

Kilchis Water District 2024 Drinking Water Quality Report

Is my water safe?

We are pleased to present this year's Annual Water Quality Report as required by the Safe Drinking Water Act (SDWA). This report offers a snapshot of the water quality in the Kilchis Water District (KWD) water system for the past year from our most recent test results. The KWD sources its drinking water exclusively from groundwater wells adjacent to the Kilchis River, drawing from a naturally protected aquifer that helps filter out many impurities.

We chlorinate water at our treatment station to kill harmful microorganisms and regularly maintain and test residuals throughout the system. Samples for coliform bacteria are tested monthly. Nitrate and disinfection byproducts are tested annually. Lead and copper samples are collected every three years, with the last sampling in 2022 and the next due this year. Our goal is and always has been, to provide a safe and dependable supply of drinking water that meets or exceeds all federal and state requirements. In our last OHA system survey, May 2022, KWD was recognized as an outstanding performer!

Do I need to take special precautions?

Some people may be more vulnerable to contaminants in 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/Centers for Disease Control (CDC) guidelines on appropriate means to lessen the risk of infection by *Cryptosporidium* and other microbial contaminants are available from the Safe Water Drinking Hotline (800-426-4791).

Why are there contaminants in my drinking 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 Environmental Protection Agency's (EPA) Safe Drinking Water Hotline (800-426-4791). 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, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or from human activity: microbial contaminants, such as viruses and bacteria, that may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife; inorganic contaminants, such as salts and metals, which can be naturally occurring or result from urban stormwater runoff, industrial, or domestic wastewater discharges, oil and gas production, mining, or farming; pesticides and herbicides, which may come from a variety of sources such as agriculture, urban stormwater runoff, and residential uses; organic Chemical Contaminants, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and can also come from gas stations, urban stormwater runoff, and septic systems; and radioactive contaminants, which can be naturally occurring or be the result of oil and gas production and mining activities. In order to ensure that tap water is safe to drink, EPA prescribes regulations that limit the amount of certain contaminants in water provided by public water systems. Food and Drug Administration (FDA) regulations establish limits for contaminants in bottled water which must provide the same protection for public health.

Additional Information for Lead

The system inventory does not include lead service lines. To determine that our water system contains no service lines made of lead, galvanized material requiring replacement, or of unknown lead status, KWD conducted a thorough review of available records, infrastructure inventories, and system mapping over the last few years. This included examining construction documents, maintenance logs, and service line installation records. In addition, field inspections and verification during routine maintenance and replacement activities helped confirm the materials used. Based on these comprehensive review methods, KWD has verified that our distribution system does not include any service lines in these categories.

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. KWD is responsible for providing high quality drinking water and removing lead pipes, but cannot control the variety of materials used in plumbing components in your home. You share the responsibility for protecting yourself and your family from the lead in your home plumbing. You can take responsibility by identifying and removing lead materials within your home plumbing and taking steps to reduce your family's risk. Before drinking tap water, flush your pipes for several minutes by running your tap, taking a shower, doing laundry or a load of dishes. You can also use a filter certified by an American National Standards Institute accredited certifier to reduce lead in drinking water. If you are concerned about lead in your water and wish to have your water tested, contact Kilchis Water District (Public Watersystem Id: OR4100080) by calling 503-812-9751 or emailing clde@wagnerwaterworks.com. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available at <http://www.epa.gov/safewater/lead>.

Consumer Confidence

Thank you for trusting us to provide your family with clean, high-quality water this year. To maintain the integrity and reliability of our service, we periodically invest in system upgrades, which may appear as rate adjustments; we appreciate your understanding. If you have questions about this report or your service, please reach out to Bev Prince at 503-842-6444. You are also invited to our monthly board meetings at 6:15 p.m.—please call ahead to confirm the date and location.

Your board members are:

Eric Seaholm	503-812-9269	Kenny Oleman	503-812-6064
George Guyett	503-475-1121	Wayne Tucker	503-812-7229
Greg Gienger	541-218-0455		

Our secretary is:

Beverly Prince 503-842-6444

Our water system operator is:

Clyde Wagner 503-812-9751

Sincerely,

Kilchis Water District Board of Directors

Water Quality Data Table

To ensure that tap water is safe to drink, EPA prescribes regulations which limit the number of contaminants in water provided by public water systems. The table below lists all the drinking water contaminants that we detected during the calendar year of this report. Although many more contaminants were tested, only those substances listed below were found in your water. All sources of drinking water contain some naturally occurring contaminants. At low levels, these substances are generally not harmful in our drinking water. Removing all contaminants would be extremely expensive, and in most cases, would not provide increased protection of public health. A few naturally occurring minerals may actually improve the taste of drinking water and have nutritional value at low levels. Unless otherwise noted, the data presented in this table is from testing done in the calendar year of the report. The EPA or the State requires us to monitor certain contaminants less than once per year because the concentrations of these contaminants do not vary significantly from year to year, or the system is not considered vulnerable to this type of contamination. As such, some of our data, though representative, may be more than one year old. In this table you will find terms and abbreviations that might not be familiar to you. To help you better understand these terms, we have provided the definitions below the table.

Contaminants	MCLG or MRDLG	MCL, TT, or MRDL	Your Water	Range		Sample Date	Violation	Typical Source	
				Low	High				
Inorganic Contaminants									
Arsenic (ppb)	00	10	ND	NA	NA	2022	No	Erosion of natural deposits; Runoff from orchards; Runoff from glass and electronics production wastes	
Nitrate [measured as Nitrogen] (ppm)	10	10	0.510 (BCWS)	NA	NA	2024	No	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits	
Microbiological Contaminants									
Total Coliform (RTCR) (% positive samples/month)	NA	TT	NA	NA	NA	2024	No	Naturally present in the environment	
Contaminants	MCLG	AL	Your Water	Range		# Samples Exceeding AL	Sample Date	Exceeds AL	Typical Source
				Low	High				
Inorganic Contaminants									
Copper - action level at consumer taps (ppm)	1.3	1.3	0.26	0.063	0.327	0	2022	No	Corrosion of household plumbing systems; Erosion of natural deposits
Lead - action level at consumer taps (ppb)	0	15	0.002	0	0.004	0	2022	No	Corrosion of household plumbing systems; Erosion of natural deposits

Other Undetected Contaminants

The following contaminants were monitored for, but not detected, in your water.

Contaminants	MCLG or MRDLG	MCL, TT, or MRDL	Your Water	Violation	Typical Source
Haloacetic Acids (HAA5) (ppb)	NA	60	ND	No	By-product of drinking water chlorination
TTHMs [Total Trihalomethanes] (ppb)	NA	80	ND	No	By-product of drinking water disinfection

Definitions

Unit Descriptions	
Term	Definition
ppm	ppm: parts per million, or milligrams per liter (mg/L)
ppb	ppb: parts per billion, or micrograms per liter (µg/L)
NA	NA: not applicable
ND	ND: Not detected
NR	NR: Monitoring not required, but recommended.

Important Drinking Water Definitions	
Term	Definition
MCLG	MCLG: Maximum Contaminant Level Goal: 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.
MCL	MCL: Maximum Contaminant Level: 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.
TT	TT: Treatment Technique: A required process intended to reduce the level of a contaminant in drinking water.
AL	AL: Action Level: The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.
Variances and Exemptions	Variances and Exemptions: State or EPA permission not to meet an MCL or a treatment technique under certain conditions.
MRDLG	MRDLG: Maximum residual disinfection level goal. The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.
MRDL	MRDL: Maximum residual disinfectant level. The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.
MNR	MNR: Monitored Not Regulated
MPL	MPL: State Assigned Maximum Permissible Level
90th Percentile	Compliance with the lead and copper action levels is based on the 90th percentile lead and copper levels. This means that the concentration of lead and copper must be less than or equal to the action level in at least 90% of the samples collected.