

City of Chelan

2017 Annual Drinking Water Quality Report

We're 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. Our water source is surface water from Lake Chelan.

I'm 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 utility, please contact the City Water Department at 409 S. Washington St. or call 509-682-5919. We want our valued customers to be informed about their water utility.

City of Chelan 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 1st to December 31st, 2017.

In this table, you will find many terms and abbreviations you might not be familiar with. To help you better understand these terms we've provided the following definitions:

Non-Detects (ND) - laboratory analysis indicates that the constituent is not present.

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.

Nephelometric Turbidity Unit (NTU) - nephelometric turbidity unit is a measure of the clarity of water. Turbidity in excess of 5 NTU is just noticeable to the average person.

Treatment Technique (TT) - A treatment technique is a required process intended to reduce the level of a contaminant in drinking water.

Maximum Contaminant Level - The "Maximum Allowed" (MCL) is the highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.

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

Contaminant	Violation	Level Detected	Unit Measurement	MCLG	MCL	Likely Source of Contamination
I. Total Coliform Bacteria	N	0	sample	0	presence	Naturally present in the environment
2. Fecal coliform and E. coli	N	0	sample	0	presence	Human and animal fecal waste
3. Turbidity	N	.03	Ntu	10	3.0	Soil runoff
14. Copper	N	<ND	sample	.02	1.3	Next test 2020
17. Lead	N	<ND	sample	.002	.015	Next test 2020
19. Total Nitrate (as Nitrogen)	N	.07	mg/L 2	5	10	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposit
55. Benzene	N	ND	ppb	.5	5	Discharge from factories; leaching from gas storage tanks and landfills
27. Chloroform	N	0.0	ug/L	.5	5	DOH/ higher MCL standard
HAAS	N	15.2	ug/L		60	Disinfection by-products
Total Trihalomethanes	N	17.4	ug/L		80	Disinfection by-products

As you can see by the table, our system had no violations. We're proud that your drinking water meets or exceeds all Federal and State requirements.

All drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some 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 at 1-800-426-4791.

Some people may be more vulnerable to contaminants in drinking water than the general population. Immunocompromised 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 infection by cryptosporidium and other microbiological contaminants are available from the Safe Drinking Water Hotline (800-426-4791).

We at the City of Chelan Water Department work around the clock to provide top quality water to every tap and 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.

Troy A. Brooks Water Treatment Plant Operator.

Lee Reynolds Assistant Water Treatment Plant Operator

Jake Youngren, Public Works Director

Randy Baker, Public Works Operations Manager

If you, or someone you know is on a kidney dialysis machine please call our office at 682-8030.

(Si usted no sabe leer ingles porfavor digale a alguien que le lea este papel para que usted entienda lo que muchas gracias.)

Backflow Prevention

Pursuant to Washington State Department of Health requirements. The City of Chelan shall require all customers receiving potable water from the City of Chelan's water distribution system to comply with all state and local regulations requiring approved backflow assembly devices. In accordance with these regulations to protect the City of Chelan water distribution system, public health and safety. These approved devices shall be installed, maintained, and tested annually by an approved and licensed backflow Assembly Tester at the customer's expense and liability.

The annual test report shall be submitted to the City of Chelan's Cross Connection Control Manager. Information for approved backflow assembly device requirements and approved installation, may be obtained through the City of Chelan Public Works Department, Cross Connection Control Manager.

Cross connection personnel will begin inspecting all service connections for proper backflow assembly installations. Beginning with the high hazard areas first. These sites are marinas and piers, industrial sites, mechanic shops, fire sprinkler systems, medical and dental facilities, pools and spas, restaurant equipment and ice machines, mortuaries, commercial laundries and underground irrigation systems.

To schedule an inspection, please call: 682.5919 or 682.8030

Thank you for your support in keeping our drinking water safe.