

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

The Regular Meeting of the Board of Public Works was held on Tuesday, February 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	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 January 8, 2019 meeting. The motion passed without dissent.

Priority

We have two things for discussion - Combination Truck – As you all know we purchased 2003 used vactor truck back in 2012. It was purchased from the City of Wichita Falls, Kansas through Key Equipment. The truck has been used for everything, cleaning sewer lines. Manholes used to be cleaned manually before this truck was purchased. Guys would go down in the manhole and clean out with buckets, then dump it in a truck. Once we got the truck we were able to eliminate the guy going in the manhole. Truck was also used for hydro excavating around any utilities. We used it just a couple of weeks ago cleaning sludge from a turned over farm truck for the fire department. However, the truck has become unusable. It seems there is a crack in the engine block, oil is running out faster than it runs through the engine. We do have a truck in the budget for next year, was just hoping to limp the old truck through the year but has become impossible. We have been working with administration and finance, on looking at a truck that would be multi-functional which will be funded departmentally out of wastewater general revenue fund; Storm water and possibly the fire department, there's no guarantee on that for now.

We have gone out for bids with competitors. Looking at going with a new truck but we do not have the time, we need something real soon. The one we are looking at is a demo truck that has been put through the paces during numerous demos. This truck is a 2018 Freightliner and has 20,000 road miles with 80 hours of equipment time. Most of these hours are idle time since it is used as a demo truck. I do have a new truck priced in the packet around \$437,513.00. Since then I have worked with the company and got a demo price bid of \$391,147.00 less 3% discount on the equipment. The equipment cost will be \$284,982.00 with the 3% discount.

We have been working with finance on the funds available throughout all the departments just a matter of allocating them.

We need approval from the Board to proceed with the purchase of a truck whether it's this one or a different one. The crew feels this is a very easily maintained truck. The old truck was purchased in 2012 for \$90,000.00 which at that time was 9 years old. Only reason we got it that cheap was the salesman for Key Equipment who no longer works there knew we were looking for a truck and called one day to let us know that Wichita had just traded in their truck and was able to see the truck for \$90,000.00 so they wrote up the contract and signed. Some of the equipment and parts for the old truck is getting harder to find and expensive. We did rebuild the pump a year or so ago for the price of \$10,000.00.

There is some value to the old truck just not as a trade in. The City will post it on an auction site to sell for parts.

Warranty on the new truck is three years on the chassis and one year on equipment this is normal. This truck has the capacity of 12 yards as opposed to the six yards on the old truck. This would make doing routines a lot simpler and we would be able to do twice as much.

Mr. Richardson made a motion and was second by Mr. Radetic, motion was made and second to move forward with the purchase of a new truck. It is recommended to move forward to the Council for approval.

New Pump for Walnut Street – We have been working on this for a long time. Front Street has been an ongoing problem for year during heavy rains. We need to put a trunk line from West End Lift Station all the way down to Walnut Street. The cost for this would be over a million dollars.

Instead we could install a bigger pump. Looking at a (185 hp) that will pump (2500 to 2800 gallons per minutes (gpm)) Cogent has Flygt Pumps which is what we will be switching over to at the lift stations. We have five that are in operation now. The only problems have been manufacturers issues of the gel around the cooling jacket around the pump. The pumps themselves are bullet proof. Very little maintenance unless they get rags wrapped around them then we have to pull the rags out to clean.

There cost for the pump will be \$227,955.00 and there will be an extra cost of \$4,500.00 for pumping around, which they will have to do in the dry side of the lift station (wet well). Everything is already set up. If this is approved to move forward on then our next storm we will not have to adjust our pumping at three lift stations, it will all be down at the treatment plant. The pumps we have there now are about eight years old. This will take out Pump #1, and sit down on a pallet down in the dry well and be used as a backup in case one of the other 2 pumps goes out. Same with the controller that is taking care of Pump #1 it will actually stay in place it just won't be used it will serve in a backup capacity only.

All the equipment, materials we are not getting rid of we are keeping them as replacement parts. This new pump is three times the size of the old one.

The pump itself is actually not budgeted, we do have budget money and am working with Mary Sprung. We do have money in the budget for slip lining of \$150,000.00 and West Link Lift Station has \$150,000.00. West Link was put in the budget to convert over to the new Flygt Pump. West Link is pumping and there's nothing wrong with it. We are just trying to get them all converted over to the Flygt Pumps, so down the road they are all the same. Mary Sprung is okay with this, she actually suggested this to move West Link to next years' budget and take the slip lining budget which DNR wants us to do an improvement every year on the system. This will improve the system down on Front Street. Just reallocating funds for now.

Just letting everyone know the issue at Front Street is not because of bad piping. The pipe is in decent shape. We were looking into a new trunk line at Front Street, but with the price tag of a million. We discussed the lift station on how can we maximize the hydraulics and force main from the lift station down to the treatment plant, can we increase the capacity pumped more sewage during an actual rain event. This actually is a cost savings when you look at it from the prospective because we were going to have to do something. We are not only with the sewage side, but we also have to explain it from the Separate Storm Sewer System (MS4) Permit. Essentially when you mix a storm system with sanitary sewage it's a no-no. You can't allow those

discharges and we all know during large rain events it exceeds the limit and starts popping a few manhole lids on Front Street. That is a direct correlation because the system cannot move the sewage from the wet well down to the treatment plant efficiently enough so there is an overflow, we know that, we do not take it lightly, we are actively trying to fix. So this is a mechanism to do that to increase the pumping capacity.

So the other thing we look at is getting storm water out of sanitary sewage, you have to stop it at the source. This is what slip lining does, it stops it at the source, but there is no way of knowing how many down spouts, other pipes that are connected to the sanitary sewer since it was built over a 100 years ago. We are actually trying to stop it at the source which is where the storm water gets into the system, but that's a very reactive way to do things because I would have to know all the locations. Some of the other problems are where we receive all of our sewage that ends up down at Walnut is a lot of the older part of town which is where we are sitting now, and 6" lines as we know cannot be slip lined. So, if you have a joint that is offset on top of the pipe it might not affect the flow of sewage going down the line or releasing itself from the pipe, but the top of the pipe is broken allowing infiltration to come in the top. To find all of them would be nearly impossible.

There is no way to say this will take care of all the problems, we cannot make that guarantee. The wet well is the choke point of the whole thing because you have to pick that water up and force it down to the treatment plant. There's no guarantee it will reduce the risk significantly. We have spent a lot of time calculating the best guess of how much flow comes into the lift station during a heavy storm, we are getting 2,000 to 2,200 gallons per minutes.

The new pump is a better alternative than a new trunk line costing millions of dollars and the only place a new trunk line could be put is on the North side of the train track. We would have to go underneath train tracks and put on the North side which is the flood side.

The one manhole that pops is at Olive and Front Street has a 24" lid. The pipe between this pump and the treatment plant does have the capacity. The pipe is a 14" pipe. The treatment plant is capable of handling a four-million-gallon capacity and we are only operating at two-million-gallon capacity. The surge going down to it can receive and handle it with no problem.

A motion was made by Mr. Radetic and second by Mr. Mitchell to move forward in presenting this to the Council at their next meeting. All in favor aye, those oppose. This is approved to move forward.

Wastewater

Slip lining will not be done during this budget year, but next year there will be a more sizeable amount to go forward with. If you don't have enough for a package it costs more, the mobilization alone can eat up thousands. There are several fund that can be used other than slip lining, there is also storm water. We will keep the Board updated on the funding on where it will be taken from.

Water

Rebuild of Well 9 we are still waiting. We have some really good plans for the building, but still waiting on the weather to improve. We are still waiting to hear from the settlement offer from the insurance company.

Melton Sewer Project – We are still waiting on the weather to get better. This is kind of a safety hazard – work will be on an incline. We will have this all installed and ready before they need.

Annexed Properties – We have an agreement with Public Water Supply District #3, when a piece of property is annexed into the city the agreement with them is to pay \$160.00 an acre. This agreement has been going since 2000. We are supposed to do this once a year, we evaluate the annexation of areas and then write a check. This is all handled through engineering but because of some transitions going on we kind of dropped the ball through no fault of anyone. The sheet that has been handed out to you shows the sites we still owe the District to get caught up.

Public Water Supply District #3 is on the east end of town. For the first five years of the contract was \$100.00 an acre then goes up \$10.00 every year thereafter. It gradually increases each year. All the annex properties that have sold since the last payment was made. We now owe them \$10,227.00 this is the amount of the check that needs to be cut. Moving forward we plan on putting internal checks and controls so we will get notified when these come in from now on and a check will be issued right away.

We feel it's important for the Board to see and understand what the costs are on these properties. We can email a copy of the agreement to better understand. This is an expense that is hard to project each year on what the cost will be it varies.

Other

Public Works crews are here today so the Board can meet and put a face to the people who do the work on the street. Dylan Voss who has been with the City going on three years, Chad Alfermann transferred over from Park Department and has been with Public Works for five years, Chad is the Water Foreman. Kerry Duke has been with the City 14 years and holds the position of Wastewater Foreman. Sonya Mason has been with Public Works for about two years in the clerk capacity, handles most of the call on the 1030 line, Rose Standridge has been with us almost a year and does the meter reading along with well information and etc., Stephen Thompson has been at the City two years and works for wastewater collection and works with Kerry Duke, Ron Wildt has been with the City almost 20 years and holds the position of Operator, Bryant Rodgers has over 35 years of experience working with contractors, all of these employees are valuable assets to the City.

Old Business

N/A

Open Discussion

Next Board Meeting we will have only two members so there will not be enough for a quorum.

Next Scheduled Meeting Date

The next scheduled meeting date is March 12, 2019.

Adjourn

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

Prepared by: _____
Beverly Hoyt
Water/Wastewater Secretary

Adopted and Approved by the Board of Public Works:

Date: _____ Signature: _____
Secretary



City of Washington, MO

Budget Report Account Summary

For Fiscal: 2018-2019 Period Ending: 02/28/2019

	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	1,618.90	9,164.83	-12,835.17	58.34 %
400-35-000-450900						
Revenues-All Other	15,000.00	15,000.00	42,806.00	47,824.31	32,824.31	318.83 %
400-35-000-453100						
Water Sales	1,390,000.00	1,390,000.00	101,712.31	570,312.23	-819,687.77	58.97 %
400-35-000-453200						
Water Meter Sales	10,000.00	10,000.00	1,649.61	7,909.97	-2,090.03	20.90 %
400-35-000-453500						
Connection Charges	25,000.00	25,000.00	1,200.00	11,350.00	-13,650.00	54.60 %
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	2,147.33	18,577.05	-13,847.95	42.71 %
400-35-000-480000						
Investment Income	8,000.00	8,000.00	0.00	3,133.90	-4,866.10	60.83 %
Revenue Total:	1,506,925.00	1,506,925.00	151,134.15	674,769.97	-832,155.03	55.22 %
Expense						
400-35-000-510100						
Salaries/Wages-Regular	404,700.00	404,700.00	25,046.52	136,460.57	268,239.43	66.28 %
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	1,728.20	4,762.97	3,997.03	45.63 %
400-35-000-511100						
FICA Taxes	32,050.00	32,050.00	1,967.41	10,413.39	21,636.61	67.51 %
400-35-000-511300						
Health Insurance	86,520.00	86,520.00	5,824.09	28,176.31	58,343.69	67.43 %
400-35-000-511400						
Dental Insurance	5,030.00	5,030.00	374.85	1,882.41	3,147.59	62.58 %
400-35-000-511600						
Life Insurance	620.00	620.00	43.93	221.27	398.73	64.31 %
400-35-000-511700						
LAGERS Retirement Plan	26,460.00	26,460.00	1,713.62	8,616.39	17,843.61	67.44 %
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	6,173.79	7,476.21	54.77 %
400-35-000-520250						
Administration, Finance & IT Depar	151,340.00	151,340.00	0.00	50,446.64	100,893.36	66.67 %
400-35-000-520300						
Technical Services	45,950.00	45,950.00	2,970.66	16,529.28	29,420.72	64.03 %
400-35-000-520400						
Other Contracted Services	38,000.00	38,000.00	12,149.34	46,209.07	-8,209.07	-21.60 %
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	581.53	1,418.47	70.92 %
400-35-000-521560						
Building Repair & Maintenance	1,000.00	1,000.00	465.50	465.50	534.50	53.45 %
400-35-000-521620						
Equipment Repair & Maintenance	12,200.00	12,200.00	174.07	8,074.14	4,125.86	33.82 %
400-35-000-521630						
Vehicle Repair & Maintenance	15,000.00	15,000.00	20.00	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	44.50	277.98	722.02	72.20 %
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	9,444.56	26,935.44	74.04 %
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	235.51	1,466.37	6,833.63	82.33 %
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	35.00	1,185.00	315.00	21.00 %
400-35-000-522600						
Travel	1,200.00	1,200.00	0.00	439.95	760.05	63.34 %
400-35-000-522700						
Professional Dues & Memberships	2,150.00	2,150.00	0.00	2,813.00	-663.00	-30.84 %
400-35-000-522900						
Postage	13,000.00	13,000.00	825.00	4,649.45	8,350.55	64.24 %
400-35-000-522950						
Credit Card Fees	7,000.00	7,000.00	766.39	3,734.94	3,265.06	46.64 %
400-35-000-530410						
Parts-Vehicle	2,000.00	2,000.00	379.82	931.41	1,068.59	53.43 %
400-35-000-530415						
Parts-Equipment	4,000.00	4,000.00	1,026.75	2,006.61	1,993.39	49.83 %
400-35-000-530420						
Offices Supplies	1,000.00	1,000.00	0.00	167.19	832.81	83.28 %
400-35-000-530500						
Asphalt/Rock/Cement	20,000.00	20,000.00	0.00	7,928.31	12,071.69	60.36 %

Budget Report

For Fiscal: 2018-2019 Period Ending: 02/28/2019

	Original Total Budget	Current Total Budget	Period Activity	Fiscal Activity	Variance Favorable (Unfavorable)	Percent Remaining
400-35-000-530600	500.00	500.00	0.00	166.65	333.35	66.67 %
400-35-000-530650	0.00	0.00	0.00	4,117.50	-4,117.50	0.00 %
400-35-000-530700	600.00	600.00	0.00	100.00	500.00	83.33 %
400-35-000-530800	7,000.00	7,000.00	64.18	1,404.64	5,595.36	79.93 %
400-35-000-531110	165,000.00	165,000.00	12,718.16	49,846.15	115,153.85	69.79 %
400-35-000-531120	1,500.00	1,500.00	0.00	1,103.63	396.37	26.42 %
400-35-000-531300	12,500.00	12,500.00	0.00	4,276.94	8,223.06	65.78 %
400-35-000-532100	46,300.00	46,300.00	0.00	13,547.58	32,752.42	70.74 %
400-35-000-532200	33,000.00	33,000.00	0.00	7,926.89	25,073.11	75.98 %
400-35-000-533100	15,000.00	15,000.00	0.00	4,363.91	10,636.09	70.91 %
400-35-000-533300	0.00	0.00	22.58	95.94	-95.94	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	369.23	2,857.53	9,337.47	76.57 %
400-35-000-540200	0.00	0.00	0.00	2,394.45	-2,394.45	0.00 %
400-35-000-541100	273,000.00	273,000.00	0.00	28,005.00	244,995.00	89.74 %
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	0.00	25,740.88	19,259.12	42.80 %
400-35-000-542200	87,500.00	87,500.00	0.00	17,891.98	69,608.02	79.55 %
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	69,052.43	519,107.85	1,958,582.15	79.05 %
Fund: 400 - WATER FUND Surplus (Deficit):	-970,765.00	-970,765.00	82,081.72	155,662.12	1,126,427.12	116.03 %

Fund: 410 - SEWAGE TREATMENT FUND

Revenue						
410-36-000-418500	Sanitary Sewer District	20,000.00	20,000.00	0.00	10,118.70	-9,881.30 49.41 %
410-36-000-450600	Penalties/Interest Charges	45,000.00	45,000.00	3,131.12	15,315.04	-29,684.96 65.97 %
410-36-000-450900	Revenues-All Other	5,000.00	5,000.00	230.00	3,281.65	-1,718.35 34.37 %
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	205,750.73	1,054,511.80	-1,445,488.20 57.82 %
410-36-000-454125	Surcharge Fees	25,000.00	25,000.00	2,888.01	9,907.58	-15,092.42 60.37 %
410-36-000-454150	Leachate Disposal Charge	35,000.00	35,000.00	7,310.00	17,000.00	-18,000.00 51.43 %
410-36-000-454200	Sewer Connection Charges	35,000.00	35,000.00	10,028.00	25,259.00	-9,741.00 27.83 %
410-36-000-480000	Investment Income	5,000.00	5,000.00	0.00	1,630.08	-3,369.92 67.40 %
410-36-000-480200	Investment Income.-Bond Acct.	390,000.00	390,000.00	0.00	3,128.68	-386,871.32 99.20 %
Revenue Total:		3,060,300.00	3,060,300.00	229,337.86	1,140,152.53	-1,920,147.47 62.74 %

Expense						
410-36-000-510100	Salaries/Wages-Regular	163,310.00	163,310.00	9,873.00	55,256.36	108,053.64 66.16 %
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	678.03	1,893.37	2,086.63 52.43 %
410-36-000-511100	FICA Taxes	13,300.00	13,300.00	742.42	4,063.66	9,236.34 69.45 %
410-36-000-511300	Health Insurance	39,720.00	39,720.00	2,970.89	14,439.50	25,280.50 63.65 %
410-36-000-511400	Dental Insurance	2,310.00	2,310.00	171.73	862.85	1,447.15 62.65 %
410-36-000-511600	Life Insurance	310.00	310.00	17.12	86.47	223.53 72.11 %
410-36-000-511700	LAGERS Retirement Plan	10,970.00	10,970.00	675.30	3,627.92	7,342.08 66.93 %
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	220.76	3,979.24 94.74 %
410-36-000-520250	Administration, Finance & IT Depar	78,120.00	78,120.00	0.00	26,040.00	52,080.00 66.67 %
410-36-000-520300	Technical Services	1,500.00	1,500.00	50.05	250.25	1,249.75 83.32 %
410-36-000-520400	Other Contracted Services	10,800.00	10,800.00	78.50	2,832.00	7,968.00 73.78 %
410-36-000-521300	Tippling 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	185.82	414.18 69.03 %
410-36-000-521560	Building Repair & Maintenance	500.00	500.00	465.49	465.49	34.51 6.90 %
410-36-000-521620	Equipment Repair & Maintenance	23,285.00	23,285.00	5,469.92	10,735.29	12,549.71 53.90 %
410-36-000-521630	Vehicle Repair & Maintenance	5,450.00	5,450.00	449.00	1,612.75	3,837.25 70.41 %
410-36-000-521640	Equipment Rental	1,500.00	1,500.00	44.50	317.98	1,182.02 78.80 %

Budget Report

For Fiscal: 2018-2019 Period Ending: 02/28/2019

		Original Total Budget	Current Total Budget	Period Activity	Fiscal Activity	Variance Favorable (Unfavorable)	Percent Remaining
<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	3,901.08	12,268.92	75.87 %
<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	154.86	1,164.89	2,135.11	64.70 %
<u>410-36-000-522410</u>	Telephone-Alarm Control	3,000.00	3,000.00	0.00	2,191.98	808.02	26.93 %
<u>410-36-000-522500</u>	Training/Seminars	1,000.00	1,000.00	485.00	485.00	515.00	51.50 %
<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	0.00	0.00	1,500.00	100.00 %
<u>410-36-000-522900</u>	Postage	6,000.00	6,000.00	412.50	2,039.42	3,960.58	66.01 %
<u>410-36-000-522950</u>	Credit Card Fees	7,000.00	7,000.00	766.38	3,734.87	3,265.13	46.64 %
<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	1.99	711.72	-11.72	-1.67 %
<u>410-36-000-530415</u>	Parts-Equipment	12,000.00	12,000.00	1,151.62	4,459.31	7,540.69	62.84 %
<u>410-36-000-530420</u>	Offices Supplies	500.00	500.00	0.00	72.89	427.11	85.42 %
<u>410-36-000-530500</u>	Asphalt/Rock/Cement	25,000.00	25,000.00	232.07	904.93	24,095.07	96.38 %
<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	11.00	298.15	2,001.85	87.04 %
<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	2,891.16	12,057.56	32,942.44	73.21 %
<u>410-36-000-531120</u>	Heating Fuel	2,000.00	2,000.00	0.00	1,103.63	896.37	44.82 %
<u>410-36-000-531300</u>	Gasoline & Oil	6,500.00	6,500.00	0.00	2,114.54	4,385.46	67.47 %
<u>410-36-000-532200</u>	Pipe & Fittings	2,200.00	2,200.00	0.00	3,435.39	-1,235.39	-56.15 %
<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	22.59	95.95	-95.95	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	0.00	857.60	10,417.40	92.39 %
<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>410-36-090-559110</u>	Interest Expense	539,500.00	539,500.00	0.00	0.00	539,500.00	100.00 %
<u>410-36-090-559120</u>	Agent Fees	68,000.00	68,000.00	0.00	0.00	68,000.00	100.00 %
<u>410-36-090-559130</u>	Amortization of Bond Discount/Pre	-21,340.00	-21,340.00	0.00	0.00	-21,340.00	100.00 %
<u>410-36-090-559200</u>	Bond/Note Principal	975,000.00	975,000.00	0.00	0.00	975,000.00	100.00 %
<u>410-36-361-510100</u>	Salaries/Wages-Regular	202,300.00	202,300.00	17,193.37	94,482.84	107,817.16	53.30 %
<u>410-36-361-510300</u>	Salaries/Wages-Overtime	3,750.00	3,750.00	466.01	1,467.28	2,282.72	60.87 %
<u>410-36-361-511100</u>	FICA Taxes	15,670.00	15,670.00	1,264.05	6,907.97	8,762.03	55.92 %
<u>410-36-361-511300</u>	Health Insurance	46,800.00	46,800.00	3,968.70	19,417.57	27,382.43	58.51 %
<u>410-36-361-511400</u>	Dental Insurance	2,720.00	2,720.00	235.62	1,182.09	1,537.91	56.54 %
<u>410-36-361-511600</u>	Life Insurance	370.00	370.00	32.39	162.77	207.23	56.01 %
<u>410-36-361-511700</u>	LAGERS Retirement Plan	12,920.00	12,920.00	1,130.17	6,113.10	6,806.90	52.68 %
<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	26,040.00	52,080.00	66.67 %
<u>410-36-361-520300</u>	Technical Services	10,000.00	10,000.00	996.70	6,801.25	3,198.75	31.99 %
<u>410-36-361-520400</u>	Other Contracted Services	22,565.00	22,565.00	621.54	4,427.74	18,137.26	80.38 %
<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	398.16	1,101.84	73.46 %
<u>410-36-361-521560</u>	Building Repair & Maintenance	1,500.00	1,500.00	0.00	0.00	1,500.00	100.00 %
<u>410-36-361-521620</u>	Equipment Repair & Maintenance	37,700.00	37,700.00	133.17	8,773.08	28,926.92	76.73 %
<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	32.18	160.94	339.06	67.81 %
<u>410-36-361-522200</u>	Property, Liability & Casualty Insura	24,250.00	24,250.00	0.00	5,830.84	18,419.16	75.96 %
<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	2,571.61	5,428.39	67.85 %

Budget Report

For Fiscal: 2018-2019 Period Ending: 02/28/2019

		Original	Current	Period	Fiscal	Variance	Percent
		Total Budget	Total Budget	Activity	Activity	(Unfavorable)	Remaining
<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	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	412.50	2,189.37	2,810.63	56.21 %
<u>410-36-361-530200</u>	Lab Supplies	8,600.00	8,600.00	39.48	68.28	8,531.72	99.21 %
<u>410-36-361-530410</u>	Parts-Vehicle	800.00	800.00	15.83	362.86	437.14	54.64 %
<u>410-36-361-530415</u>	Parts-Equipment	37,000.00	37,000.00	247.66	11,964.29	25,035.71	67.66 %
<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	0.00	100.00	300.00	75.00 %
<u>410-36-361-530800</u>	General Supplies	4,000.00	4,000.00	63.39	354.36	3,645.64	91.14 %
<u>410-36-361-531110</u>	Electricity	175,000.00	175,000.00	11,488.37	48,877.08	126,122.92	72.07 %
<u>410-36-361-531120</u>	Heating Fuel	14,000.00	14,000.00	0.00	8,388.27	5,611.73	40.08 %
<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	1,548.00	6,066.00	10,634.00	63.68 %
<u>410-36-361-534100</u>	Depreciation Expense	900,000.00	900,000.00	0.00	0.00	900,000.00	100.00 %
<u>410-36-361-534200</u>	Small Tools/Equipment/Furnishings	11,425.00	11,425.00	0.00	5,270.44	6,154.56	53.87 %
<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	67,841.37	460,451.33	4,266,458.67	90.26 %
	Fund: 410 - SEWAGE TREATMENT FUND Surplus (Deficit):	-1,666,610.00	-1,666,610.00	161,496.49	679,701.20	2,346,311.20	140.78 %
	Report Surplus (Deficit):	-2,637,375.00	-2,637,375.00	243,578.21	835,363.32	3,472,738.32	131.67 %

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	151,134.15	674,769.97	-832,155.03	55.22 %
Expense	2,477,690.00	2,477,690.00	69,052.43	519,107.85	1,958,582.15	79.05 %
Fund: 400 - WATER FUND Surplus (Deficit):	-970,765.00	-970,765.00	82,081.72	155,662.12	1,126,427.12	116.03 %
Fund: 410 - SEWAGE TREATMENT FUND						
Revenue	3,060,300.00	3,060,300.00	229,337.86	1,140,152.53	-1,920,147.47	62.74 %
Expense	4,726,910.00	4,726,910.00	67,841.37	460,451.33	4,266,458.67	90.26 %
Fund: 410 - SEWAGE TREATMENT FUND Surplus (Deficit):	-1,666,610.00	-1,666,610.00	161,496.49	679,701.20	2,346,311.20	140.78 %
Report Surplus (Deficit):	-2,637,375.00	-2,637,375.00	243,578.21	835,363.32	3,472,738.32	131.67 %

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	82,081.72	155,662.12	1,126,427.12
410 - SEWAGE TREATMENT FUND	-1,666,610.00	-1,666,610.00	161,496.49	679,701.20	2,346,311.20
Report Surplus (Deficit):	-2,637,375.00	-2,637,375.00	243,578.21	835,363.32	3,472,738.32

Memorandum

TO: Darren Lamb, City Administrator
Board of Public Works

FROM: Kevin Quaethem, Water and Wastewater Superintendent

DATE: March 8, 2019

RE: Work Performed by the Water and Wastewater Departments

STATUS OF MAJOR CONTRACTS – FEBRUARY 2019

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

FEBRUARY 2019

Water Pumped February 2019. 49,710,000 1.78 mgd

Wastewater Effluent Flow February 2019. 80,620,000 2.88 mgd

Missouri One Call Locate messages received for locates.....112

Meters Issued as new.5

Meters Issued as replacements.....0

Meters Issued as new for irrigation systems0

Meters Re-reads266

Service Requests/Work Orders Completed February 2019.....22

Sewer Routines26

Delinquent Accounts actually shut off in February 2019.....58

WATER DEPARTMENT FIELD WORK PERFORMED – FEBRUARY 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. Water Break @ W Front & Lafayette 8. Water Break @ 100 Front St. 9. Water Break @ 201 Valley Dr. 10. Water Break @ 1807 E. 5th St. | <ol style="list-style-type: none"> 11. Repair Curb Stop @ 18 Rabbit Trail Dr. 12. Plow Snow – Clean Sidewalks 13. Repair Pipe @ 1061 Clay St. 14. Cleaned Shop and Trucks 15. Moved Barrels of Chlorine to Wells 16. Meter Re-reads |
|---|---|

WASTEWATER DEPARTMENT FIELD WORK PERFORMED – FEBRUARY 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. Melton Sewer Project
8. Televised sewer @ 426 Cheri
9. Televised sewer @ 5th & Stafford
10. Televised sewer @ 401 E. 7th St.
11. Emergency Call out -- M.E. Fricks
12. Televised sewer @ 604 Hancock
13. Televised sewer @ 413 W. 5th St.

ROUTINE FIELD WORK

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

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

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

Public Water System Name Washington Water Dept.				Laboratory Name Franklin County Lab			
Street Address 405 Jefferson Street				7419 Hwy 47 Ste. A Union, MO			
City Washington		Zip Code 63090		Certification Number 00700			
County Franklin		I.D. Number MO6010838					
Date M/D/Y	Collection Point	Sample Type	Location Code	Sample Results		Chlorine Residual	
				Coliform	E-coli	Total	Free
2/6/19	#4 Chamber Dr	R	R-3	A	A	0.33	0.30
2/6/19	200 E 14th	R	R-8	A	A	0.42	0.40
2/6/19	1220 Lakeshore Dr	R	R-1	A	A	0.44	0.42
2/6/19	405 Jefferson St	R	R-4	A	A	0.80	0.81
2/6/19	519 Washington	R	R-12	A	A	0.55	0.57
2/12/19	4 Chamber	R	R-3	A	A	0.46	0.47
2/12/19	200 E 14th	R	R-8	A	A	0.47	0.45
2/12/19	405 Jefferson St	R	R-4	A	A	0.70	0.71
2/12/19	1220 Lakeshore Dr	R	R-1	A	A	0.51	0.57
2/12/19	519 Washington Ave	R	R-12	A	A	0.84	0.80
2/19/19	200 E 14th	R	R-8	A	A	0.34	0.38
2/19/19	1220 Lakeshore Dr	R	R-1	A	A	0.26	0.23
2/19/19	#4 Chamber	R	R-3	A	A	0.42	0.40
2/19/19	515 Washington Ave	R	R-2	A	A	0.30	0.33
2/19/19	405 Jefferson St	R	R-4	A	A	0.24	0.21
				Signed: Kristen Wideman		Date:2/20/2019	
Total Routine Samples: 15				Title: Lab Assistant			
Monitoring Violation <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No							



March 5, 2019

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

Re: Disinfectant Monitoring Log for Month of February 2019

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

Please let us know if you need any additional data.

Sincerely,

Kevin Quaethem
Water/WW Superintendent

KQ/bh

Disinfectant Monitoring

PWS:	The City of Washington - Well # 3							
PWSID:	MO6010838							
County:	Franklin							
Month:	February-19					Chlorine Residual		
Date	Time	Free Cl (mg/l) @ Well	Sampler	Collection Point	Sample Type	Total	Free	Sampler
1	9:50	1.77	RS					
2	8:56	1.77	KD					
3	9:11	1.99	KD					
4	2:24	1.84	BR/CA					
5	1:40	1.23	BR					
6	9:26	1.7	RS	405 Jefferson St	R	0.8	0.81	CA
7	9:40	1.2	CA					
8	9:48	2.02	ST					
9	2:20	1.85	ST					
10	12:43	1.6	ST					
11	10:07	1.77	RS					
12	10:24	2.13	RS	1220 Lakeshore	R	0.51	0.57	CA
13	8:57	1.85	RS					
14	9:15	1.92	RS					
15	8:51	1.22	RS/BR					
16	9:15	1.33	BR					
17	9:14	1.24	BR					
18	9:03	1.17	BR					
19	10:00	1.08	RS	515 Washington	R	0.3	0.33	CA
20	8:24	Well Not Running	BR					
21	9:46	1.58	RS					
22	9:16	1.54	ST					
23	6:51	1.49	GBB					
24	5:29	1.43	GBB					
25	10:05	1.44	RS					
26	9:11	1.28	RS					
27	10:31	1.34	RS					
28	9:30	Well Not Running	RS					
29								
30								
31								

Notes:

Disinfectant Monitoring

PWS:	The City of Washington - Well # 4							
PWSID:	MO6010838							
County:	Franklin							
Month:	February-19					Chlorine Residual		
Date	Time	Free Cl (mg/l) @ Well	Sampler	Sample Point	Sample Type	Total	Free	Sampler
1	8:49	0.62	RS					
2	8:39	Well Not Running	KD					
3	8:50	Well Not Running	KD					
4	2:34	Well Not Running	BR/CA					
5	1:11	Well Not Running	BR					
6	8:49	0.72	RS	519 Washington	R	0.55	0.57	CA
7	9:05	Well Not Running	CA					
8	9:08	Well Not Running	ST					
9	1:50	Well Not Running	ST					
10	12:25	Well Not Running	ST					
11	9:35	0.57	RS					
12	9:53	0.99	RS	519 Washington	R	0.84	0.8	CA
13	8:23	0.5	RS					
14	8:29	1.16	RS					
15	8:19	0.66	RS/BR					
16	8:50	Well Not Running	BR					
17	8:48	Well Not Running	BR					
18	8:38	Well Not Running	BR					
19	10:22	0.83	RS	405 Jefferson St.	R	0.24	0.21	CA
20	8:09	Well Not Running	BR					
21	8:59	0.51	RS					
22	8:46	Well Not Running	ST					
23	6:10	Well Not Running	GBB					
24	5:17	Well Not Running	GBB					
25	9:26	0.68	RS					
26	8:32	1.11	RS					
27	9:35	1.88	RS					
28	9:03	0.64	RS					
29								
30								
31								

Notes:

Disinfectant Monitoring

PWS:	The City of Washington - Well # 5							
PWSID:	MO6010838							
County:	Franklin							
Month:	February-19					Chlorine Residual		
Date	Time	Free Cl (mg/l) @ Well	Sampler	Sample Point	Sample Type	Total	Free	Sampler
1	11:05	Well Not Running	RS					
2	9:25	Well Not Running	KD					
3	10:10	Well Not Running	KD					
4	1:20	Well Not Running	BR/CA					
5	19:55	Well Not Running	BR					
6	10:27	Well Not Running	RS					
7	11:17	Well Not Running	CA					
8	3:10	Well Not Running	ST					
9	1:28	Well Not Running	ST					
10	11:10	Well Not Running	ST					
11	11:16	Well Not Running	RS					
12	11:11	Well Not Running	RS					
13	9:40	Well Not Running	RS					
14	9:05	Well Not Running	RS					
15	10:04	2.08	RS/BR					
16	9:06	Well Not Running	BR					
17	9:04	Well Not Running	BR					
18	8:55	Well Not Running	BR					
19	11:53	Well Not Running	RS					
20	8:17	Well Not Running	BR					
21	9:33	0.59	RS					
22	10:29	1.27	ST					
23	7:20	Well Not Running	GBB					
24	5:41	Well Not Running	GBB					
25	11:20	1.64	RS					
26	10:32	1.17	RS					
27	1:42	Well Not Running	RS					
28	10:28	1.48	RS					
29								
30								
31								

Notes:

Disinfectant Monitoring

PWS:	The City of Washington - Well # 6							
PWSID:	MO6010838							
County:	Franklin							
Month:	February-19					Chlorine Residual		
Date	Time	Free Cl (mg/l) @ Well	Sampler	Sample Point	Sample Type	Total	Free	Sampler
1	3:44	1.74	RS					
2	8:34	Well Not Running	KD					
3	8:45	Well Not Running	KD					
4	2:38	Well Not Running	BR/CA					
5	1:05	Well Not Running	BR					
6	8:42	1.72	RS					
7	9:00	Well Not Running	CA					
8	8:59	Well Not Running	ST					
9	1:43	Well Not Running	ST					
10	12:20	Well Not Running	ST					
11	9:29	1.36	RS					
12	9:49	0.9	RS					
13	8:18	1.15	RS					
14	8:13	1.07	RS					
15	8:14	Well Not Running	RS/BR					
16	6:30	Well Not Running	BR					
17	6:28	1.44	BR					
18	6:28	1.57	BR					
19	8:27	1.4	RS					
20	8:02	1.15	BR					
21	8:52	1.23	RS					
22	8:40	1.4	ST					
23	6:05	1.13	GBB					
24	5:13	1.37	GBB					
25	9:19	1.25	RS					
26	8:24	0.66	RS					
27	9:29	Well Not Running	RS					
28	8:57	0.55	RS					
29								
30								
31								

Notes:

Disinfectant Monitoring

PWS:	The City of Washington - Well # 7							
PWSID:	MO6010838							
County:	Franklin							
Month:	February-19					Chlorine Residual		
Date	Time	Free Cl (mg/l) @ Well	Sampler	Sample Point	Sample Type	Total	Free	Sampler
1	10:13	1.01	RS					
2	9:09	Well Not Running	KD					
3	9:40	Well Not Running	KD					
4	2:20	1.07	BR/CA					
5	1:57	Well Not Running	BR					
6	9:45	2.32	RS					
7	10:06	Well Not Running	CA					
8	10:56	0.8	ST					
9	2:43	Well Not Running	ST					
10	1:06	Well Not Running	ST					
11	10:48	0.61	RS					
12	10:45	2.55	RS					
13	9:21	Well Not Running	RS					
14	9:37	Well Not Running	RS					
15	9:15	0.85	RS/BR					
16	9:57	0.83	BR					
17	10:02	2.72	BR					
18	9:48	0.82	BR					
19	9:39	Well Not Running	RS					
20	8:33	2.2	BR					
21	10:10	0.98	RS					
22	10:09	0.86	ST					
23	7:01	Well Not Running	GBB					
24	6:31	Well Not Running	GBB					
25	10:28	0.66	RS					
26	9:48	Well Not Running	RS					
27	1:07	1.04	RS					
28	10:02	1.14	RS					
29								
30								
31								

Notes:

Disinfectant Monitoring

PWS:	The City of Washington - Well # 8							
PWSID:	MO6010838							
County:	Franklin							
Month:	February-19					Chlorine Residual		
Date	Time	Free Cl (mg/l) @ Well	Sampler	Collection Point	Sample Type	Total	Free	Sampler
1	8:09	0.53	RS					
2	8:29	Well Not Running	KD					
3	8:40	Well Not Running	KD					
4	2:50	Well Not Running	BR/CA					
5	12:38	Well Not Running	BR					
6	8:01	0.58	RS	#4 Chamber Dr.	R	0.33	0.3	CA
7	8:50	Well Not Running	CA					
8	7:58	Well Not Running	ST					
9	1:28	Well Not Running	ST					
10	9:23	Well Not Running	ST					
11	8:44	0.85	RS					
12	8:46	0.86	RS	#4 Chamber Dr.	R	0.46	0.47	CA
13	7:41	0.71	RS					
14	7:25	0.5	RS					
15	7:51	0.74	RS/BR					
16	6:11	Well Not Running	BR					
17	6:07	Well Not Running	BR					
18	6:07	Well Not Running	BR					
19	7:49	0.69	RS	200 E 14th	R	0.34	0.38	CA
20	7:47	0.58	BR					
21	8:01	0.51	RS					
22	8:13	0.75	ST					
23	7:33	0.53	GBB					
24	7:02	0.37	GBB					
25	8:26	0.87	RS					
26	7:52	0.98	RS					
27	8:47	2.09	RS					
28	8:25	0.87	RS					
29								
30								
31								

Notes:

Disinfectant Monitoring

PWS:	The City of Washington - Well # 9 (Well Out of Service)							
PWSID:	MO6010838							
County:	Franklin							
Month:	February-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:	February-19					Chlorine Residual		
Date	Time	Free Cl (mg/l) @ Well	Sampler	Collection Point	Sample Type	Total	Free	Sampler
1	8:25	0.85	RS					
2	8:22	0.89	KD					
3	8:33	0.87	KD					
4	2:45	0.95	BR/CA					
5	12:53	0.96	BR					
6	8:23	0.95	RS	200 E 14th	R	0.42	0.4	CA
7	8:00	0.99	CA					
8	8:21	0.96	ST					
9	1:36	0.89	ST					
10	9:31	0.85	ST					
11	9:09	0.9	RS					
12	9:37	1.04	RS	200 E 14th	R	0.47	0.45	CA
13	7:56	0.88	RS					
14	7:58	0.95	RS					
15	8:02	0.91	RS/BR					
16	6:21	0.79	BR					
17	6:17	0.8	BR					
18	6:17	0.77	BR					
19	8:13	0.88	RS	1220 Lakeshore	R	0.26	0.23	CA
20	7:55	0.9	BR					
21	8:34	0.86	RS					
22	8:25	0.87	ST					
23	7:40	0.81	GBB					
24	7:08	0.73	GBB					
25	9:07	0.86	RS					
26	8:08	0.86	RS					
27	9:07	0.96	RS					
28	8:42	0.95	RS					
29								
30								
31								

Notes:

Disinfectant Monitoring

PWS:	The City of Washington - Well # 11							
PWSID:	MO6010838							
County:	Franklin							
Month:	February-19					Chlorine Residual		
Date	Time	Free Cl (mg/l) @ Well	Sampler	Sample Point	Sample Type	Total	Free	Sampler
1	10:46	0.97	RS					
2	9:19	Well Not Running	KD					
3	10:00	Well Not Running	KD					
4	1:41	Well Not Running	BR/CA					
5	2:22	Well Not Running	BR					
6	10:04	0.5	RS	1220 Lakeshore	R	0.44	0.42	CA
7	10:30	Well Not Running	CA					
8	11:08	Well Not Running	ST					
9	2:58	0.54	ST					
10	1:18	Well Not Running	ST					
11	11:07	0.56	RS					
12	10:53	Well Not Running	RS	405 Jefferson St.	R	0.7	0.71	CA
13	9:32	0.53	RS					
14	9:48	0.53	RS					
15	9:51	Well Not Running	RS/BR					
16	10:13	Well Not Running	BR					
17	10:20	Well Not Running	BR					
18	10:09	2.2	BR					
19	9:06	0.8	RS	4 Chamber Dr	R	0.42	0.4	Ca
20	8:42	Well Not Running	BR					
21	10:21	Well Not Running	RS					
22	10:20	Well Not Running	ST					
23	7:12	0.63	GBB					
24	6:40	0.22	GBB					
25	11:04	0.51	RS					
26	10:22	0.73	RS					
27	1:20	0.66	RS					
28	10:14	0.64	RS					
29								
30								
31								

Notes: