

**CITY OF TENINO WATER QUALITY REPORT – 2019
SYSTEM ID #87400 7**

It is time once again for our Annual Consumer Confidence Report to let you, the consumers, know about the quality of our drinking water. Also, to make you aware of any problems that may have occurred and what we have done to correct them. This is also an opportunity for us to let you know about any upcoming requirements or plans to improve the water system.

The City of Tenino still gets its water from two wells just west of the Tenino Middle School. During 2019, we pumped 61,400,108 gallons from these wells, 5,836,762 gallons less than 2018. The water level is monitored at the wells to make sure we have an adequate supply. So far, the supply is adequate; however, we ask that you continue to conserve water usage as much as possible to ensure we maintain our supply throughout the summer. The water is also treated at the wells for bacteriological contamination using chlorine at a rate of 30 parts of chlorine to 1 million parts of water. Treatment also includes corrosion control using calcite contractors, limestone filled tanks, to adjust the Ph of the water to make it less corrosive so it won't release the copper from your plumbing.

During 2019 we were required to collect four (4) bacteria samples each month during the school year and two (2) samples each month the rest of the year. We did not have any bacteria problems during 2018.

In 2010 the water use efficiency rule which requires water systems to maintain their water loss below 10% took effect. We decreased our water loss from 10% in 2017 to 8% in 2018. The City has been looking for leaks in the system and purchased some leak detection equipment in 2015 to aid in finding leaks. If you see a leak please call City Hall so we can get it fixed, or any trucks taking water from our Fire hydrants other than the Fire Department.

As required, we had customers with backflow prevention devices have them tested, which is a yearly requirement. Notices will be sent out for 2020.

We are also working on obtaining more water rights through purchases and annexations to ensure we have enough water to accommodate the future growth in the City of Tenino.

In 2019 we were required to sample for nitrates, lead & copper as well as disinfection byproducts (T.T.H.M. &HAAS)

Water Quality Data

Contaminant	Results	Units	SRL	Trigger	MCL
Nitrate/Nitrogen					
#1 Well	ND	mg/L	0.5	5.0	10
#3 Well	.93	mg/L	0.5	5.0	10
Well Field	.54	mg/L	0.5	5.0	10
Lead – 90th percentile	.0025	mg/L	.001	.015	
				RAL	
Copper – 90th percentile	.25	mg/L	.02	1.3	
				RAL	
T.T.H.M.	N.D.	ug/L		60	80
HAAS	6	ug/L	6	45	60
VOC	N.D.	ug/L	.5		

Terms & Abbreviations:

Maximum Contaminant Level (MCL): The highest level of a contaminant that is allowed in drinking water.

State Reporting Level (SRL): The minimum reporting level required by Department of Health.

Trigger Level (TL): Systems with compounds detected at concentrations higher than this level are required to do follow-up samples and/or treatment.

PPB: Parts per Billion PPM: Parts per Million mg/L: Milligrams per Liter (same as ppm).

N.D.: Not detected.

R.A.L.: Regulatory Action Level

Maximum Contaminant Level Goal (MCLG): The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLG's allow for a margin of safety.

Action Level: The concentration of a contaminant which, if exceeded, triggers treatment or other requirements that a water system must follow.

Treatment Technique: A required process intended to reduce the level of a contaminant in drinking water.

In Washington State, lead in drinking water comes primarily from materials and components used in household plumbing. The more time water has been sitting in pipes, the more dissolved metals it may contain. Elevated levels of lead can cause serious health problems, especially in pregnant women and young children. To help reduce potential exposure to lead: for any drinking water tap that has not been used for 6 hours or more, flush the water through the tap until the water is noticeably colder before using for drinking or cooking.

To ensure that tap water is safe to drink, the Department of Health and EPA prescribe regulations that limit the amount of certain contaminants in water provided by public water systems. The Food and Drug Administration and the Washington Dept. of Agriculture regulations establish limits for contaminants in bottled water that must provide the same protection for public health.

Even though we test our water on a regular basis, you should be aware that there is a small chance that some people who drink water containing low levels of arsenic for many years could develop circulatory disease, cancer, or other health problems. Most types of cancer and circulatory diseases are due to factors other than exposure to arsenic. The EPA's standard balances the current understanding of arsenic's health effects against the costs of removing arsenic from drinking water.

Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of contaminants. 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 (1-800-426-4791).

Some people may be more vulnerable to contaminants to drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. EPA/CDC guidelines on appropriate means to lessen the risk of infections by *Cryptosporidium* and other microbial contaminants are available from the Safe Drinking Water Hotline (1-800-426-4791).

We now have an after hours, emergency number for both water and sewer. Please call 360-264-2370 if you have any problems.

If you have any questions or concerns about our water quality or this report, you may call Troy Cannon at 360-264-2368 or contact the Tenino City Council which meets the 2nd and 4th Tuesday of each month at 7:30 PM in the Council Chambers above City Hall.

Prepared June 23, 2020