



LAKE CHELAN RECLAMATION DISTRICT Department of Health ID# 43783U 2024 Drinking Water Quality Report

We are pleased to present this year's Annual Water Quality Report.

This report is designed to keep you informed about the high-quality water and dependable services we provide. Our ongoing goal is to deliver a safe, reliable supply of drinking water to our community. We also want you to understand the continuous efforts we make to maintain the integrity of our water treatment process and to protect our exceptional water source—Lake Chelan.

This report provides details about the quality of your drinking water and what the results mean.

If you have any questions about the information in this report or concerns about your water quality, please don't hesitate to contact our office at (509) 687-3548. We believe that informed customers are essential to maintaining a strong, transparent relationship with our community. For those interested in learning more, we invite you to attend our regularly scheduled Board meetings, typically held on the second Tuesday of each month at 8:00 a.m. at our main office, located at 80 Wapato Way, Manson. Our current Board members are: **President** Carl "Cappy" Peterson, **Vice President** Chad Steiner, **Directors** Todd Jeffries, Wai Tim Petersen, and Jarred England

To ensure that tap water is safe to drink, the Environmental Protection Agency (EPA) sets strict limits on the amount of certain contaminants allowed in water provided by public water systems.

Our water is held to the same standards that the Food and Drug Administration (FDA) uses to regulate bottled drinking water. It's important to understand that all drinking water—whether bottled or from the tap—may reasonably be expected to contain very small amounts of some contaminants. We're proud to report that our drinking water has never approached the EPA's Maximum Contaminant Level (MCL) for any regulated substance. For more information about contaminants and potential health effects, you can contact the EPA's Safe Drinking Water Hotline at **(800) 426-4791**.

We closely monitor our water quality to ensure safety and compliance with regulatory standards.

Our treatment plant is monitored hourly during operation, and we also test water daily throughout the distribution system. As required by law, we add a small amount of chlorine to the water to ensure effective disinfection throughout the entire system. The maximum allowable level for free chlorine (the form available to disinfect) is **4.0 milligrams per liter (mg/L)**. Our system consistently maintains levels between **0.6 and 0.9 mg/L**, well within the safe range. As part of our routine monitoring, we regularly test for coliform bacteria—a key indicator of water quality. We sample our treated water **weekly**, our source water **monthly**, and we are proud to report that we have had **no violations**. Testing is performed using **certified method SM9223B**.

Each year, we also test for byproducts that can result from the disinfection process. Thanks to the exceptional quality and stability of our source—Lake Chelan—our results remain far below the maximum allowable levels. Additionally, we test for lead and copper every three years, with our next round of testing scheduled for **2025**. Our results have consistently shown **extremely low levels**, in line with our long-standing history of safe water delivery.

Here are our test results:

TEST RESULTS					
CONTAMINATE	VIOLATION Y/N	LEVEL DETECTED	UNIT OF MEASURE		LIKELY SOURCE OF CONTAMINATION
Turbidity (particles in water)	N	.03	NTU (turbidity units)		Soil runoff
Coliform (bacteria)	N	0	parts per millileter		organic matter
Volatile Organic Contaminates	N	0	parts per billion		Bi-product of chlorination
Total Trihalomethanes	N	13.70	parts per billion		Bi-product of chlorination
Halo-acetic acids	N	12.10	parts per billion		Bi-product of chlorination
Nitrates	N	0	parts per millileter		Soil runoff
Lead	N	.005	parts per million	trigger level .015	corrosive water lead piping
Copper	N	.29	parts per million	trigger level 1.3	corrosive water copper piping

The column labeled “MCL” is the maximum contaminate level allowed by the Department of Health. You will notice that the levels we’ve detected in our water fall way below that maximum. Here’s a brief description of each contaminate, how or why it might occur in our water and how we test for it.

Understanding Water Quality Indicators

Turbidity is a measure of water clarity and is used to help determine the level of filtration needed to remove potential contaminants. Lower turbidity generally indicates cleaner water and more effective treatment. Coliform bacteria, which can be harmful, may appear when organic matter is present in the water. Their presence is a key indicator used to assess potential contamination. Volatile organic compounds (VOCs), total trihalomethanes (TTHMs), and haloacetic acids (HAAs) are byproducts formed during the chlorination process. These compounds are monitored to ensure they remain within safe limits. Total Organic Carbon (TOC) is a measure of the amount of organic material present in the water, which can influence the formation of disinfection byproducts. Thanks to the exceptional quality of our source water, we consistently experience extremely low levels of these substances—well below regulatory limits.

Customer Concerns and Water Quality

The most common water quality complaints received by public water systems relate to **taste and odor**. Fortunately, the vast majority of these concerns are **not caused by contamination** and can often be resolved quickly and easily. If you notice any change in the taste, smell, or appearance of your drinking water, please don’t hesitate to contact us. We take every concern seriously and are here to help. At the District, we work around the clock to ensure high-quality drinking water is delivered to every tap. If you have any questions about your water or the processes we use to monitor and maintain its quality, we encourage you to reach out to us.

You are welcome to visit our webpage at www.lcrd.org or call our office at 509-687-3548.