



City of Graham

**Mandatory Language for a Maximum Residual Disinfectant Level (MRDL) Violation –
MRDL, ACUTE CHLORINE DIOXIDE**

You are receiving this notice due to a previously existing issue in your water system. **City of Graham Water Plant** exceeded the Maximum Residual Disinfectant Level (MRDL) for chlorine dioxide, at the treatment facility, during the month of **July, 2016**. The water system failed to collect the required 3-sample set from the distribution system following the exceedance. This health language should have been communicated to you by **City of Graham Water Plant** within 24 hours of the violations and is being provided to you now for your knowledge.

The Texas Commission on Environmental Quality (TCEQ) has notified **City of Graham Water Plant TX 2520001 PWS** that the drinking water being supplied to customers has exceeded the MRDL for chlorine dioxide. The U.S. Environmental Protection Agency (U.S. EPA) has established the MRDL for chlorine dioxide to be 0.8 milligrams per liter (mg/L) based on a daily sample result, and has determined that it is a health concern at levels above the MRDL.

Some infants and young children who drink water containing chlorine dioxide in excess of the MRDL could experience nervous system effects. Similar effects may occur in fetuses of pregnant women who drink water containing chlorine dioxide in excess of the MRDL. Some people may experience anemia.

The chlorine dioxide violations reported may have included exceedances within the distribution system which delivers water to customers. Because we did not monitor, we cannot be sure of the quality of your water in the distribution system during these times. Violations of the chlorine dioxide standard within the distribution system may harm human health based on short-term exposure. Certain groups, including fetuses, infants, and young children may be especially susceptible to nervous system effects from excessive chlorine dioxide exposure.

What has been done to address this issue?

This issue was caused by a clerical error in the report filed with TCEQ (a decimal was placed incorrectly). In the future all reports will be reviewed by two (2) staff members before being submitted to ensure accuracy. While the reported number was outside the regulation, the reported number was entered wrong and had it been correct would not have resulted in a violation. At no time was the water supply to our residents in violation of TCEQ standards.

Please share this information with all other 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 **City of Graham Water Plant** at **940-549-3324**.