

## Temporary Disinfectant Conversion from Chloramine to Free Chlorine

The **City of Frost** public water system, (PWS) ID **1750004**, will temporarily convert the disinfectant used in the distribution system from chloramine to free chlorine. The conversion will begin on **September 15, 2024** and continue through **October 12, 2024**. During this period, you may experience taste and odor changes associated with this type of temporary disinfectant conversion.

Public water systems are required to properly disinfect their water and maintain an adequate disinfectant residual in the distribution system. Chloramine, free chlorine combined with ammonia, is widely used as a disinfectant because it persists for long periods while also limiting the formation of disinfection by-product contaminants. Prolonged use of chloramine coupled with other factors that can affect water quality, such as high temperatures or stagnation of water, may result in the growth and/or persistence of organic matter within the pipes of the distribution system, which may hinder the ability to maintain an adequate disinfectant residual. A temporary conversion to free chlorine, partnered with flushing activities, helps to rid distribution pipes of this organic matter and improve the quality of your water overall.

**City of Frost** has chosen to implement a temporary disinfectant conversion to free chlorine based on the following:

The City of Frost is required to maintain a minimum total chlorine residual of 0.5 mg/l at the far ends of the distribution system. A combination of recent extreme heat of the past few weeks, coupled with low water usage. The city has been flushing lines more frequently and using more water to achieve the required total chlorine residual of 0.5 mg/l than normally would be required. To better manage the flushing of water mains and to improve the chlorine residual lasting longer, the switch to free chlorine is now necessary. \_

Please share this information with all people who drink this water, especially those who may not have received this notice directly (i.e., people in apartments, nursing homes, schools, and businesses). You can do this by posting this notice in a public place or distributing copies by hand or mail.

If you have questions regarding this matter, you may contact  
Cliff NeSmith at (903 875-9657)