

# 2017 Annual Drinking Water Report

## Cooke City PWSID# MT0000187

We are very pleased to provide you with this year's Annual Quality Water Report. We want to keep you informed about the excellent water and services we have delivered to you over the past year. Our goal is and always has been, to provide to you a safe and dependable supply of drinking water. This report shows our water quality and what it means.

Cooke City routinely monitors for constituents in your drinking water according to Federal and State laws. This table shows the results of our monitoring for the period of January 1<sup>st</sup> to December 31<sup>st</sup>, 2017. Our sampling frequency complies with EPA and State drinking water regulations.

In the table below you will find many terms and abbreviations that may not be familiar to you. To help you better understand these terms we've provided the following definitions and information:

- *Maximum Contaminant Level (MCL)* - The highest level of a contaminant that is allowed in drinking water.
- *CFU/100mL* – In microbiology, colony-forming unit (CFU) is a measure of viable bacterial numbers. Unlike direct microscopic counts where all bacteria, dead and living, are counted, CFU measures only viable bacteria.
- *Parts per million (ppm) or milligrams per liter (mg/l)* - one part per million corresponds to one minute in two years or a single penny in \$10,000.
- *Parts per billion (ppb) or micrograms per liter* - one part per billion corresponds to one minute in 2,000 years, or a single penny in \$10,000,000.

All sources of drinking water are subject to potential contamination by constituents that are naturally occurring or man made. The presence of contaminants does not necessarily indicate that the water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline at 1-800-426-4791.

MCL's are set at very stringent levels. To understand the possible health effects described for many regulated constituents, a person would have to drink 2 liters of water every day at the MCL level for a lifetime to have a one-in-a-million chance of having the described health effect.

The Total Coliform Rule requires water systems to meet a stricter limit for coliform bacteria. Coliform bacteria presence in water can be an indication of disease-causing bacteria. When coliform bacteria are found, special follow-up tests are done to determine if harmful bacteria are present in the water supply. If this limit is exceeded, the water supplier must notify the public. To comply with the stricter regulation, we have selected proper sampling sites and have complied with repeat monitoring.

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Test Results						
Contaminant	Violation (Y/N)	Sample Date	Highest Level Detected	Unit Measurement	MCL	Possible Source of Contamination
<b>Microbiological Contaminants</b>						
Total Coliform Bacteria	N	-	0	CFU/100mL	Presence of coliform bacteria in 5% of monthly samples	Naturally present in the environment, sewage leaks, runoff from livestock areas
Fecal ( <i>E. coli</i> )	N	-	0	CFU/100mL		
<b>Inorganic Contaminants</b>						
Nitrate +Nitrite (as Nitrogen)	N	11/28/17	0.106	ppm	10	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits

**Total Coliform** – Coliforms are bacteria that are naturally present in the environment and are used as an indicator that other potentially-harmful bacteria may be present. Coliforms were not found in our drinking water.

**Our system had no violations** in our monitoring for the period of **January 1<sup>st</sup> to December 31<sup>st</sup>, 2017**. Because of this, we can be sure of the quality of our drinking water during this period

Thank you for allowing us to continue providing your family with clean, quality water this year. We at **Cooke City** are committed to ensuring the quality of your water, and work around the clock to provide top quality water to every tap. We ask that all our customers help us protect our water sources, which are the heart of our community, our way of life and our children’s future.

We’re pleased to report that our drinking water is safe and meets federal and state requirements. If you have any questions about this report or concerning your water, please contact **Lucas Jack**. He can be reached at 838-2000.

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