

# The Water Source

SPRING 2023

PUBLIC WATER SUPPLY DISTRICT NO. 3 OF JOHNSON COUNTY

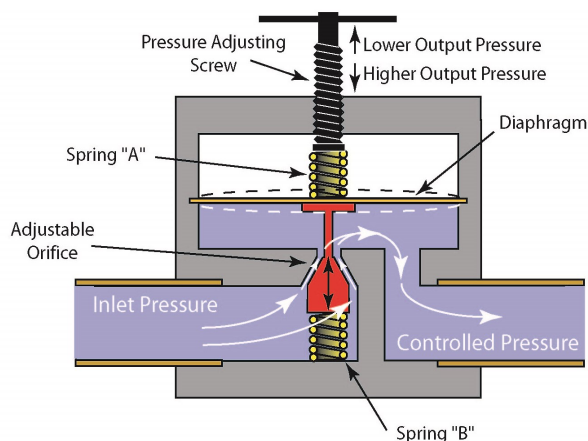
## Two Items Every Home Should Have

Every home should have a pressure regulator and a thermal expansion tank. If your home is not equipped with these items you may consider having them installed. For more information please visit the water quality page at: [pwsd3.com](http://pwsd3.com).

### Pressure Regulator

Public Water Supply District No. 3's water mains are all gravity feed from our water towers. This means, we have no ability to regulate the water pressure at individual locations. A water pressure regulator is a compact, inexpensive device that controls the amount of pressure that is allowed to flow through your water pipes.

Having high water pressure is not only damaging to your water pipes but can also add to the cost of water and energy bills. High water pressure can cause banging water pipes, leaking water pipes, dripping faucets, and excessive dishwasher and clothes washer noise and/or breakdowns. Typically anything above 60 lbs. of pressure is considered to be high. Maintaining a set pressure in the home helps to insure that the home piping and appliances operate under a moderate and safe pressure.



### Thermal Expansion Tank

Thermal expansion occurs in all systems. When the heating element significantly raises the temperature of the water, the volume of the water increases. During no-flow periods in a system, pressure reducing valves, backflow preventers, and other one-way valves prevent the expanded water from returning to the community water supply. Since water is not compressible, the extra volume created by expansion can cause a rapid increase in pressure in the piping. Often the pressure will exceed the setting of the temperature and pressure safety relief valve. This will result in a loss of hot water and shorten the life of the relief valve.

For example, water heated from 70°F to a thermostat setting of 140°F in a 40 gallon hot water heater will expand by almost one-half gallon.



The addition of a hot water heater expansion tank can both resolve and prevent high water pressure. Excessive pressure can seriously compromise the durability, performance and the efficiency of the system. A hot water heater expansion tank is a cost effective solution to thermal expansion and high water pressure.

# Preparing for the Future

## New Well, Pump Station, and Water Tower Rehabilitation Projects

Public Water Supply District No. 3 is looking forward to the future of our District. New homes are popping up everywhere within Johnson County. In 2022 PWSD No. 3 installed 11,585 feet of new water mains. With at least 3 new water main projects already scheduled we are expecting 2023 to be just as busy. To continue supplying quality water to our existing customers and meet the demand for future growth PWSD No. 3 will be drilling a new deep water well and constructing a new pump station. The new well and pump station will be located within the Hickory Hills Subdivision near 2 of our existing wells. This well will be larger than our existing wells and able to produce twice the amount of water. The total estimated budget for this project would be \$3,147,500. We are currently looking at funding options and applying for grants to assist with financing this major project.

In 2019 we built a new 300,000 gallon water tower. With the addition of this tower we are now able to rehabilitate our older 300,000 gallon water tower. This project consists of adding much needed OSHA safety standards. Total estimated budget for this project is \$602,950.

## 2023 Rate Structure

On December 20, 2022 our Board of Directors voted for a water rate increase. The minimum charge of \$20.00 will not be effected. However, there will be a \$1.22 increase for each additional 1,000 gallons. The 2023 rate structure will take effect on February 20, 2023. The usage period will be from February 20, 2023 to March 20, 2023 and reflected on the April billing statement. Our Board of Directors will evaluate our rate structure each year.

Water Rates	0—1,000	2,000	3,000	4,000	5,000	6,000	7,000	8,000	9,000	10,000
CURRENT RATES	\$20.00	\$28.28	\$36.56	\$44.84	\$53.12	\$61.40	\$69.68	\$77.96	\$86.24	\$94.52
INCREASE AMOUNT	\$0.00	\$1.22	\$2.44	\$3.66	\$4.88	\$6.10	\$7.32	\$8.54	\$9.76	\$10.48
NEW RATES	\$20.00	\$29.50	\$39.00	\$48.50	\$58.00	\$67.50	\$77.00	\$86.50	\$96.00	\$105.50

2023 Connection Rates:	1" Short Side	1" Long Side	1" State Hwy Crossing	2" Short Side	2" Long Side	Wastewater
	\$2,000	\$3,000	\$4,000	\$4,200	\$5,200	\$1,300

### Bills are due by the **5th**. Late after the **15th**.

Late charges will not be removed. We accept several forms of payment.

Water meters are read approximately the 20th of each month. Bills are printed and mailed no later than the 1st day of the following month. Bills are due by the **5th** day of the month and considered **late after the 15th** day of the month. Late payments will be charged a \$10.00 late fee.

**NON-RECEIPT OF A PRINTED BILL DOES NOT NEGATE THE LATE CHARGE.**

PWSD No. 3 cannot control receipt of the bill. If you do not receive your printed bill by the 7th please contact our office.

### Payment Methods

- Cash (in office)
- Check (in office, by mail or dropbox)
- Money Order (in office, by mail or dropbox)
- ACH Auto Draft (**FREE**)
- Credit/Debit or eCheck (**processing fees apply**)

# Wastewater Revenue Bond

In 2017, Public Water Supply District No. 3 of Johnson County (PWSD No. 3) constructed a new wastewater treatment facility to replace the out of compliance lagoon system. The new treatment facility was required due to the violation letters we had been receiving from the Missouri Department of Natural Resources (MoDNR). PWSD No. 3 was very fortunate to have received grants from 3 funding agencies totaling \$2,616,000 and obtained a low interest loan from United State Department of Agriculture (USDA) Rural Development for \$1,123,000. Without these funding sources the wastewater treatment plant would not have been possible.

The current treatment plant was designed to meet the flow capacity of our existing customers' needs but we had planned for future plant expansion. We are working with MECO Engineering to design phase II of our wastewater treatment plant. Once again we are hopeful in acquiring grant funds and/or loans from many of the same sources. However, grant/loan funds are not guaranteed and will only fund a percentage of the project. This means PWSD No. 3 will be required to fund the remaining portion.

Public Water Supply District No. 3 of Johnson County has placed a 5 million dollar proposal on the Tuesday, April 4, election ballot. This bond will only affect Hickory Hills and Meadow Creek wastewater customers. Due to the State Charter of PWSD No. 3 and the nature of the bond, the entire district may vote. It is important to know that this bond election will not increase property taxes and will not affect your water rates. Please understand the wastewater rates for customers located within Hickory Hills Subdivision and Meadow Creek Subdivision could potentially increase. The increase would be relative to the amount of funds needed after any grant money has been secured. The more grant funds we receive the less rates will have to increase.

Any additional funds that PWSD No. 3 will need to contribute must be secured in order to be eligible for grants therefore, it is imperative that the bond passes. Issuing revenue bonds is the most affordable way for PWSD No. 3 to fund projects. By pursuing the voted bonds, the District would save 2 – 4% in interest that could equate as much as \$800,000.00 over the term of the loan. The large amount of sewerage revenue bonds that PWSD No. 3 is asking voters to approved does not indicated the cost of the wastewater treatment facility expansion. This 5 million dollar bond approval will give PWSD No. 3 availability for future projects.

**Public Water Supply District No. 3 of Johnson County is asking for your support in the matter. Please remember to vote on April 4, 2023.**



# VOTE



# Routine Quality Control Flushing

Public Water Supply District No. 3 routinely flushes water mains to insure the quality of water. The water entering the distribution mains is high quality; however, water quality can go stagnate over time. Flushing removes sediments and stale water from the mains. Much of our distribution system is designed with loops or interconnected grids, which keeps water constantly flowing. However, some areas have dead-ends where water moves slowly and sits for longer periods of time. These dead-end mains need to be flushed to ensure the presence of fresh water with sufficient dissolved oxygen, disinfectant levels and an acceptable taste and smell. The flushing process may cause discolored water and a reduction in pressure. Both of these conditions are temporary and not harmful. If either of these conditions persist, please contact our office. If you experience discolored water or if your water has a different taste or smell please contact our office and ask to have the water main flushed. Routine quality control flushing typically occurs during the first few months of the year. Please contact our office if you have any questions or concerns.

## PAY YOUR WATER BILL ANYTIME FROM ANYWHERE!



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available  
24/7

(888-573-6667)



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This institution is an  
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EQUAL HOUSING  
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The Water Source

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