

**MINUTES OF THE BOARD OF PUBLIC WORKS
Tuesday, May 14, 2019**

The Regular Meeting of the Board of Public Works was held on Tuesday, May 14, 2019 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	Steve Sullentrup	Absent
Council Representative	Mark Wessels	Present
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
Emergency Management Director	Mark Skornia	Absent
Fire Chief	Tim Frankenberg	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.

Minutes. A motion was made by Mr. Richardson and seconded by Mr. Radetic to approve the minutes from the regular April 9, 2019 meeting. The motion passed without dissent.

Mr. Mitchells' appointment to the board will expire June 2019. He has agreed to do another term.

Wastewater. The air scrubber is going to Council on next Monday for approval. Once approved it will take ten to 12 weeks to get assembled and delivered. Soon as that happens it will be installed in-house. None of the pipe or electrical can be done ahead of time unfortunately. This should be up and running by October 2019. The fiber glass cover will be ordered once approved. It is best that we wait until the scrubbers are in to make sure nothing will have to be changed.

Well #9. This has been roofed and sided. Washington Electrical is doing the electrical work. The new meter base and disconnect are installed. You now have to have a separate disconnect for Ameren prior to the meter base so it can be killed there if anything happens. Getting ready to install the waterproof paneling. This will be the first building that has waterproof panel so if there are any other leaks it will not deteriorate the building.

The building has been squared up to the curb, the old building was at an angle, now there is a better site view from Valley. John is going to rework the road (Steutermann) this will give about four feet more visual distance. Engineering is doing an overlay resurface to Steutermann and Bieker Road and adding a sidewalk in front of the well building. This is being done with Federal grants that were applied for about four years ago. It was unknown that the car would hit the building. By narrowing up Bieker about 2 feet which actually brings Valley Dr. further to the North, the intersection just moves to the North to put a sidewalk in and help with sight distance around the well house.

We are trying to work with the contractor on a change order to get that done. Narrowing Steutermann down a bit is not losing any drive lane. If you watch the cars you will see there is about 12 feet from the curb. When they make that turn at Valley. It might even help slow traffic down a bit. Trying to work on this road is always dangerous.

In reference to the article that appeared in the paper about the Sporlan Hazardous material. The only thing we are involved in is we take an extra water sample at Well #4. This is an organic sample to ensure that any of the contaminants at the sight have not migrated into our water system. The government is doing the cleanup and I am sure there are things that John will have to deal with, but water and wastewater side the only thing we have to worry about is Well #4. At this time there are no contaminants in the water.

Mark Skornia is heading this up from the City, he will be the point of contact. Mark is trying to get on the NPD (National Priorities Database) which is like a superfund. Essentially the federal government sets away dollars through the EPA to cleanup sites such as this. An example would be Washington County the lead belt, Times Beach both were superfund projects, this gives you an idea as to the size. This project is on the small size of cleanups. These do take a lot of time. We keep it monitored, but we do not think the EPA has the funds to work on this at the time. This is kind of a waiting process and see if there is an issue, unfortunately it is kind of a reactive

situation because there is just not enough money there to clean these up. Mark is working hard on putting pressure on the EPA but they do have a lot of other things going at this time.

Mr. Mitchell ask about 9th and Camp Street, where they come together there is no curb and gutter on the North side of 9th Street, there and when it rains it is like a lake. I am not sure if there is a drain there or if it just does not drain properly. There are a lot of leaves there and maybe it doesn't drain properly or they are just clogged.

The Mayor has appointed a liaison committee called the "Stormwater Committee" to review stormwater problems on a quarterly basis. Engineering does actively look for those areas, once we get in the area we will work together to solve the problem, but right now our priority is not that location. We did some grate work at the corner of Lincoln and 9th, we put a couple of grated inlets in that cars were hitting. We will go out and check the grates on 9th Street and clean them if need be.

Enduro. We are still moving along on this, last week we drained it half way down to have an internal inspection done to see if we need to repaint the inside. The report came back and were amazingly surprised how good the inside of the tank looks. The mixers in the tank are great, this helps circulation of water in the tank which keeps it from getting stagnant at the top. This is where the problem usually is when that water just sits and floats up and down it builds up algae on the side of the tank. There will be some touch ups on the inside but will probably save us a good amount of money on this project. Still moving forward, one company is SI Engineering, all they do is tanks.

They are tied into the DNR so they are good company to use because they have a direct link to the department for reporting, moving forward. Looking at trying to get it in June or July for repaint. Everyone tries to get theirs done during the spring and fall but in the middle of the season you will get a better rate cause their looking for work. We estimate it to be down approximately a month, could go better since the exterior is not in bad shape. Could be done in a couple of weeks. There will not be a problem at the Industrial Plaza, Well #11 will be set to be governed off Clay St., which means it will run all the time which will keep a good flow of 830 to 850 gpm (gallons per minute) flowing out of the well. With this there will not be any fire issues we will be able to handle it.

There should not be any issues with Mercy Data Center. Let us say if Well 11 did go down their well and pressure system will take over and accommodate that. We will let them know when we get ready to go. I will send them the information of the time line. They should be internally ready to go if anything happens.

The color of the tank will be the same as the Crestview. All three are going to be the same color.

Lift Station at Front Street. Pumps have been rebuilt, we have to install a bypass pumping system. We are doing this now. We have to install a tee and a valve to bypass the isolation valve for the station because our drywell flooded and we have about 10" of sewage still in the bottom that we could not get out. So now we have the new truck it is just a process of getting it tied in,

then bypass pump. Get the pumps in and back on line. Hopefully with the next two to three weeks.

Pump for Walnut Street. Still being built this will be a project in the fall. Working with Cogent, Vandaventer, BRI the company that we are working with as soon as it comes into their facility they will make sure that it is operating as it should and this is the priority.

Other. Next week is Public Works Week – Mary will have a proclamation. This is not something we typically do but it is something we should be doing to make the Pubic more aware of all the hard work the guys and gals do. To get in front of the Council and let the paper know that these day to day evets don’t just happen, that we have to work hard at getting them done.

Mr. Wessels asked where all the water tanks and tower were located: Crestview is located off Highway 47 just down from Highway 100, Clay Street Tank is 1061 Clay Street and Enduro is located 6482 Enduro Drive.

Next Scheduled Meeting Date

The next scheduled meeting date is June 11, 2019.

Adjourn

There being no further business the meeting 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	1,608.53	13,352.25	-8,647.75	39.31 %
400-35-000-450900	Revenues-All Other	15,000.00	15,000.00	1,249.61	57,504.80	42,504.80	383.37 %
400-35-000-453100	Water Sales	1,390,000.00	1,390,000.00	93,786.75	859,931.03	-530,068.97	38.13 %
400-35-000-453200	Water Meter Sales	10,000.00	10,000.00	946.89	10,504.47	504.47	105.04 %
400-35-000-453500	Connection Charges	25,000.00	25,000.00	15,550.00	34,650.00	9,650.00	138.60 %
400-35-000-453550	Tap Charges	500.00	500.00	325.00	2,950.00	2,450.00	590.00 %
400-35-000-453600	Labor & Equipment Charges	1,000.00	1,000.00	-328.95	808.88	-191.12	19.11 %
400-35-000-453700	Miscellaneous Materials Sold	3,000.00	3,000.00	475.32	3,340.93	340.93	111.36 %
400-35-000-461200	Rent/Lease-Municipal Property/Bui	32,425.00	32,425.00	2,147.33	27,594.04	-4,830.96	14.90 %
400-35-000-480000	Investment Income	8,000.00	8,000.00	0.00	10,524.25	2,524.25	131.55 %
	Revenue Total:	1,506,925.00	1,506,925.00	115,760.48	1,021,160.65	-485,764.35	32.24 %
Expense							
400-35-000-510100	Salaries/Wages-Regular	404,700.00	404,700.00	36,292.01	221,372.41	183,327.59	45.30 %
400-35-000-510150	Elected Board Officials Compensati	200.00	200.00	0.00	100.00	100.00	50.00 %
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	1,239.07	10,439.12	-1,679.12	-19.17 %
400-35-000-511100	FICA Taxes	32,050.00	32,050.00	2,788.98	17,105.01	14,944.99	46.63 %
400-35-000-511300	Health Insurance	86,520.00	86,520.00	5,524.11	44,748.61	41,771.39	48.28 %
400-35-000-511400	Dental Insurance	5,030.00	5,030.00	374.85	3,006.96	2,023.04	40.22 %
400-35-000-511600	Life Insurance	620.00	620.00	43.93	353.05	266.95	43.06 %
400-35-000-511700	LAGERS Retirement Plan	26,460.00	26,460.00	2,402.02	14,414.10	12,045.90	45.52 %
400-35-000-512605	Employee Incentive Program	600.00	600.00	0.00	240.00	360.00	60.00 %
400-35-000-512700	HRA Deductible	13,650.00	13,650.00	0.00	6,273.70	7,376.30	54.04 %
400-35-000-520250	Administration, Finance & IT Depar	151,340.00	151,340.00	0.00	75,669.96	75,670.04	50.00 %
400-35-000-520300	Technical Services	45,950.00	45,950.00	2,850.00	26,900.27	19,049.73	41.46 %
400-35-000-520400	Other Contracted Services	38,000.00	38,000.00	4,403.07	66,049.20	-28,049.20	-73.81 %
400-35-000-521300	Tipping Fee- City of Washington	0.00	0.00	0.00	176.00	-176.00	0.00 %
400-35-000-521530	Lawn & Grounds Care Services	19,425.00	19,425.00	2,463.75	3,431.25	15,993.75	82.34 %
400-35-000-521540	Uniform Cleaning Service	2,000.00	2,000.00	87.06	929.95	1,070.05	53.50 %
400-35-000-521560	Building Repair & Maintenance	1,000.00	1,000.00	0.00	465.50	534.50	53.45 %
400-35-000-521620	Equipment Repair & Maintenance	12,200.00	12,200.00	137.17	8,109.70	4,090.30	33.53 %
400-35-000-521630	Vehicle Repair & Maintenance	15,000.00	15,000.00	21.40	62.80	14,937.20	99.58 %
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	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	51.63	477.84	522.16	52.22 %
400-35-000-522100	Advertising	200.00	200.00	0.00	652.75	-452.75	-226.38 %
400-35-000-522200	Property, Liability & Casualty Insura	36,380.00	36,380.00	0.00	14,166.84	22,213.16	61.06 %
400-35-000-522210	Self-Insurance Deductible	500.00	500.00	0.00	108.00	392.00	78.40 %
400-35-000-522300	Printing/Duplicating	1,600.00	1,600.00	0.00	509.30	1,090.70	68.17 %
400-35-000-522400	Telephone	8,300.00	8,300.00	40.00	6,076.90	2,223.10	26.78 %
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	1,185.00	315.00	21.00 %
400-35-000-522600	Travel	1,200.00	1,200.00	0.00	2,224.91	-1,024.91	-85.41 %
400-35-000-522700	Professional Dues & Memberships	2,150.00	2,150.00	0.00	2,948.00	-798.00	-37.12 %
400-35-000-522900	Postage	13,000.00	13,000.00	826.46	7,977.62	5,022.38	38.63 %
400-35-000-522950	Credit Card Fees	7,000.00	7,000.00	850.93	6,138.48	861.52	12.31 %
400-35-000-530410	Parts-Vehicle	2,000.00	2,000.00	198.95	1,262.25	737.75	36.89 %
400-35-000-530415	Parts-Equipment	4,000.00	4,000.00	314.56	2,512.83	1,487.17	37.18 %
400-35-000-530420	Offices Supplies	1,000.00	1,000.00	61.82	255.00	745.00	74.50 %
400-35-000-530500	Asphalt/Rock/Cement	20,000.00	20,000.00	0.00	9,996.79	10,003.21	50.02 %

Budget Report

For Fiscal: 2018-2019 Period Ending: 05/31/2019

		Original Total Budget	Current Total Budget	Period Activity	Fiscal Activity	Variance Favorable (Unfavorable)	Percent Remaining
400-35-000-530600	Straw/Seeding/Plants	500.00	500.00	0.00	333.42	166.58	33.32 %
400-35-000-530650	Grounds Maintenance	0.00	0.00	0.00	4,117.50	-4,117.50	0.00 %
400-35-000-530700	Uniforms & Clothing	600.00	600.00	0.00	400.00	200.00	33.33 %
400-35-000-530800	General Supplies	7,000.00	7,000.00	77.33	1,777.48	5,222.52	74.61 %
400-35-000-531110	Electricity	165,000.00	165,000.00	11,623.30	84,613.36	80,386.64	48.72 %
400-35-000-531120	Heating Fuel	1,500.00	1,500.00	0.00	2,122.60	-622.60	-41.51 %
400-35-000-531300	Gasoline & Oil	12,500.00	12,500.00	27.48	5,667.60	6,832.40	54.66 %
400-35-000-532100	Meters & Hydrants	46,300.00	46,300.00	441.00	25,627.95	20,672.05	44.65 %
400-35-000-532200	Pipe & Fittings	33,000.00	33,000.00	0.00	7,926.89	25,073.11	75.98 %
400-35-000-533100	Chemicals	15,000.00	15,000.00	21.22	6,602.48	8,397.52	55.98 %
400-35-000-533300	Janitorial Supplies	0.00	0.00	0.00	107.27	-107.27	0.00 %
400-35-000-534100	Depreciation Expense	395,000.00	395,000.00	0.00	0.00	395,000.00	100.00 %
400-35-000-534200	SmallTools/Equipment/Furnishings	12,195.00	12,195.00	201.71	5,636.67	6,558.33	53.78 %
400-35-000-540200	Buildings	0.00	0.00	3,069.90	21,230.19	-21,230.19	0.00 %
400-35-000-541100	Improvements Other Than Building	273,000.00	273,000.00	0.00	31,000.00	242,000.00	88.64 %
400-35-000-541110	Water System Improvements	25,000.00	25,000.00	0.00	0.00	25,000.00	100.00 %
400-35-000-542100	Vehicles	45,000.00	45,000.00	0.00	25,740.88	19,259.12	42.80 %
400-35-000-542200	Machinery & Equipment	87,500.00	87,500.00	13,308.53	84,659.27	2,840.73	3.25 %
400-35-000-559200	Bond/Note Principal	233,300.00	233,300.00	0.00	0.00	233,300.00	100.00 %
400-35-090-559110	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	89,742.24	863,903.66	1,613,786.34	65.13 %
	Fund: 400 - WATER FUND Surplus (Deficit):	-970,765.00	-970,765.00	26,018.24	157,256.99	1,128,021.99	116.20 %
Fund: 410 - SEWAGE TREATMENT FUND							
Revenue							
410-36-000-418500	Sanitary Sewer District	20,000.00	20,000.00	0.00	16,582.88	-3,417.12	17.09 %
410-36-000-450600	Penalties/Interest Charges	45,000.00	45,000.00	3,150.99	23,678.30	-21,321.70	47.38 %
410-36-000-450900	Revenues-All Other	5,000.00	5,000.00	997.48	4,279.13	-720.87	14.42 %
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	181,589.96	1,648,060.17	-851,939.83	34.08 %
410-36-000-454125	Surcharge Fees	25,000.00	25,000.00	0.00	16,070.96	-8,929.04	35.72 %
410-36-000-454150	Leachate Disposal Charge	35,000.00	35,000.00	7,990.00	41,310.00	6,310.00	118.03 %
410-36-000-454200	Sewer Connection Charges	35,000.00	35,000.00	7,711.00	46,074.00	11,074.00	131.64 %
410-36-000-480000	Investment Income	5,000.00	5,000.00	0.00	7,100.10	2,100.10	142.00 %
410-36-000-480200	Investment Income.-Bond Acct.	390,000.00	390,000.00	0.00	4,898.72	-385,101.28	98.74 %
410-99-000-499350	Transfer In - Stormwater	0.00	160,000.00	0.00	0.00	-160,000.00	100.00 %
	Revenue Total:	3,060,300.00	3,220,300.00	201,439.43	1,808,054.26	-1,412,245.74	43.85 %
Expense							
410-36-000-510100	Salaries/Wages-Regular	163,310.00	163,310.00	14,593.39	89,328.78	73,981.22	45.30 %
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	829.71	4,082.31	-102.31	-2.57 %
410-36-000-511100	FICA Taxes	13,300.00	13,300.00	1,114.38	6,645.38	6,654.62	50.03 %
410-36-000-511300	Health Insurance	39,720.00	39,720.00	2,820.88	22,902.16	16,817.84	42.34 %
410-36-000-511400	Dental Insurance	2,310.00	2,310.00	171.72	1,378.00	932.00	40.35 %
410-36-000-511600	Life Insurance	310.00	310.00	17.11	137.80	172.20	55.55 %
410-36-000-511700	LAGERS Retirement Plan	10,970.00	10,970.00	987.10	5,948.73	5,021.27	45.77 %
410-36-000-512605	Employee Incentive Program	200.00	200.00	0.00	90.00	110.00	55.00 %
410-36-000-512700	HRA Deductible	4,200.00	4,200.00	0.00	275.95	3,924.05	93.43 %
410-36-000-520250	Administration, Finance & IT Depar	78,120.00	78,120.00	0.00	39,060.00	39,060.00	50.00 %
410-36-000-520300	Technical Services	1,500.00	1,500.00	0.00	257.22	1,242.78	82.85 %
410-36-000-520400	Other Contracted Services	10,800.00	10,800.00	357.05	12,289.70	-1,489.70	-13.79 %
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	29.04	301.98	298.02	49.67 %
410-36-000-521560	Building Repair & Maintenance	500.00	500.00	0.00	465.49	34.51	6.90 %
410-36-000-521620	Equipment Repair & Maintenance	23,285.00	23,285.00	1,547.24	12,618.43	10,666.57	45.81 %
410-36-000-521630	Vehicle Repair & Maintenance	5,450.00	5,450.00	0.00	1,965.86	3,484.14	63.93 %

Budget Report

For Fiscal: 2018-2019 Period Ending: 05/31/2019

		Original Total Budget	Current Total Budget	Period Activity	Fiscal Activity	Variance Favorable (Unfavorable)	Percent Remaining
410-36-000-521640	Equipment Rental	1,500.00	1,500.00	51.63	485.20	1,014.80	67.65 %
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	5,851.62	10,318.38	63.81 %
410-36-000-522210	Self-Insurance Deductible	300.00	300.00	0.00	0.00	300.00	100.00 %
410-36-000-522300	Printing/Duplicating	800.00	800.00	0.00	254.65	545.35	68.17 %
410-36-000-522400	Telephone	3,300.00	3,300.00	40.00	2,365.65	934.35	28.31 %
410-36-000-522410	Telephone-Alarm Control	3,000.00	3,000.00	0.00	4,024.58	-1,024.58	-34.15 %
410-36-000-522500	Training/Seminars	1,000.00	1,000.00	0.00	623.75	376.25	37.63 %
410-36-000-522600	Travel	700.00	700.00	0.00	13.00	687.00	98.14 %
410-36-000-522700	Professional Dues & Memberships	1,500.00	1,500.00	0.00	120.00	1,380.00	92.00 %
410-36-000-522900	Postage	6,000.00	6,000.00	413.23	3,406.82	2,593.18	43.22 %
410-36-000-522950	Credit Card Fees	7,000.00	7,000.00	850.92	6,138.37	861.63	12.31 %
410-36-000-530200	Lab Supplies	50.00	50.00	0.00	0.00	50.00	100.00 %
410-36-000-530410	Parts-Vehicle	700.00	700.00	0.00	743.22	-43.22	-6.17 %
410-36-000-530415	Parts-Equipment	12,000.00	12,000.00	0.00	6,655.45	5,344.55	44.54 %
410-36-000-530420	Offices Supplies	500.00	500.00	34.92	129.35	370.65	74.13 %
410-36-000-530500	Asphalt/Rock/Cement	25,000.00	25,000.00	14.67	1,230.29	23,769.71	95.08 %
410-36-000-530600	Straw/Seeding/Plants	250.00	250.00	0.00	0.00	250.00	100.00 %
410-36-000-530700	Uniforms & Clothing	300.00	300.00	0.00	0.00	300.00	100.00 %
410-36-000-530800	General Supplies	2,300.00	2,300.00	26.88	374.54	1,925.46	83.72 %
410-36-000-530900	Employee Appreciation Cost	200.00	200.00	0.00	0.00	200.00	100.00 %
410-36-000-531110	Electricity	45,000.00	45,000.00	2,520.58	20,128.16	24,871.84	55.27 %
410-36-000-531120	Heating Fuel	2,000.00	2,000.00	0.00	2,122.60	-122.60	-6.13 %
410-36-000-531300	Gasoline & Oil	6,500.00	6,500.00	0.00	3,323.41	3,176.59	48.87 %
410-36-000-532200	Pipe & Fittings	2,200.00	2,200.00	2,289.37	5,784.60	-3,584.60	-162.94 %
410-36-000-532270	Manhole Replacement Program	10,000.00	10,000.00	0.00	4,990.45	5,009.55	50.10 %
410-36-000-533100	Chemicals	2,200.00	2,200.00	18.04	28.53	2,171.47	98.70 %
410-36-000-533300	Janitorial Supplies	0.00	0.00	0.00	107.26	-107.26	0.00 %
410-36-000-534100	Depreciation Expense	250,000.00	250,000.00	0.00	0.00	250,000.00	100.00 %
410-36-000-534200	SmallTools/Equipment/Furnishings	11,275.00	11,275.00	0.00	1,708.49	9,566.51	84.85 %
410-36-000-541100	Improvements Other Than Building	230,000.00	80,000.00	0.00	19,002.00	60,998.00	76.25 %
410-36-000-541120	Sanitary Sewer System Improve	165,000.00	315,000.00	0.00	0.00	315,000.00	100.00 %
410-36-000-542100	Vehicles	45,000.00	45,000.00	0.00	364.13	44,635.87	99.19 %
410-36-000-542200	Machinery & Equipment	0.00	400,000.00	368.78	381,589.00	18,411.00	4.60 %
410-36-090-559110	Interest Expense	539,500.00	539,500.00	0.00	274,634.38	264,865.62	49.09 %
410-36-090-559120	Agent Fees	68,000.00	68,000.00	0.00	62,852.79	5,147.21	7.57 %
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	975,000.00	975,000.00	0.00	975,000.00	0.00	0.00 %
410-36-361-510100	Salaries/Wages-Regular	202,300.00	202,300.00	25,166.48	154,152.76	48,147.24	23.80 %
410-36-361-510300	Salaries/Wages-Overtime	3,750.00	3,750.00	741.09	2,422.83	1,327.17	35.39 %
410-36-361-511100	FICA Taxes	15,670.00	15,670.00	1,895.07	11,289.43	4,380.57	27.96 %
410-36-361-511300	Health Insurance	46,800.00	46,800.00	3,818.69	30,873.66	15,926.34	34.03 %
410-36-361-511400	Dental Insurance	2,720.00	2,720.00	235.63	1,889.02	830.98	30.55 %
410-36-361-511600	Life Insurance	370.00	370.00	32.40	259.97	110.03	29.74 %
410-36-361-511700	LAGERS Retirement Plan	12,920.00	12,920.00	1,658.02	9,992.96	2,927.04	22.66 %
410-36-361-512605	Employee Incentive Program	400.00	400.00	0.00	90.00	310.00	77.50 %
410-36-361-512700	HRA Deductible	5,250.00	5,250.00	0.00	1,149.00	4,101.00	78.11 %
410-36-361-520250	Administration, Finance & IT Depar	78,120.00	78,120.00	0.00	39,060.00	39,060.00	50.00 %
410-36-361-520300	Technical Services	10,000.00	10,000.00	455.20	10,182.35	-182.35	-1.82 %
410-36-361-520400	Other Contracted Services	22,565.00	22,565.00	69.00	7,860.57	14,704.43	65.16 %
410-36-361-521300	Tipping Fee - City of Washington	1,200.00	1,200.00	0.00	0.00	1,200.00	100.00 %
410-36-361-521540	Uniform Cleaning Service	1,500.00	1,500.00	58.08	630.48	869.52	57.97 %
410-36-361-521560	Building Repair & Maintenance	1,500.00	1,500.00	92.34	92.34	1,407.66	93.84 %
410-36-361-521620	Equipment Repair & Maintenance	37,700.00	37,700.00	5,237.17	16,740.10	20,959.90	55.60 %
410-36-361-521630	Vehicle Repair & Maintenance	6,000.00	6,000.00	0.00	3,507.29	2,492.71	41.55 %
410-36-361-521640	Equipment Rental	500.00	500.00	33.15	390.40	109.60	21.92 %
410-36-361-522200	Property, Liability & Casualty Insura	24,250.00	24,250.00	0.00	8,746.26	15,503.74	63.93 %
410-36-361-522210	Self-Insurance Deductible	500.00	500.00	0.00	0.00	500.00	100.00 %

Budget Report

For Fiscal: 2018-2019 Period Ending: 05/31/2019

		Original	Current	Period	Fiscal	Variance	Percent
		Total Budget	Total Budget	Activity	Activity	Favorable	Remaining
						(Unfavorable)	
410-36-361-522300	Printing/Duplicating	1,050.00	1,050.00	0.00	254.65	795.35	75.75 %
410-36-361-522400	Telephone	8,000.00	8,000.00	50.00	5,332.50	2,667.50	33.34 %
410-36-361-522410	Telephone-Alarm Control	500.00	500.00	0.00	0.00	500.00	100.00 %
410-36-361-522500	Training/Seminars	800.00	800.00	0.00	0.00	800.00	100.00 %
410-36-361-522600	Travel	500.00	500.00	0.00	0.00	500.00	100.00 %
410-36-361-522700	Professional Dues & Memberships	500.00	500.00	0.00	35.00	465.00	93.00 %
410-36-361-522900	Postage	5,000.00	5,000.00	413.23	3,592.83	1,407.17	28.14 %
410-36-361-530200	Lab Supplies	8,600.00	8,600.00	379.29	541.49	8,058.51	93.70 %
410-36-361-530410	Parts-Vehicle	800.00	800.00	44.78	642.14	157.86	19.73 %
410-36-361-530415	Parts-Equipment	37,000.00	37,000.00	551.78	13,502.82	23,497.18	63.51 %
410-36-361-530420	Offices Supplies	300.00	300.00	0.00	38.50	261.50	87.17 %
410-36-361-530500	Asphalt/Rock/Cement	1,500.00	1,500.00	0.00	19.56	1,480.44	98.70 %
410-36-361-530600	Straw/Seeding/Plants	300.00	300.00	36.64	334.84	-34.84	-11.61 %
410-36-361-530700	Uniforms & Clothing	400.00	400.00	0.00	200.00	200.00	50.00 %
410-36-361-530800	General Supplies	4,000.00	4,000.00	214.25	575.19	3,424.81	85.62 %
410-36-361-531110	Electricity	175,000.00	175,000.00	12,127.12	84,604.34	90,395.66	51.65 %
410-36-361-531120	Heating Fuel	14,000.00	14,000.00	0.00	15,223.88	-1,223.88	-8.74 %
410-36-361-531300	Gasoline & Oil	3,000.00	3,000.00	1,388.50	2,795.22	204.78	6.83 %
410-36-361-532200	Pipe & Fittings	2,500.00	2,500.00	0.00	14.31	2,485.69	99.43 %
410-36-361-533100	Chemicals	16,700.00	16,700.00	2,322.00	11,549.73	5,150.27	30.84 %
410-36-361-534100	Depreciation Expense	900,000.00	900,000.00	0.00	0.00	900,000.00	100.00 %
410-36-361-534200	Small Tools/Equipment/Furnishings	11,425.00	11,425.00	195.10	10,719.99	705.01	6.17 %
410-36-361-541100	Improvements other than Buildings	36,000.00	36,000.00	0.00	0.00	36,000.00	100.00 %
410-36-361-542200	Machinery & Equipment	216,250.00	216,250.00	0.00	0.00	216,250.00	100.00 %
410-36-361-542300	Furniture & Fixtures	30,000.00	30,000.00	0.00	0.00	30,000.00	100.00 %
	Expense Total:	4,726,910.00	5,126,910.00	86,311.65	2,431,106.49	2,695,803.51	52.58 %
	Fund: 410 - SEWAGE TREATMENT FUND Surplus (Deficit):	-1,666,610.00	-1,906,610.00	115,127.78	-623,052.23	1,283,557.77	67.32 %
	Report Surplus (Deficit):	-2,637,375.00	-2,877,375.00	141,146.02	-465,795.24	2,411,579.76	83.81 %

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	115,760.48	1,021,160.65	-485,764.35	32.24 %
Expense	2,477,690.00	2,477,690.00	89,742.24	863,903.66	1,613,786.34	65.13 %
Fund: 400 - WATER FUND Surplus (Deficit):	-970,765.00	-970,765.00	26,018.24	157,256.99	1,128,021.99	116.20 %
Fund: 410 - SEWAGE TREATMENT FUND						
Revenue	3,060,300.00	3,220,300.00	201,439.43	1,808,054.26	-1,412,245.74	43.85 %
Expense	4,726,910.00	5,126,910.00	86,311.65	2,431,106.49	2,695,803.51	52.58 %
Fund: 410 - SEWAGE TREATMENT FUND Surplus (Deficit):	-1,666,610.00	-1,906,610.00	115,127.78	-623,052.23	1,283,557.77	67.32 %
Report Surplus (Deficit):	-2,637,375.00	-2,877,375.00	141,146.02	-465,795.24	2,411,579.76	83.81 %

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	26,018.24	157,256.99	1,128,021.99
410 - SEWAGE TREATMENT FUND	-1,666,610.00	-1,906,610.00	115,127.78	-623,052.23	1,283,557.77
Report Surplus (Deficit):	-2,637,375.00	-2,877,375.00	141,146.02	-465,795.24	2,411,579.76

Memorandum

TO: Darren Lamb, City Administrator
Board of Public Works

FROM: Kevin Quaethem, Water and Wastewater Superintendent

DATE: June 7, 2019

RE: Work Performed by the Water and Wastewater Departments

STATUS OF MAJOR CONTRACTS –MAY 2019

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

MAY 2019

Water Pumped May 2019..... 61,932,000 1.99 mgd

Wastewater Effluent Flow May 2019.....127,720,000 4.30 mgd

Missouri One Call Locate messages received for locates246

Meters Issued as new.....3

Meters Issued as replacements.....0

Meters Issued as new for irrigation systems0

Meters Re-reads85

Service Requests/Work Orders Completed May 2019.....32

Sewer Routines0

Delinquent Accounts actually shut off in May 2019.....3

WATER DEPARTMENT FIELD WORK PERFORMED – MAY 2019

- | | |
|--|--|
| <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. Emergency Call-out Stonecrest 8. Emergency Call-out to Turn Water on 9. Water tap 6" @ W. Main & Catawaba 10. Water Tap 8" @ Panda Express | <ol style="list-style-type: none"> 11. Install New Fire Hydrant W. Main 12. Repair Service Later @ City Pool 13. Repair Curb Valve @ E. 5th 14. Installed Cameras @ City Pool, Park 15. Work on Well #9, Electric, Walls, etc. 16. Flow Test Behind Casey's |
|--|--|

WASTEWATER DEPARTMENT FIELD WORK PERFORMED – MAY 2019

1. Sewer Routines
2. Daily lab work and routines.
3. Cleaned belt press.
4. Clean Process Filters
5. Run belt press.
6. Hauled Sludge Across River
7. Call Out @ Walnut Lift – Alarms
8. Camera's Sewer Main @ 21 Berkshire
9. Replaced Smoke Detectors
10. Sewer Backup @ 300 E. Main
11. Repair Pump @ Fairfield
12. Cleaned Grates
13. Filled Sandbags
14. Startup Highwater Pumps @ WWTP
15. Repair Sewer Line @ Front Street
16. Repair on Sewer Line @ Well #10

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 7419 Hwy 47 Ste. A Union, MO			
Street Address 405 Jefferson Street				Certification Number 00700			
City Washington		Zip Code 63090					
County Franklin		I.D. Number MO6010838					
Date MD/Y	Collection Point	Sample Type	Location Code	Sample Results		Chlorine Residual	
				Coliform	E-coli	Total	Free
5/7/19	#4 Chamber Dr	R	R-3	A	A	0.26	0.32
5/7/19	405 Jefferson	R	R-4	A	A	0.39	0.35
5/7/19	519 Washington	R	R-12	A	A	0.27	0.44
5/7/19	1220 Lakeshore Dr	R	R-1	A	A	0.39	0.42
5/7/19	200 E 14th ST	R	R-8	A	A	0.46	0.41
5/14/19	4 Chamber	R	R-3	A	A	0.30	0.25
5/14/19	405 Jefferson	R	R-4	A	A	0.44	0.48
5/14/19	601 W 7th St	R	R-14	A	A	0.65	0.61
5/14/19	1220 Lakeshore Dr	R	R-1	A	A	0.60	0.56
5/14/19	1 Nick Ridge	R	R-15	A	A	0.38	0.41
5/21/19	404 E 2nd	R	R-13	A	A	0.37	0.41
5/21/19	1220 Lakeshore Dr	R	R-1	A	A	0.24	0.20
5/21/19	#4 Chamber	R	R-3	A	A	0.37	0.34
5/21/19	1811 E 9th St	R	R-10	A	A	0.66	0.62
5/21/19	200 E 14th ST	R	R-8	A	A	0.46	0.41
				Signed: Kristen Wideman		Date: 5/23/2019	
Total Routine Samples: 15				Title: Lab Assistant			
Monitoring Violation <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No							

Disinfectant Monitoring

PWS:	The City of Washington - Well # 3							
PWSID:	MO6010838							
County:	Franklin							
Month:	May-19					Chlorine Residual		
Date	Time	Free Cl (mg/l) @ Well	Sampler	Collection Point	Sample Type	Total	Free	Sampler
1	9:21	0.86	RS					
2	9:24	1.09	RS					
3	9:06	0.83	RS					
4	8:41	0.98	KD					
5	9:19	0.79	KD					
6	8:53	0.75	RW					
7	9:07	0.71	RS					
8	10:31	0.72	RS					
9	8:35	0.95	RS					
10	10:21	0.92	RS/DV					
11	8:13	1.01	GBB					
12	8:14	Well Not Running	GBB					
13	9:33	1.01	RS					
14	10:38	1.03	RS					
15	8:54	0.84	ST					
16	8:21	1.05	RS					
17	8:37	0.94	RS					
18	5:55	1.04	CA					
19	9:29	1.01	CA					
20	10:55	1.05	RS					
21	10:02	0.94	RS					
22	9:15	0.89	RW					
23	8:54	1.11	RS					
24	8:46	1.2	RS					
25	9:30	1.73	DB					
26	10:10	1.72	DB					
27	10:45	1.56	DB					
28	11:30	1.84	DV					
29	9:12	2.2	RS					
30	9:06	1.39	RS					
31	11:04	1.3	RS/DV					

Notes:

Disinfectant Monitoring

PWS:	The City of Washington - Well # 4							
PWSID:	MO6010838							
County:	Franklin							
Month:	May-19					Chlorine Residual		
Date	Time	Free Cl (mg/l) @ Well	Sampler	Sample Point	Sample Type	Total	Free	Sampler
1	8:58	0.57	RS					
2	8:51	Well Not Running	RS					
3	8:25	Well Not Running	RS					
4	8:12	Well Not Running	KD					
5	9:01	Well Not Running	KD					
6	8:26	Well Not Running	RW					
7	8:49	1.02	RS					
8	10:01	Well Not Running	RS					
9	8:22	0.63	RS					
10	8:24	Well Not Running	RS/DV					
11	7:26	Well Not Running	GBB					
12	7:42	Well Not Running	GBB					
13	8:18	Well Not Running	RS					
14	8:18	1.05	RS					
15	8:00	Well Not Running	ST					
16	7:51	Well Not Running	RS					
17	8:20	Well Not Running	RS					
18	6:07	Well Not Running	CA					
19	6:35	Well Not Running	CA					
20	10:35	Well Not Running	RS					
21	9:41	Well Not Running	RS					
22	8:48	Well Not Running	RW					
23	8:44	Well Not Running	RS					
24	8:12	Well Not Running	RS					
25	12:00	Well Not Running	DB					
26	9:35	Well Not Running	DB					
27	10:30	Well Not Running	DB					
28	8:20	Well Not Running	DV					
29	9:02	Well Not Running	RS					
30	8:25	0.67	RS					
31	11:31	Well Not Running	RS/DV					

Notes:

Disinfectant Monitoring

PWS:	The City of Washington - Well # 5							
PWSID:	MO6010838							
County:	Franklin							
Month:	May-19					Chlorine Residual		
Date	Time	Free Cl (mg/l) @ Well	Sampler	Sample Point	Sample Type	Total	Free	Sampler
1	10:30	1.03	RS					
2	10:50	Well Not Running	RS					
3	10:06	Well Not Running	RS					
4	9:15	Well Not Running	KD					
5	10:30	Well Not Running	KD					
6	9:11	Well Not Running	RW					
7	9:32	Well Not Running	RS					
8	1:28	Well Not Running	RS					
9	9:53	Well Not Running	RS					
10	9:57	Well Not Running	RS/DV					
11	8:42	Well Not Running	GBB					
12	9:091	Well Not Running	GBB					
13	10:20	Well Not Running	RS					
14	10:17	Well Not Running	RS					
15	10:05	Well Not Running	ST					
16	9:01	Well Not Running	RS					
17	9:42	Well Not Running	RS					
18	5:14	Well Not Running	CA					
19	5:24	Well Not Running	CA					
20	11:43	Well Not Running	RS					
21	11:43	Well Not Running	RS					
22	10:50	Well Not Running	RW					
23	9:36	Well Not Running	RS					
24	9:58	Well Not Running	RS					
25	9:40	Well Not Running	DB					
26	11:15	Well Not Running	DB					
27	9:20	Well Not Running	DB					
28	8:35	1.92	DV					
29	9:45	2.67	RS					
30	10:43	Well Not Running	RS					
31	1:53	Well Not Running	RS/DV					

Notes:

Disinfectant Monitoring

PWS:	The City of Washington - Well # 6							
PWSID:	MO6010838							
County:	Franklin							
Month:	May-19					Chlorine Residual		
Date	Time	Free Cl (mg/l) @ Well	Sampler	Sample Point	Sample Type	Total	Free	Sampler
1	8:35	1.5	RS					
2	8:37	Well Not Running	RS					
3	8:19	1.43	RS					
4	6:46	Well Not Running	KD					
5	8:52	Well Not Running	KD					
6	8:22	Well Not Running	RW					
7	8:44	0.72	RS					
8	9:56	0.64	RS					
9	8:13	Well Not Running	RS					
10	8:29	1.12	RS/DV					
11	7:19	Well Not Running	GBB					
12	7:38	Well Not Running	GBB					
13	8:13	0.74	RS					
14	8:09	0.92	RS					
15	7:55	Well Not Running	ST					
16	7:46	Well Not Running	RS					
17	8:15	0.98	RS					
18	6:11	Well Not Running	CA					
19	6:40	Well Not Running	CA					
20	10:24	1.31	RS					
21	9:32	Well Not Running	RS					
22	8:30	Well Not Running	RW					
23	8:38	Well Not Running	RS					
24	7:55	0.87	RS					
25	10:22	Well Not Running	DB					
26	10:15	Well Not Running	DB					
27	9:20	Well Not Running	DB					
28	8:15	Well Not Running	DV					
29	8:45	Well Not Running	RS					
30	8:20	Well Not Running	RS					
31	11:26	1.13	RS/DV					

Notes:

Disinfectant Monitoring

PWS:	The City of Washington - Well # 7							
PWSID:	MO6010838							
County:	Franklin							
Month:	May-19					Chlorine Residual		
Date	Time	Free Cl (mg/l) @ Well	Sampler	Sample Point	Sample Type	Total	Free	Sampler
1	9:49	1.76	RS					
2	9:52	Well Not Running	RS					
3	9:30	Well Not Running	RS					
4	9:00	Well Not Running	KD					
5	10:13	Well Not Running	KD					
6	10:00	Well Not Running	RW					
7	9:44	Well Not Running	RS					
8	10:49	0.64	RS					
9	8:50	Well Not Running	RS					
10	10:13	0.56	RS/DV					
11	8:21	Well Not Running	GBB					
12	8:40	Well Not Running	GBB					
13	9:49	Well Not Running	RS					
14	9:47	Well Not Running	RS					
15	9:42	Well Not Running	ST					
16	8:31	Well Not Running	RS					
17	9:18	Well Not Running	RS					
18	5:44	Well Not Running	CA					
19	5:50	Well Not Running	CA					
20	11:11	Well Not Running	RS					
21	11:10	Well Not Running	RS					
22	8:52	Well Not Running	RW					
23	9:08	Well Not Running	RS					
24	9:24	Well Not Running	RS					
25	10:30	Well Not Running	DB					
26	10:35	Well Not Running	DB					
27	11:10	0.61	DB					
28	8:51	0.67	DV					
29	8:51	0.7	RS					
30	9:57	Well Not Running	RS					
31	11:48	Well Not Running	RS/DV					

Notes:

Disinfectant Monitoring

PWS:	The City of Washington - Well # 8							
PWSID:	MO6010838							
County:	Franklin							
Month:	May-19					Chlorine Residual		
Date	Time	Free Cl (mg/l) @ Well	Sampler	Collection Point	Sample Type	Total	Free	Sampler
1	7:57	0.55	RS					
2	7:25	0.57	RS					
3	7:49	Well Not Running	RS					
4	6:41	Well Not Running	KD					
5	8:34	Well Not Running	KD					
6	7:52	Well Not Running	RW					
7	8:07	0.54	RS					
8	9:25	0.53	RS					
9	7:39	1.33	RS					
10	8:33	Well Not Running	RS/DV					
11	8:55	Well Not Running	GBB					
12	9:13	Well Not Running	GBB					
13	7:44	Well Not Running	RS					
14	7:28	0.77	RS					
15	7:15	Well Not Running	ST					
16	7:16	Well Not Running	RS					
17	7:50	Well Not Running	RS					
18	6:15	Well Not Running	CA					
19	6:42	Well Not Running	CA					
20	8:14	0.53	RS					
21	8:18	0.51	RS					
22	8:06	Well Not Running	RW					
23	8:12	Well Not Running	RS					
24	7:26	Well Not Running	RS					
25	10:13	Well Not Running	DB					
26	10:09	Well Not Running	DB					
27	9:13	Well Not Running	DB					
28	8:12	Well Not Running	DV					
29	8:03	0.51	RS					
30	7:45	0.52	RS					
31	11:20	Well Not Running	RS/DV					

Notes:

Disinfectant Monitoring

PWS:	The City of Washington - Well # 9 (Well Out of Service)							
PWSID:	MO6010838							
County:	Franklin							
Month:	May-19					Chlorine Residual		
Date	Time	Free Cl (mg/l) @ Well	Sampler	Collection Point	Sample Type	Total	Free	Sampler
1		Out of Service						
2		Out of Service						
3		Out of Service						
4		Out of Service						
5		Out of Service						
6		Out of Service						
7		Out of Service						
8		Out of Service						
9		Out of Service						
10		Out of Service						
11		Out of Service						
12		Out of Service						
13		Out of Service						
14		Out of Service						
15		Out of Service						
16		Out of Service						
17		Out of Service						
18		Out of Service						
19		Out of Service						
20		Out of Service						
21		Out of Service						
22		Out of Service						
23		Out of Service						
24		Out of Service						
25		Out of Service						
26		Out of Service						
27		Out of Service						
28		Out of Service						
29		Out of Service						
30		Out of Service						
31		Out of Service						

Notes:

Disinfectant Monitoring

PWS:	The City of Washington - Well # 10							
PWSID:	MO6010838							
County:	Franklin							
Month:	May-19					Chlorine Residual		
Date	Time	Free Cl (mg/l) @ Well	Sampler	Collection Point	Sample Type	Total	Free	Sampler
1	8:15	0.59	RS					
2	7:36	0.59	RS					
3	8:03	0.58	RS					
4	7:51	Well Not Running	KD					
5	8:26	0.57	KD					
6	8:05	0.567	RW					
7	8:25	0.56	RS					
8	9:38	0.53	RS					
9	7:51	0.6	RS					
10	8:39	0.6	RS/DV					
11	9:02	0.59	GBB					
12	9:19	0.58	GBB					
13	7:33	0.59	RS					
14	7:46	0.58	RS					
15	7:30	0.58	ST					
16	7:27	0.57	RS					
17	7:57	0.58	RS					
18	8:00	0.57	CA					
19	8:25	0.58	CA					
20	8:32	0.57	RS					
21	8:30	0.55	RS					
22	7:54	0.56	RW					
23	8:19	0.57	RS					
24	7:37	0.56	RS					
25	11:30	0.57	DB					
26	12:00	0.56	DB					
27	11:45	0.56	DB					
28	8:03	0.55	DV					
29	8:11	0.55	RS					
30	8:03	0.54	RS					
31	11:12	0.51	RS/DV					

Notes:

Disinfectant Monitoring

PWS:	The City of Washington - Well # 11							
PWSID:	MO6010838							
County:	Franklin							
Month:	May-19					Chlorine Residual		
Date	Time	Free Cl (mg/l) @ Well	Sampler	Sample Point	Sample Type	Total	Free	Sampler
1	10:18	Well Not Running	RS					
2	10:22	Well Not Running	RS					
3	9:59	0.8	RS					
4	9:11	0.72	KD					
5	10:26	Well Not Running	KD					
6	5:45	Well Not Running	RW					
7	9:51	Well Not Running	RS					
8	11:14	Well Not Running	RS					
9	9:02	0.64	RS					
10	10:05	Well Not Running	RS/DV					
11	8:35	0.82	GBB					
12	8:52	0.84	GBB					
13	10:13	Well Not Running	RS					
14	10:09	Well Not Running	RS					
15	9:55	0.87	ST					
16	8:52	Well Not Running	RS					
17	9:31	Well Not Running	RS					
18	5:24	Well Not Running	CA					
19	5:30	Well Not Running	CA					
20	11:35	0.77	RS					
21	11:32	0.89	RS					
22	10:40	Well Not Running	RW					
23	9:16	Well Not Running	RS					
24	9:49	Well Not Running	RS					
25	10:45	Well Not Running	DB					
26	10:55	1.09	DB					
27	11:15	1.3	DB					
28	9:03	Well Not Running	DV					
29	9:32	Well Not Running	RS					
30	10:24	0.51	RS					
31	11:54	Well Not Running	RS/DV					

Notes: