

## IMPORTANT INFORMATION ABOUT YOUR DRINKING WATER

**Carthage Water System** recently violated a drinking water standard. Although this incident was not an emergency, as our customers, you have a right to know what happened and what we did (are doing) to correct this situation.

During the **January 1, 2018 through December 31, 2018** compliance period the water system's Locational Running Annual Average at site #205, 327 Riverside Drive North, for Total Trihalomethanes (TTHMs) has been calculated to be **0.081 mg/L**. This value exceeds the Maximum Contaminant Level of **.080 mg/L** set for Total Trihalomethanes.

*Some people who drink water containing trihalomethanes in excess of the MCL over many years may experience problems with their liver, kidneys, or central nervous system, and may have an increased risk of getting cancer.*

EPA standards established for THMs and HAAs are based on long term exposure to these chemicals. Long term exposure is assumed that a person would drink two liters a day every day for seventy years. If standard is consistently violated over 70 years, it has been estimated by the EPA that 1 in 10,000 will have an increased risk of getting cancer.

You do not need to boil your water or take other corrective actions. However, if you have specific health concerns, consult your doctor.

We have implemented a more aggressive flushing program to address the DBP exceedance. An additional flushing hydrant has been installed in the area of concern. This issue has been isolated to a low use area of our system during the hottest part of the year. Our recent quarterly sample results at the compliance point are 0.072 mg/L. This value is well below the standard of 0.080 mg/L. Compliance values are based on a locational running annual average. High levels experienced last summer are still negatively affecting the running annual average. The trend of lower levels indicates compliance with the running annual average will likely be achieved within the next couple monitoring periods. We will continue to monitor DBP results and revise our flushing plan as necessary to maintain compliance with the DBP rule.

**Total trihalomethanes** are disinfection byproducts resulting from our chlorination of the water to minimize risk of microbial life in the drinking water. The EPA considers microbial contaminants as the greatest risk to the public. We are evaluating the results of the required disinfection and will continue making an effort to reduce the disinfection byproducts without increasing the microbial risks.

*Please share this information with all the other people who drink this water, especially those who may not have received this notice directly (for example, 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.*

This notice is being sent to you by the Carthage Water System. PWSID#TN0000095.  
For more information, please contact Teresa Mofield at the Carthage Water Treatment Plant at (615)735-9392.

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