

MINUTES OF THE BOARD OF PUBLIC WORKS
Tuesday, March 12, 2019

The Regular Meeting of the Board of Public Works was held on Tuesday, March 12, 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	Absent
Member	Steve Richardson	Absent
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	Present
Water/Wastewater Superintendent	Kevin Quaethem	Absent
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.

The Board recognizes that there are not enough voting members present to have a quorum, so this meeting would be for information purposes and to keep the viewing citizens up-to-date on projects. It was stated that the Board members present could not vote on any actions. The Board members that are present can give their statements if they agree or disagree with an item, but that an actual vote cannot be taken.

The approval of the minutes was tabled until April 9, 2019 meeting.

Public Works Director John Nilges gave an update on Water and Wastewater – The new vector truck is still being prepped over in Illinois and should be here soon. Council did allow us to proceed with purchasing the demo truck. A check was cut last Thursday so the truck will soon be on the way.

Wastewater - Two (2) new pumps set out at the landfill. Kevin says that about every five (5) years with leachate, everything essentially rusts out and decay to a point they have to be replaced. These were installed last week and is running like a new landfill. Kevin is getting the storm water pump down at the Locust St. Lift Station. This should be up and running with in the next 3 months. This will help out with our next large rainfall event.

Tiemann and Front Street – The reason for the pipes laying out is for the pumps that failed in the dry well, this is being repaired.

Construction has begun on Well #9, foundation has been poured, walls are already to be set. Trusses have all been delivered. Insurance did come through and dollars are in hand.

Mr. Darren Lamb has two (2) items for discussion.

Code revisions have been gone through prior to the end of 2018. Mary Trentmann lead this up with all department heads. A couple of items that needed to be looked at in the Chapters with regards to Public Works. These were put on hold till City Attorney Mark Piontek was able to take a good look at and review. So on Monday's Agenda for the Council there will be two ordinances.

The first being, before John came to work for the City. The City knew they were going to have to have a Public Works Director. When we went through the process of hiring a City Engineer the question was raised in those interviews that this position would change into the Public Works Director. Everyone understood this at the time John was going into the interview stage.

Once this was finished there were still some concerns with regards to what it would be called. We never had a public work director by ordinance and Mark said there were some things that would need to be looked at within the ordinance on the books in order for us to make this change.

John was promoted to Public Services Director and that was about two years ago so Public Services Director was created which I felt was a confusing title that could mean many things. This was put on a back burner. Honestly, things were functioning just fine for years as they were. So when Mary wanted to make changes to the codes we wanted them to go ahead and have this change made and take a look at.

There are two (2) ordinances that will be in front of the Council Monday night. The first is to change the designation of the Director of Public Services, it renames that position to Public Works Director and establishes a supervisory change.

What this does is sets it up to how we have been operating. John is our Public Works Director at this time but he will supervise the following positions, Streets, Sanitation Superintendent, Water and Wastewater Superintendent, Building Official, Airport Manager, City Engineer and City Assistant Engineer. So all of those reports through that Public Works Director and that the chain of command. We have been operating as such, it just wasn't on paper.

The second ordinance Mark Piontek our City Attorney looked at this ordinance for us and then he needed to make some changes. He said this would enact another chapter that matches state law.

Some provisions gave the Board of Public Works Supervisory authority over certain employees which authorities is not found in State law. Other changes were more cosmetic changes just language. It still provides for a water and wastewater superintendent which is Kevin. So this does not change. This can still go before the Board to appoint a superintendent. Mark went through and made changes based on state law. We have not looked at this section in a very long time. This is why Mary went through and made all the changes before the end of December.

So, I just wanted to bring these to you before you read them in the paper. John and I have been in discussion about these and wanted to make sure the Board was aware. Just the point of the Board of Public Works and the relationship of the Board of Public Works to water and wastewater. It was reiterated, nothing changes. Nothing changes but when you look at the title of the Director of the Board of Public Works and the Chain-of-Command. I do not think anything changes but to me there does not seem to be any wording that says the Board of Public Works monitors the operations of water and wastewater as the Director of Public Works. This is really not a change in the functionality.

We will forward through email copies of the ordinances for you to review. This all has been discussed with Kevin two or three weeks back and also spoke with Kevin yesterday where I think he understands since we have been operating this way the entire time.

Any further questions? None

Any other business? None

Next Scheduled Meeting Date

The next scheduled meeting date is April 9, 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



To: Board of Public Works

From: Kevin Quaethem, Public Works Superintendent

Subject: Purchase of Biological Odor System

The Wastewater Department has in the 2018-19 budget \$140,000.00 to purchase a Biological Odor Control System.

This system will replace the temporary peat moss cover over the influent wet well. It will also pull the air out of the upper floor of the Headworks building, and the odor coming out of the Cyclone separator at the rear of the headworks building.

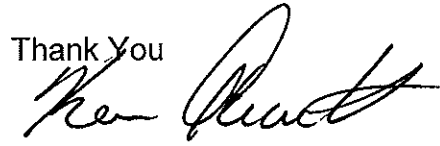
We received 2 bids,

Integrity Municipal Systems	Base Equipment	\$ 93,250.00
	Basic Freeze Protection	\$ 2,650.00
	Full Vessel Insulation	\$ 5,500.00
	Total	\$ 101,400.00
A2 Environmental	Base Equipment	\$ 97,850.00
	Basic Freeze Protection	\$ 2,850.00
	Full Vessel Insulation	\$ 5,990.00
	Total	\$ 106,690.00

MAIL TO: Public Works Department
405 Jefferson Street
Washington, MO 63090

Staff is recommending the purchase of the Integrity Municipal System which is low bid,
and asking for your approval to proceed.

Thank You

A handwritten signature in black ink, appearing to read "Kevin Quaethem". The signature is fluid and cursive, with a large initial "K" and "Q".

Kevin Quaethem

Public Works Superintendent

MAIL TO: Public Works Department
405 Jefferson Street
Washington, MO 63090



	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	1,372.00	10,536.83	-11,463.17 52.11 %
400-35-000-450900	Revenues-All Other	15,000.00	15,000.00	6,900.00	54,815.80	39,815.80 365.44 %
400-35-000-453100	Water Sales	1,390,000.00	1,390,000.00	96,397.54	666,709.77	-723,290.23 52.04 %
400-35-000-453200	Water Meter Sales	10,000.00	10,000.00	700.72	8,610.69	-1,389.31 13.89 %
400-35-000-453500	Connection Charges	25,000.00	25,000.00	600.00	11,950.00	-13,050.00 52.20 %
400-35-000-453550	Tap Charges	500.00	500.00	0.00	2,525.00	2,025.00 505.00 %
400-35-000-453600	Labor & Equipment Charges	1,000.00	1,000.00	0.00	1,137.83	137.83 113.78 %
400-35-000-453700	Miscellaneous Materials Sold	3,000.00	3,000.00	0.00	2,834.85	-165.15 5.51 %
400-35-000-461200	Rent/Lease-Municipal Property/Bui	32,425.00	32,425.00	3,434.83	22,011.88	-10,413.12 32.11 %
400-35-000-480000	Investment Income	8,000.00	8,000.00	0.00	5,396.40	-2,603.60 32.55 %
	Revenue Total:	1,506,925.00	1,506,925.00	109,405.09	786,529.05	-720,395.95 47.81 %
Expense						
400-35-000-510100	Salaries/Wages-Regular	404,700.00	404,700.00	24,318.44	160,779.01	243,920.99 60.27 %
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	3,066.07	7,829.04	930.96 10.63 %
400-35-000-511100	FICA Taxes	32,050.00	32,050.00	2,020.13	12,433.52	19,616.48 61.21 %
400-35-000-511300	Health Insurance	86,520.00	86,520.00	5,524.10	33,700.41	52,819.59 61.05 %
400-35-000-511400	Dental Insurance	5,030.00	5,030.00	374.85	2,257.26	2,772.74 55.12 %
400-35-000-511600	Life Insurance	620.00	620.00	43.93	265.19	354.81 57.23 %
400-35-000-511700	LAGERS Retirement Plan	26,460.00	26,460.00	1,752.62	10,369.01	16,090.99 60.81 %
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	99.91	6,273.70	7,376.30 54.04 %
400-35-000-520250	Administration, Finance & IT Depar	151,340.00	151,340.00	0.00	63,058.30	88,281.70 58.33 %
400-35-000-520300	Technical Services	45,950.00	45,950.00	2,850.00	19,379.28	26,570.72 57.83 %
400-35-000-520400	Other Contracted Services	38,000.00	38,000.00	5,283.17	55,129.68	-17,129.68 -45.08 %
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	0.00	0.00	19,425.00 100.00 %
400-35-000-521540	Uniform Cleaning Service	2,000.00	2,000.00	87.12	697.69	1,302.31 65.12 %
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	8,211.31	3,988.69 32.69 %
400-35-000-521630	Vehicle Repair & Maintenance	15,000.00	15,000.00	0.00	41.40	14,958.60 99.72 %
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	45.47	329.61	670.39 67.04 %
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	11,805.70	24,574.30 67.55 %
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	509.30	1,090.70 68.17 %
400-35-000-522400	Telephone	8,300.00	8,300.00	191.75	1,886.04	6,413.96 77.28 %
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	1,266.29	1,706.24	-506.24 -42.19 %
400-35-000-522700	Professional Dues & Memberships	2,150.00	2,150.00	100.00	2,913.00	-763.00 -35.49 %
400-35-000-522900	Postage	13,000.00	13,000.00	1,000.00	5,649.45	7,350.55 56.54 %
400-35-000-522950	Credit Card Fees	7,000.00	7,000.00	749.15	4,484.09	2,515.91 35.94 %
400-35-000-530410	Parts-Vehicle	2,000.00	2,000.00	8.01	1,065.42	934.58 46.73 %
400-35-000-530415	Parts-Equipment	4,000.00	4,000.00	0.00	2,030.35	1,969.65 49.24 %
400-35-000-530420	Offices Supplies	1,000.00	1,000.00	0.00	175.19	824.81 82.48 %
400-35-000-530500	Asphalt/Rock/Cement	20,000.00	20,000.00	0.00	8,575.11	11,424.89 57.12 %

Budget Report

For Fiscal: 2018-2019 Period Ending: 03/31/2019

	Original Total Budget	Current Total Budget	Period Activity	Fiscal Activity	Variance Favorable (Unfavorable)	Percent Remaining
<u>400-35-000-530600</u>	Straw/Seeding/Plants	500.00	500.00	0.00	166.65	333.35 66.67 %
<u>400-35-000-530650</u>	Grounds Maintenance	0.00	0.00	0.00	4,117.50	-4,117.50 0.00 %
<u>400-35-000-530700</u>	Uniforms & Clothing	600.00	600.00	100.00	300.00	300.00 50.00 %
<u>400-35-000-530800</u>	General Supplies	7,000.00	7,000.00	77.95	1,524.14	5,475.86 78.23 %
<u>400-35-000-531110</u>	Electricity	165,000.00	165,000.00	11,010.38	60,856.53	104,143.47 63.12 %
<u>400-35-000-531120</u>	Heating Fuel	1,500.00	1,500.00	0.00	1,613.83	-113.83 -7.59 %
<u>400-35-000-531300</u>	Gasoline & Oil	12,500.00	12,500.00	0.00	4,942.57	7,557.43 60.46 %
<u>400-35-000-532100</u>	Meters & Hydrants	46,300.00	46,300.00	0.00	13,547.58	32,752.42 70.74 %
<u>400-35-000-532200</u>	Pipe & Fittings	33,000.00	33,000.00	0.00	7,926.89	25,073.11 75.98 %
<u>400-35-000-533100</u>	Chemicals	15,000.00	15,000.00	0.00	5,399.16	9,600.84 64.01 %
<u>400-35-000-533300</u>	Janitorial Supplies	0.00	0.00	11.33	107.27	-107.27 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	296.07	3,262.80	8,932.20 73.24 %
<u>400-35-000-540200</u>	Buildings	0.00	0.00	5,396.13	8,682.46	-8,682.46 0.00 %
<u>400-35-000-541100</u>	Improvements Other Than Building	273,000.00	273,000.00	0.00	28,005.00	244,995.00 89.74 %
<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	25,740.88	19,259.12 42.80 %
<u>400-35-000-542200</u>	Machinery & Equipment	87,500.00	87,500.00	8.86	19,268.16	68,231.84 77.98 %
<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	65,818.90	609,834.97	1,867,855.03 75.39 %
	Fund: 400 - WATER FUND Surplus (Deficit):	-970,765.00	-970,765.00	43,586.19	176,694.08	1,147,459.08 118.20 %

Fund: 410 - SEWAGE TREATMENT FUND

Revenue						
<u>410-36-000-418500</u>	Sanitary Sewer District	20,000.00	20,000.00	4,255.08	14,373.78	-5,626.22 28.13 %
<u>410-36-000-450600</u>	Penalties/Interest Charges	45,000.00	45,000.00	2,671.84	17,986.88	-27,013.12 60.03 %
<u>410-36-000-450900</u>	Revenues-All Other	5,000.00	5,000.00	0.00	3,281.65	-1,718.35 34.37 %
<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	209,992.95	1,264,504.75	-1,235,495.25 49.42 %
<u>410-36-000-454125</u>	Surcharge Fees	25,000.00	25,000.00	3,215.10	13,122.68	-11,877.32 47.51 %
<u>410-36-000-454150</u>	Leachate Disposal Charge	35,000.00	35,000.00	8,160.00	25,160.00	-9,840.00 28.11 %
<u>410-36-000-454200</u>	Sewer Connection Charges	35,000.00	35,000.00	1,224.00	26,483.00	-8,517.00 24.33 %
<u>410-36-000-480000</u>	Investment Income	5,000.00	5,000.00	0.00	3,227.79	-1,772.21 35.44 %
<u>410-36-000-480200</u>	Investment Income.-Bond Acct.	390,000.00	390,000.00	0.00	4,698.11	-385,301.89 98.80 %
<u>410-99-000-499350</u>	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	229,518.97	1,372,838.64	-1,847,461.36 57.37 %

Expense						
<u>410-36-000-510100</u>	Salaries/Wages-Regular	163,310.00	163,310.00	9,703.08	64,959.44	98,350.56 60.22 %
<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	1,063.26	2,956.63	1,023.37 25.71 %
<u>410-36-000-511100</u>	FICA Taxes	13,300.00	13,300.00	761.92	4,825.58	8,474.42 63.72 %
<u>410-36-000-511300</u>	Health Insurance	39,720.00	39,720.00	2,820.88	17,260.38	22,459.62 56.54 %
<u>410-36-000-511400</u>	Dental Insurance	2,310.00	2,310.00	171.71	1,034.56	1,275.44 55.21 %
<u>410-36-000-511600</u>	Life Insurance	310.00	310.00	17.10	103.57	206.43 66.59 %
<u>410-36-000-511700</u>	LAGERS Retirement Plan	10,970.00	10,970.00	689.08	4,317.00	6,653.00 60.65 %
<u>410-36-000-512605</u>	Employee Incentive Program	200.00	200.00	0.00	90.00	110.00 55.00 %
<u>410-36-000-512700</u>	HRA Deductible	4,200.00	4,200.00	55.19	275.95	3,924.05 93.43 %
<u>410-36-000-520250</u>	Administration, Finance & IT Depar	78,120.00	78,120.00	0.00	32,550.00	45,570.00 58.33 %
<u>410-36-000-520300</u>	Technical Services	1,500.00	1,500.00	0.00	250.25	1,249.75 83.32 %
<u>410-36-000-520400</u>	Other Contracted Services	10,800.00	10,800.00	7,108.66	11,310.96	-510.96 -4.73 %
<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	29.04	224.54	375.46 62.58 %
<u>410-36-000-521560</u>	Building Repair & Maintenance	500.00	500.00	0.00	465.49	34.51 6.90 %
<u>410-36-000-521620</u>	Equipment Repair & Maintenance	23,285.00	23,285.00	137.17	10,872.46	12,412.54 53.31 %
<u>410-36-000-521630</u>	Vehicle Repair & Maintenance	5,450.00	5,450.00	353.11	1,965.86	3,484.14 63.93 %

Budget Report

For Fiscal: 2018-2019 Period Ending: 03/31/2019

		Original Total Budget	Current Total Budget	Period Activity	Fiscal Activity	Variance Favorable (Unfavorable)	Percent Remaining
<u>410-36-000-521640</u>	Equipment Rental	1,500.00	1,500.00	45.48	369.62	1,130.38	75.36 %
<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	4,876.35	11,293.65	69.84 %
<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	254.65	545.35	68.17 %
<u>410-36-000-522400</u>	Telephone	3,300.00	3,300.00	154.86	1,503.91	1,796.09	54.43 %
<u>410-36-000-522410</u>	Telephone-Alarm Control	3,000.00	3,000.00	0.00	2,803.55	196.45	6.55 %
<u>410-36-000-522500</u>	Training/Seminars	1,000.00	1,000.00	138.75	623.75	376.25	37.63 %
<u>410-36-000-522600</u>	Travel	700.00	700.00	0.00	13.00	687.00	98.14 %
<u>410-36-000-522700</u>	Professional Dues & Memberships	1,500.00	1,500.00	50.00	50.00	1,450.00	96.67 %
<u>410-36-000-522900</u>	Postage	6,000.00	6,000.00	500.00	2,539.42	3,460.58	57.68 %
<u>410-36-000-522950</u>	Credit Card Fees	7,000.00	7,000.00	749.14	4,484.01	2,515.99	35.94 %
<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	743.22	-43.22	-6.17 %
<u>410-36-000-530415</u>	Parts-Equipment	12,000.00	12,000.00	306.14	5,542.17	6,457.83	53.82 %
<u>410-36-000-530420</u>	Offices Supplies	500.00	500.00	0.00	80.88	419.12	83.82 %
<u>410-36-000-530500</u>	Asphalt/Rock/Cement	25,000.00	25,000.00	136.38	1,196.06	23,803.94	95.22 %
<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	310.14	1,989.86	86.52 %
<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	3,107.74	15,165.30	29,834.70	66.30 %
<u>410-36-000-531120</u>	Heating Fuel	2,000.00	2,000.00	0.00	1,613.83	386.17	19.31 %
<u>410-36-000-531300</u>	Gasoline & Oil	6,500.00	6,500.00	21.34	2,534.62	3,965.38	61.01 %
<u>410-36-000-532200</u>	Pipe & Fittings	2,200.00	2,200.00	59.84	3,495.23	-1,295.23	-58.87 %
<u>410-36-000-532270</u>	Manhole Replacement Program	10,000.00	10,000.00	0.00	4,990.45	5,009.55	50.10 %
<u>410-36-000-533100</u>	Chemicals	2,200.00	2,200.00	0.00	10.49	2,189.51	99.52 %
<u>410-36-000-533300</u>	Janitorial Supplies	0.00	0.00	11.31	107.26	-107.26	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	34.18	891.78	10,383.22	92.09 %
<u>410-36-000-541100</u>	Improvements Other Than Building	230,000.00	80,000.00	0.00	19,002.00	60,998.00	76.25 %
<u>410-36-000-541120</u>	Sanitary Sewer System Improve	165,000.00	315,000.00	0.00	0.00	315,000.00	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>410-36-000-542200</u>	Machinery & Equipment	0.00	400,000.00	380,397.00	380,397.00	19,603.00	4.90 %
<u>410-36-090-559110</u>	Interest Expense	539,500.00	539,500.00	0.00	274,634.38	264,865.62	49.09 %
<u>410-36-090-559120</u>	Agent Fees	68,000.00	68,000.00	0.00	62,852.79	5,147.21	7.57 %
<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	975,000.00	0.00	0.00 %
<u>410-36-361-510100</u>	Salaries/Wages-Regular	202,300.00	202,300.00	17,130.26	111,613.10	90,686.90	44.83 %
<u>410-36-361-510300</u>	Salaries/Wages-Overtime	3,750.00	3,750.00	7.31	1,474.59	2,275.41	60.68 %
<u>410-36-361-511100</u>	FICA Taxes	15,670.00	15,670.00	1,227.90	8,135.87	7,534.13	48.08 %
<u>410-36-361-511300</u>	Health Insurance	46,800.00	46,800.00	3,818.70	23,236.27	23,563.73	50.35 %
<u>410-36-361-511400</u>	Dental Insurance	2,720.00	2,720.00	235.66	1,417.75	1,302.25	47.88 %
<u>410-36-361-511600</u>	Life Insurance	370.00	370.00	32.41	195.18	174.82	47.25 %
<u>410-36-361-511700</u>	LAGERS Retirement Plan	12,920.00	12,920.00	1,096.76	7,209.86	5,710.14	44.20 %
<u>410-36-361-512605</u>	Employee Incentive Program	400.00	400.00	0.00	90.00	310.00	77.50 %
<u>410-36-361-512700</u>	HRA Deductible	5,250.00	5,250.00	0.00	1,149.00	4,101.00	78.11 %
<u>410-36-361-520250</u>	Administration, Finance & IT Depar	78,120.00	78,120.00	0.00	32,550.00	45,570.00	58.33 %
<u>410-36-361-520300</u>	Technical Services	10,000.00	10,000.00	582.20	7,458.45	2,541.55	25.42 %
<u>410-36-361-520400</u>	Other Contracted Services	22,565.00	22,565.00	2,734.00	7,656.74	14,908.26	66.07 %
<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	58.08	475.60	1,024.40	68.29 %
<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	137.17	10,207.25	27,492.75	72.93 %
<u>410-36-361-521630</u>	Vehicle Repair & Maintenance	6,000.00	6,000.00	0.00	3,474.12	2,525.88	42.10 %
<u>410-36-361-521640</u>	Equipment Rental	500.00	500.00	33.16	194.10	305.90	61.18 %
<u>410-36-361-522200</u>	Property, Liability & Casualty Insura	24,250.00	24,250.00	0.00	7,288.55	16,961.45	69.94 %
<u>410-36-361-522210</u>	Self-Insurance Deductible	500.00	500.00	0.00	0.00	500.00	100.00 %

Budget Report

For Fiscal: 2018-2019 Period Ending: 03/31/2019

		Original Total Budget	Current Total Budget	Period Activity	Fiscal Activity	Variance Favorable (Unfavorable)	Percent Remaining
<u>410-36-361-522300</u>	Printing/Duplicating	1,050.00	1,050.00	0.00	254.65	795.35	75.75 %
<u>410-36-361-522400</u>	Telephone	8,000.00	8,000.00	50.00	3,492.10	4,507.90	56.35 %
<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 %
<u>410-36-361-522600</u>	Travel	500.00	500.00	-135.25	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	500.00	2,725.43	2,274.57	45.49 %
<u>410-36-361-530200</u>	Lab Supplies	8,600.00	8,600.00	0.00	68.28	8,531.72	99.21 %
<u>410-36-361-530410</u>	Parts-Vehicle	800.00	800.00	175.91	538.77	261.23	32.65 %
<u>410-36-361-530415</u>	Parts-Equipment	37,000.00	37,000.00	354.93	12,514.26	24,485.74	66.18 %
<u>410-36-361-530420</u>	Offices Supplies	300.00	300.00	0.00	38.50	261.50	87.17 %
<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	100.00	200.00	200.00	50.00 %
<u>410-36-361-530800</u>	General Supplies	4,000.00	4,000.00	0.00	360.94	3,639.06	90.98 %
<u>410-36-361-531110</u>	Electricity	175,000.00	175,000.00	11,327.22	60,204.30	114,795.70	65.60 %
<u>410-36-361-531120</u>	Heating Fuel	14,000.00	14,000.00	0.00	11,715.76	2,284.24	16.32 %
<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	1,565.58	7,631.58	9,068.42	54.30 %
<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	5,254.45	10,524.89	900.11	7.88 %
<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	5,126,910.00	454,908.81	2,254,340.62	2,872,569.38	56.03 %
	Fund: 410 - SEWAGE TREATMENT FUND Surplus (Deficit):	-1,666,610.00	-1,906,610.00	-225,389.84	-881,501.98	1,025,108.02	53.77 %
	Report Surplus (Deficit):	-2,637,375.00	-2,877,375.00	-181,803.65	-704,807.90	2,172,567.10	75.51 %

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	109,405.09	786,529.05	-720,395.95	47.81 %
Expense	2,477,690.00	2,477,690.00	65,818.90	609,834.97	1,867,855.03	75.39 %
Fund: 400 - WATER FUND Surplus (Deficit):	-970,765.00	-970,765.00	43,586.19	176,694.08	1,147,459.08	118.20 %
Fund: 410 - SEWAGE TREATMENT FUND						
Revenue	3,060,300.00	3,220,300.00	229,518.97	1,372,838.64	-1,847,461.36	57.37 %
Expense	4,726,910.00	5,126,910.00	454,908.81	2,254,340.62	2,872,569.38	56.03 %
Fund: 410 - SEWAGE TREATMENT FUND Surplus (Deficit):	-1,666,610.00	-1,906,610.00	-225,389.84	-881,501.98	1,025,108.02	53.77 %
Report Surplus (Deficit):	-2,637,375.00	-2,877,375.00	-181,803.65	-704,807.90	2,172,567.10	75.51 %

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	43,586.19	176,694.08	1,147,459.08
410 - SEWAGE TREATMENT FUND	-1,666,610.00	-1,906,610.00	-225,389.84	-881,501.98	1,025,108.02
Report Surplus (Deficit):	-2,637,375.00	-2,877,375.00	-181,803.65	-704,807.90	2,172,567.10

Memorandum

TO: Darren Lamb, City Administrator
Board of Public Works

FROM: Kevin Quaethem, Water and Wastewater Superintendent

DATE: April 5, 2019

RE: Work Performed by the Water and Wastewater Departments

STATUS OF MAJOR CONTRACTS –MARCH 2019

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

MARCH 2019

Water Pumped March 2019..... 55,387,000 1.79 mgd
Wastewater Effluent Flow March 2019..... 95,600,000 3.80 mgd
Missouri One Call Locate messages received for locates.....173
Meters Issued as new.....4
Meters Issued as replacements.....0
Meters Issued as new for irrigation systems0
Meters Re-reads6
Service Requests/Work Orders Completed March 2019.....15
Sewer Routines0
Delinquent Accounts actually shut off in March 2019.....55

WATER DEPARTMENT FIELD WORK PERFORMED – MARCH 2019

- | | |
|---|--|
| 1. Shop Maintenance | 12. Water Break West End Lift Station |
| 2. Meter/Swapping/Repair | 13. Water Break – Parkview Ct. |
| 3. Repair/Replace/Number Hydrants | 14. Plow Snow – Clean Sidewalks |
| 4. Check Wells/Lift Stations/Heaters | 15. Cold Patch High Street |
| 5. Missouri One Call Locates | 16. UCMR4 - Sampling |
| 6. Hydrant Flushing/Painting | 17. Cleaned Shop and Trucks |
| 7. Emergency Call Out – Water Break High St | 18. Moved Barrels of Chlorine to Wells |
| 8. Working @ Well #9, Walls, Floors, Roof | 19. Meter Re-reads |
| 9. Replace Curb Stop @ Andrea Crest | |
| 10. Freeze Water line @ 320 State St. | |
| 11. Hauled Dirt to Landfill | |

WASTEWATER DEPARTMENT FIELD WORK PERFORMED – MARCH 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 – Alarms Madison Lift Station
8. Call out West Link Lift – Power Out
9. Sewer Backup @ Rabbit Trail & 100
10. Sewer Jet @ Old Bowling Alley
11. Sewer Backup – International & 100
12. Replaced Pump @ Landfill
13. Installed Conduit @ Clay Street
14. Replaced UV Lights
15. Cleaned Sludge @ Old Plant Lower Level
16. Replaced UV Lights
17. Flood Prep Work @ Plant
18. Hauled Sludge Across River

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.



April 4, 2019

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

Re: Disinfectant Monitoring Log for Month of March 2019

Enclosed you will find the Disinfectant Monitoring Log containing all our daily chlorine readings as of March 2019.

Please let us know if you need any additional data.

Sincerely,

A handwritten signature in black ink, appearing to read "Kevin Quaethem".

Kevin Quaethem
Water/WW Superintendent

KQ/bh

Disinfectant Monitoring

PWS:	The City of Washington - Well # 3							
PWSID:	MO6010838							
County:	Franklin							
Month:	March-19					Chlorine Residual		
Date	Time	Free Cl (mg/l) @ Well	Sampler	Collection Point	Sample Type	Total	Free	Sampler
1	9:19	0.74	RS					
2	7:00	0.88	KD					
3	1:20	Well Not Running	DV					
4	9:07	Well Not Running	RS					
5	9:02	1.29	RS					
6	9:59	1.26	RS					
7	9:49	1.42	ST					
8	8:25	0.66	BR/RW					
9	6:34	Well Not Running	BR					
10	6:33	Well Not Running	BR					
11	9:04	Well Not Running	ST					
12	8:40	Well Not Running	RS					
13	9:22	1.27	RS					
14	9:41	1.55	ST					
15	9:43	1.24	RS					
16	1:08	0.99	ST					
17	11:43	0.93	ST					
18	9:30	1.01	RS					
19	10:17	0.89	ST					
20	8:32	0.73	RS					
21	9:59	0.63	RS					
22	9:57	0.54	RS					
23	6:42	0.55	BK					
24	6:42	0.5	BK					
25	10:26	0.5	RS					
26	8:18	0.54	RS					
27	8:25	Well Not Running	RS					
28	8:39	Well Not Running	RS					
29	9:12	Well Not Running	RS					
30	8:58	Well Not Running	DV					
31	8:26	Well Not Running	DV					

Notes:

Disinfectant Monitoring

PWS:	The City of Washington - Well # 4							
PWSID:	MO6010838							
County:	Franklin							
Month:	March-19					Chlorine Residual		
Date	Time	Free Cl (mg/l) @ Well	Sampler	Sample Point	Sample Type	Total	Free	Sampler
1	8:47	0.5	RS					
2	8:35	Well Not Running	KD					
3	2:02	Well Not Running	DV					
4	8:37	Well Not Running	RS					
5	8:28	Well Not Running	RS					
6	9:31	Well Not Running	RS					
7	9:17	1.76	ST					
8	8:11	Well Not Running	BR/RW					
9	9:10	0.86	BR					
10	9:08	0.73	BR					
11	8:41	0.66	ST					
12	8:00	0.51	RS					
13	8:46	0.7	RS					
14	8:47	0.71	ST					
15	9:31	Well Not Running	RS					
16	12:43	Well Not Running	ST					
17	11:19	Well Not Running	ST					
18	9:08	0.67	RS					
19	8:57	0.57	ST					
20	8:06	0.5	RS					
21	9:06	0.61	RS					
22	9:08	0.9	RS					
23	6:06	0.7	BK					
24	6:27	0.38	BK					
25	9:26	0.63	RS					
26	8:09	Well Not Running	RS					
27	8:01	Well Not Running	RS					
28	8:31	Well Not Running	RS					
29	9:31	0.7	RS					
30	8:10	0.53	DV					
31	8:04	Well Not Running	DV					

Notes:

Disinfectant Monitoring

PWS:	The City of Washington - Well # 5							
PWSID:	MO6010838							
County:	Franklin							
Month:	March-19						Chlorine Residual	
Date	Time	Free Cl (mg/l) @ Well	Sampler	Sample Point	Sample Type	Total	Free	Sampler
1	10:40	Well Not Running	RS					
2	10:09	1.32	KD					
3	9:00	Well Not Running	DV	#4 Chamber Dr.	R	0.39	0.32	CA
4	11:30	1.22	RS					
5	10:05	1.43	RS					
6	11:06	Well Not Running	RS					
7	11:13	1.08	ST					
8	9:32	Well Not Running	BR/RW					
9	9:21	Well Not Running	BR					
10	6:41	1.29	BR					
11	10:40	Well Not Running	ST					
12	10:04	Well Not Running	RS					
13	11:01	0.88	RS	#4 Chamber Dr.	R	1.85	1.38	CA
14	11:06	Well Not Running	ST					
15	10:28	0.76	RS					
16	1:44	Well Not Running	ST					
17	12:39	1.42	ST					
18	10:07	Well Not Running	RS					
19	11:53	Well Not Running	ST					
20	9:34	1.04	RS	404 E 2nd St.	R	0.53	0.55	CA
21	10:37	Well Not Running	RS					
22	10:54	Well Not Running	RS					
23	6:25	Well Not Running	BK					
24	6:50	Well Not Running	BK					
25	11:40	Well Not Running	RS					
26	8:39	Well Not Running	RS					
27	9:04	Well Not Running	RS					
28	9:00	Well Not Running	RS					
29	10:24	0.87	RS					
30	9:06	Well Not Running	DV					
31	8:34	Well Not Running	DV					

Notes:

Disinfectant Monitoring

PWS:		The City of Washington - Well # 6							
PWSID:		MO6010838							
County:		Franklin					Chlorine Residual		
Month:		March-19					Total	Free	Sampler
Date	Time	Free Cl (mg/l) @ Well	Sampler	Sample Point	Sample Type	Total	Free	Sampler	
1	8:30	0.91	RS						
2	8:41	Well Not Running	KD						
3	1:56	Well Not Running	DV						
4	8:24	1	RS						
5	8:23	0.98	RS	200 E 14th St.	R	0.34	0.31	CA	
6	9:05	1.13	RS						
7	8:58	Well Not Running	ST						
8	8:04	Well Not Running	BR/RW						
9	9:03	Well Not Running	BR						
10	9:02	Well Not Running	BR						
11	8:35	Well Not Running	ST						
12	7:46	2.5	RS						
13	8:24	Well Not Running	RS	1901 W Main St.	R	0.74	0.82	CA	
14	8:26	Well Not Running	ST						
15	9:14	Well Not Running	RS						
16	12:39	Well Not Running	ST						
17	11:14	Well Not Running	ST						
18	8:53	0.6	RS						
19	8:48	Well Not Running	ST						
20	8:00	1.45	RS	1220 Lakeshore	R	0.31	0.27	CA	
21	8:31	1.65	RS						
22	9:03	0.99	RS						
23	6:00	Well Not Running	BK						
24	6:22	Well Not Running	BK						
25	9:10	1.57	RS						
26	8:05	2.22	RS						
27	7:56	2.16	RS						
28	8:20	Well Not Running	RS						
29	9:24	Well Not Running	RS						
30	8:14	Well Not Running	DV						
31	7:59	Well Not Running	DV						

Notes:

Disinfectant Monitoring

PWS:		The City of Washington - Well # 7							
PWSID:		MO6010838							
County:		Franklin							
Month:		March-19					Chlorine Residual		
Date	Time	Free Cl (mg/l) @ Well	Sampler	Sample Point	Sample Type	Total	Free	Sampler	
1	9:53	1.36	RS						
2	8:04	1.19	KD						
3	1:04	1.07	DV						
4	9:33	0.96	RS						
5	9:31	1.26	RS	1220 Lakeshore	R	0.35	0.35	CA	
6	10:30	Well Not Running	RS						
7	10:37	Well Not Running	ST						
8	8:41	Well Not Running	BR/RW						
9	6:23	2.34	BR						
10	6:21	1.08	BR						
11	9:43	Well Not Running	ST						
12	9:30	Well Not Running	RS						
13	10:07	0.6	RS	1651 W Fifth St.	R	0.78	0.81	CA	
14	10:04	Well Not Running	ST						
15	10:03	1.13	RS						
16	1:25	Well Not Running	ST						
17	12:07	0.97	ST						
18	9:40	1.08	RS						
19	11:12	1.68	ST						
20	8:53	0.73	RS	#4 Chamber Dr	R	0.61	0.61	CA	
21	10:04	0.84	RS						
22	10:18	0.5	RS						
23	6:40	0.43	BK						
24	7:07	0.54	BK						
25	10:48	0.67	RS						
26	8:25	1.9	RS						
27	8:39	Well Not Running	RS						
28	8:46	Well Not Running	RS						
29	10:00	1.46	RS						
30	8:52	Well Not Running	DV						
31	8:53	Well Not Running	DV						

Notes:

Disinfectant Monitoring

PWS:	The City of Washington - Well # 8							
PWSID:	MO6010838							
County:	Franklin							
Month:	March-19					Chlorine Residual		
Date	Time	Free Cl (mg/l) @ Well	Sampler	Collection Point	Sample Type	Total	Free	Sampler
1	7:48	0.65	RS					
2	10:00	Well Not Running	KD					
3	1:42	Well Not Running	DV					
4	7:37	Well Not Running	RS					
5	7:37	0.91	RS	405 Jefferson St	R	0.31	0.29	CA
6	8:31	0.54	RS					
7	8:08	0.99	ST					
8	7:57	0.99	BR/RW					
9	8:48	1.03	BR					
10	8:53	0.95	BR					
11	8:05	0.96	ST					
12	7:15	1.29	RS					
13	7:42	0.79	RS	1220 Lakeshore Dr	R	0.74	0.71	CA
14	7:49	Well Not Running	ST					
15	8:46	0.75	RS					
16	9:06	0.52	ST					
17	9:01	0.66	ST					
18	8:26	0.96	RS					
19	7:54	0.86	ST					
20	7:33	0.5	RS	519 Washington Av.	R	0.48	0.45	CA
21	7:58	1	RS					
22	8:34	1.04	RS					
23	5:50	0.8	BK					
24	6:15	Well Not Running	BK					
25	8:33	0.53	RS					
26	7:49	0.75	RS					
27	7:32	0.74	RS					
28	7:55	1.11	RS					
29	8:44	0.6	RS					
30	7:16	0.51	DV					
31	7:53	Well Not Running	DV					

Notes:

Disinfectant Monitoring

PWS:	The City of Washington - Well # 9 (Well Out of Service)							
PWSID:	MO6010838							
County:	Franklin							
Month:	March-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:	March-19					Chlorine Residual		
Date	Time	Free Cl (mg/l) @ Well	Sampler	Collection Point	Sample Type	Total	Free	Sampler
1	8:02	0.88	RS					
2	8:05	0.91	KD					
3	1:47	0.98	DV					
4	8:05	0.91	RS					
5	7:59	0.92	RS	515 Washington	R	0.26	0.29	CA
6	7:17	0.89	RS					
7	8:34	0.79	ST					
8	7:49	Well Not Running	BR/RW					
9	8:37	2.81	BR					
10	8:45	2.76	BR					
11	8:23	2.37	ST					
12	7:27	1.69	RS					
13	7:56	1.17	RS	6354 Bluff Rd	R	1.21	1.12	CA
14	8:14	1	ST					
15	9:02	1.03	RS					
16	9:13	0.81	ST					
17	9:07	0.8	ST					
18	8:39	0.8	RS					
19	8:12	0.77	ST					
20	7:42	0.77	RS	4983 South Point	R	0.46	0.43	CA
21	8:19	0.74	RS					
22	8:47	0.68	RS					
23	5:20	0.58	BK					
24	6:05	0.69	BK					
25	8:59	0.72	RS					
26	7:56	1.18	RS					
27	7:43	0.54	RS					
28	8:03	1.28	RS					
29	8:51	1.17	RS					
30	7:20	1.18	DV					
31	7:47	1.09	DV					

Notes:

Disinfectant Monitoring

PWS:	The City of Washington - Well # 11							
PWSID:	MO6010838							
County:	Franklin							
Month:	March-19					Chlorine Residual		
Date	Time	Free Cl (mg/l) @ Well	Sampler	Sample Point	Sample Type	Total	Free	Sampler
1	10:27	0.63	RS					
2	7:52	0.6	KD					
3	4:00	Well Not Running	DV					
4	12:46	0.64	RS					
5	9:45	0.66	RS					
6	10:55	0.6	RS					
7	10:53	Well Not Running	ST					
8	9:02	0.78	BR/RW					
9	6:09	Well Not Running	BR					
10	6:06	0.65	BR					
11	11:00	Well Not Running	ST					
12	9:55	0.84	RS					
13	10:44	0.58	RS					
14	10:46	Well Not Running	ST					
15	10:13	1.27	RS					
16	1:36	Well Not Running	ST					
17	12:32	1.76	ST					
18	9:51	0.85	RS					
19	11:42	2.46	ST					
20	9:00	0.56	RS					
21	10:28	Well Not Running	RS					
22	10:37	0.8	RS					
23	6:53	0.58	BK					
24	7:24	0.56	BK					
25	11:32	0.67	RS					
26	8:31	1.18	RS					
27	8:56	Well Not Running	RS					
28	8:53	1.96	RS					
29	10:09	0.55	RS					
30	6:08	0.5	DV					
31	8:41	Well Not Running	DV					

Notes: