.5	RS					
8	9:10	0.54	RS					
9	7:40	0.91	RS					
10	6:27	Well Not Running	RW					
11	6:29	Well Not Running	RW					
12	6:22	Well Not Running	RW					
13	7:45	Well Not Running	RS/BR	#4 Chamber Drive	R	1.51	1.56	CA
14	10:52	0.77	RS/BR					
15	9:50	0.58	BR					
16	9:08	0.76	DV					
17	4:00	0.61	ST					
18	6:45	Well Not Running	ST					
19	7:37	0.88	RS					
20	8:10	0.53	RS					
21	9:00	0.75	RS/DR					
22	8:00	0.52	CA					
23	8:00	Well Not Running	CA					
24	8:30	Well Not Running	CA					
25	8:30	0.5	CA					
26	8:23	0.5	BR					
27	8:12	Well Not Running	ST					
28	7:42	Well Not Running	DV	200 E 14th Street	R	0.9	0.9	CA
29	9:21	Well Not Running	RS					
30	8:05	Well Not Running	RS					
31								

Notes:

Disinfectant Monitoring

PWS:	The City of Washington - Well # 11							
PWSID:	MO6010838							
County:	Franklin							
Month:	November-18					Chlorine Residual		
Date	Time	Free Cl (mg/l) @ Well	Sampler	Sample Point	Sample Type	Total	Free	Sampler
1	11:35	Well Not Running	ST					
2	10:52	Well Not Running	ST					
3	6:15	Well Not Running	KD					
4	5:17	Well Not Running	KD					
5	9:47	1.51	RS					
6	10:47	1.54	RS	519 Washington Ave	R	0.97	1.01	CA
7	10:53	1.57	RS					
8	11:23	1.52	RS					
9	9:54	1.56	RS					
10	5:00	Well Not Running	RW					
11	5:00	Well Not Running	RW					
12	4:54	Well Not Running	RW					
13	9:05	1.41	RS/BR	550 E 14th St	R	0.97	1	CA
14	11:40	1.42	RS/BR					
15	9:12	1.44	BR					
16	8:10	Well Not Running	DV					
17	5:21	Well Not Running	ST					
18	9:45	Well Not Running	ST					
19	8:42	1.42	RS					
20	9:32	1.36	RS					
21	7:25	1.34	RS/DR					
22	5:45	Well Not Running	CA					
23	5:10	Well Not Running	CA					
24	5:05	Well Not Running	CA					
25	5:05	Well Not Running	CA					
26	9:28	Well Not Running	BR					
27	10:48	Well Not Running	ST					
28	9:07	Well Not Running	DV	1220 Lakeshore Dr.	R	1.02	1.05	CA
29	11:00	Well Not Running	RS					
30	9:34	Well Not Running	RS					
31								

Notes: