



YOUR WATER IS SAFE TO DRINK

2022 Water Quality Report



In 2022 the City of Kelso maintained water quality compliance and tested for all required substances. Starting with good water quality is only a small part of the picture. The valuable distribution assets (piping, valves, hydrants, reservoirs, pumping, meters and pressure stations) and their ongoing operation and maintenance are just as vital to the community and public health.

The City of Kelso Water Treatment Plant starts with a high quality of water and further treats it. Our goal is to continue producing "optimal filtered water" 100% of the time.

The City of Kelso gets its water from a groundwater well that was constructed in 1978. The well is located on the banks of the Cowlitz River and is determined by the Department of Health to be groundwater under the influence of surface water. This means we must treat our water to the higher surface water standards.

The City of Kelso also supplies water to Beacon Hill Water & Sewer District customers in outlying parts of Kelso and to the Davis Terrace Water Association.

We encourage public interest in our community's decisions affecting drinking water. Your City Council meets the 1st and 3rd Tuesday of each month in Council Chambers located at 203 S. Pacific Ave starting at 6:00 pm. Information about your water and other departments can also be found on the City's website at www.kelso.gov

El informe contiene informacion importante sobre la calidad del agua en su comunidad. Traduzcal o hable con alguien que lo entienda

Tips to Reduce Copper and Lead Level that may Leach from Household Plumbing:

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. The City of Kelso is responsible for providing high quality drinking water but cannot control the variety of materials used in plumbing components. When your water has been sitting several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in drinking water, testing methods and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline (800) 426-4791 or at www.epa.gov/safewater/lead.

30 Kelso residents were sampled in 2020 with great results for lead and copper.

Indoor Water Conservation Tips:

- * Fix leaky plumbing fixtures, faucets and appliances in the house.
- * Run only full loads in the washing machine and dishwasher.
- * Install water saving devices.
- * Turn the water off while shaving and brushing your teeth.

Outdoor Water Conservation Tips:

- * Sweep rather than hose down sidewalks, driveways, and other impervious surfaces.
- * Add organic matter such as compost or peat moss to your soil to improve its ability to retain water.
- * Water prudently, only when necessary, and in the morning or late evening when temperatures are cooler.
- * Mow higher; longer grass holds soil moisture better than a shorter lawn.

Some people may be more vulnerable to contaminants in drinking water:

Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune systems 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 and Centers for Disease Control guidelines on appropriate means to lessen the risk of infection by *Cryptosporidium* are available from the Safe Drinking Water Hotline (800) 426-4791.

The City of Kelso began a monthly cryptosporidium testing program on our untreated water October of 2016 and completed testing October 2018 with the results of 8 oocysts resulting in no additional treatment.

The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs and wells. As water travels over the surface of the land or through the ground it dissolves naturally occurring minerals and radioactive material and can pick up substances resulting from the presence of animals or from human activity. Contaminants that may be present in water sources include microbes, pesticides, herbicides, organic or inorganic chemicals and radioactive materials. To ensure that tap water is safe to drink, EPA (Environmental Protection Agency) and/or the WA State Board of Health prescribes regulations that limits the amount of certain contaminants in water provided by public water systems. The Food and Drug Administration (FDA) and/or the WA State Department of Agriculture regulations establish limits for contaminants in bottled water. 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 water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Safe Drinking Water Hotline (800) 426-4791

Mission Statement: *To Provide Safe, Quality Water Supporting the Health of the Citizens and the Development of the Community.*

Turbidity: is a measure of water clarity and can greatly influence public health on surface water systems. Kelso has received the **Washington State Office of Drinking Water-Treatment Optimization Program, "Platinum Certificate of Achievement"** (2006 through 2022) for voluntarily maintaining higher filtered water turbidity standards combined with no other system violations. *We now have 16 continuous years of optimization!*

SAFE DRINKING WATER HOTLINE (800) 426-5791

The chart below provides representative analytical results of water samples collected from our system over the last 5 years. **We are required to test for many other contaminants but we only list ones that were detected.**

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

Action Level (AL): The concentration of a contaminant which, when exceeded, triggers treatment or other requirements which a water system must follow. For lead and copper, the AL is at the 90th percentile, thus 90% of the samples must be below the AL. **Millions of fibers per liter- MFL**

Bottom line.... the City of Kelso continues to provide safe drinking water to its customers!

If you have questions about water quality or would like further information, please call 360-577-1085 – April 2021

Contaminant	Date	Unit	MCL	MCLG	Detected	Major Sources of these Contaminants	Violation
EPA and State Primary Contaminants							
Nitrate	2022	ppm	10	10	0.17	Runoff from fertilizer use, leaching from septic tanks, sewage, erosion of natural deposits	No
Beta	4/6/22	pCi/l	50	N/A	2.14	Decay of natural and man-made deposits	No
Radium 228	4/6/22	pCi/l	5	N/A	0.78	Erosion of natural deposits	No
Lead/Homes	2020	ppm	AL=.015 At 90%	0	.002 At 90%	Corrosion of household plumbing systems, erosion of natural deposits	No
Copper/Homes	2020	ppm	AL=1.3 At 90%	N/A	.238 At 90%	Corrosion of household plumbing systems, erosion of natural deposits, leaving from wood preservatives	No
Asbestos	2022	MFL	7	7	.171	Decay of asbestos cement mains, erosion, natural deposits	No
EPA and State Secondary Contaminants							
Chlorine	2022	ppm	4	4	.4 to 2.07		No
Fluoride	2021 Ave	ppm	2	Ave	0.73		No
Disinfection Byproducts Monitoring							
TTHMs	2022	ppb	80	Ave	30.05	By-product of drinking water chlorination (sampled in distribution system quarterly)	No
HAA(5)	2022	ppb	60	Ave	12.83	By-product of drinking water chlorination (sampled in distribution system quarterly)	No
TOC average	2022	ppm	N/A	4	0.63	Naturally present in environment	No
Unregulated EPA and State (Kelso participates in UCMRs)							
Unregulated Contaminant	Date Tested	Unit	Min Detect	Max Detected	Average Detected	Major Sources for these Contaminants	Violation
NO TESTING IN 2022							No

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