

Muller Mutual Water Company Water Quality Report for 2020

We purchase all our water from TUD; which is now providing their 2020 water quality report ONLY online at:

http://www.tudwater.com/wp-content/uploads/2020/06/TUD_WaterQualityReport_2020.pdf

Alternatively, go to TUD's home page (www.tudwater.com), click About > Documents, Reports and Videos; scroll down to Annual Water Quality Report - 2020.

The data relevant to us is under the "ponderosa" system.

For those who cannot or do not wish to view the report online, call TUD at 532-5536 and request a printed copy.

In addition, we have a commercial laboratory do the following tests:

- a) Every month a sample is taken from the farthest point in our system and tested for total coliform bacteria. These tests have been uniformly negative. Free chlorine remaining in the water is also tested. The presence of free chlorine is important to prevent bacterial contamination.
- b) In 2020 4 quarterly tests were made for "disinfection by-products" at the same point. The running annual average was within acceptable limits, see below.
- c) In 2018 5 homes provided samples of their interior tap water for a lead and copper test. All were negative for lead; the highest copper level was 0.0635 ppm (parts per million); the maximum acceptable is 1.3 ppm.

Explanation of tests done by MMWC:

Total coliform bacteria: this would be a sign of contamination by bacteria naturally present in the environment, possibly including fecal matter. All tests met state standards.

Disinfection byproducts are a result of the chlorine disinfectant reacting with and eliminating organic contaminants, and are considered harmful above certain levels. Two types were tested for: trihalomethanes and haloacetic acids. All tests showed a result below the state's maximum contamination level (MCL).

The lead and copper test measures these metals in the user's home tap water. These metals can leach out of older house plumbing especially if the water supply is corrosive, e.g. acidic. Lead is especially harmful, and was not detected.

For more information call Warren Rauscher at 928-1884.

Tabulated Results:

Detection of Contaminants with Primary Drinking Water Standards

Chemical or Constituent (and reporting units)	Sample Date	Average level detected	Range of Detection	MCL* [MRDL]	PHG* (MCLG) [MRDLG]	Typical Source of Contamination
Free Chlorine Residual (ppm) as CL ₂	2020	0.32	0.18 – 0.61	4	4	Disinfection additive for water treatment
Total Trihalomethanes (ppb)	2020	40.1	28.3-47.3	80	N/A	By-product of drinking water disinfection
Haloacetic Acid (ppb)	2020	23.4	22.6-24.8	60	N/A	By-product of drinking water disinfection

*MCL = Maximum Contaminant Level

PHG = Public Health Goal