

WEST WENDOVER WATER SYSTEM

Consumer Confidence Report – 2023

Covering Calendar Year – 2022

Spanish (Español)

Este informe contiene informacion muy importante sobre la calidad de su agua de beber. Traduscalo o hable con alguien que lo entienda bien. Par mas informacion llame a Raul Naranjo 775-664-3363

This brochure is a snapshot of the quality of the water that we provided last year. Included are the details about where your water comes from, what it contains, and how it compares to Environmental Protection Agency (EPA) and state standards. We are committed to providing you with information because informed customers are our best allies. It is important that customers be aware of the efforts that are continually being made to improve their water systems. To learn more, please attend any of the regularly scheduled meetings. **For more information, please contact Raul Naranjo at 775-664-3363.**

Your water comes from:

Source Name	Source Water Type
SHAFTER 1 WELL	Ground Water
SHAFTER 2 WELL	Ground Water
SHAFTER 3 WELL	Ground Water
SHAFTER 4 WELL	Ground Water
SHAFTER 5 WELL	Ground Water
SHAFTER 6 WELL	Ground Water
PEQUOP 1 WELL	Ground Water
PEQUOP 2 WELL	Ground Water

We add disinfectant to protect you against microbial contaminants. The Safe Drinking Water Act (SDWA) requires states to develop a Source Water Assessment (SWA) for each public water supply that treats and distributes raw source water in order to identify potential contamination sources. The state has completed an assessment of our source water. For the results of the source water assessment, please contact us.

Message from EPA

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons, such as those 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 healthcare providers. EPA/CDC guidelines on appropriate means to lessen the risk of infection by *Cryptosporidium* and other microbial contaminants are available from the Safe Drinking Water Hotline (800-426-4791).

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 EPA's Safe Drinking Water Hotline (800-426-4791).

The sources of drinking water (both tap water and bottled water) included 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 human activity.

Contaminants that may be present in source water before we treat it include:

Microbial contaminants, such as viruses and bacteria, may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.

Inorganic contaminants, such as salts and metals, 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 may come from a variety of sources such as stormwater run-off, agriculture, and residential users.

Radioactive contaminants can be naturally occurring or the result of mining activity.

Organic contaminants, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, may also come from gas stations, urban stormwater run-off, and septic systems.

In order to ensure that tap water is safe to drink, EPA prescribes regulation that limits the amount of certain contaminants in water provided by public water systems. We treat our water according to EPA's regulations. Food and Drug Administration regulations establish limits for contaminants in bottled water, which must provide the same protections for public health.

Our water system tested a minimum of 7 samples per month in accordance with the Revised Total Coliform Rule for microbiological contaminants. Coliform bacteria are usually harmless, but their presence in water can be an indication of disease-causing bacteria. When

coliform bacteria are found, special follow-up tests are done to determine if harmful bacteria are present in the water supply. If this limit is exceeded, the water supplier must notify the public via newspaper, television, or radio.

“While your supplied water meets the EPA's standard for Lead, *if present at elevated levels* this contaminant 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. Your Water System 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 for 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 your drinking water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure are available from the Safe Drinking Water Hotline or at <http://www.epa.gov/safewater/lead>.”

Water Quality Data

The tables below list all of the drinking water contaminants that were detected during the 2022 calendar year. The was done between January 1- to December 31, 2022. The state requires us to monitor for certain contaminants less than once per year because the concentrations of these contaminants are not expected to vary significantly from year to year. Some of the data, though representative of the water quality, is more than one year old. **The bottom line is that the water that is provided to you is safe.**

Arsenic: The following health effects information is required because our last arsenic test was above half the MCL. Again, the bottom line is that the water that is provided to you is safe to drink.

Arsenic occurs naturally in the environment and as a by-product of some agricultural and industrial activities. It can enter drinking water through the ground or as runoff into surface water sources. Although short-term exposures to high doses (about a thousand times higher than the drinking water standard) cause adverse effects in people, such exposures do not occur from public water supplies in the U.S. that comply with the arsenic MCL. Some people who drink water containing arsenic in excess of EPA’s standard over many years could experience skin damage or problems with their circulatory system and may have an increased risk of getting cancer.

While your water meets the EPA's standard for Lead, *if present at elevated levels* this contaminant 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. Your Water System 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 for 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 your drinking water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure are available from the Safe Drinking Water Hotline or at <http://www.epa.gov/safewater/lead>.

Terms & Abbreviations

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

Maximum Contaminant Level (MCL): 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.

Action Level (AL): the concentration of a contaminant that, if exceeded, triggers treatment or other requirements that a water system must follow.

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

Maximum Residual Disinfectant Level (MRDL): the highest level of disinfectant allowed in drinking water. There is convincing evidence that the addition of a disinfectant is necessary for the control of microbial contaminants.

Maximum Residual Disinfectant Level Goal (MRDLG): 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.

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

Parts per Million (ppm) or milligrams per liter (mg/l)

Parts per Billion (ppb) or micrograms per liter (µg/l)

Picocuries per Liter (pCi/L): picocuries per liter is a measure of the radioactivity in water.

Millirems per Year (mrem/yr): the measure of radiation absorbed by the body.

Million Fibers per Liter (MFL): a million fibers per liter is a measure of the presence of asbestos fibers that are longer than 10 micrometers.

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

Disinfection By-Products	Monitoring Period	RAA	Range	Unit	MCL	MCLG	Typical Source
HAA5	2022	0.41	0.44	µg/L	60	0	By-product of drinking water chlorination
TTHM	2021	.61	0.3	µg/L	80	0	By-product of drinking water chlorination

Lead and Copper	Date	90 TH Percentile		Unit	AL	Sites Over AL	Typical Source
COPPER	2020	0.088	ND - .284	ppm	1.3	0	Corrosion of household plumbing systems; Erosion of natural deposits; Leaching from wood preservatives.
LEAD	2020	.002	ND - .002	ppm	.015	0	Corrosion of household plumbing systems; Erosion of natural deposits; Leaching from wood preservatives.

Regulated Contaminants	Collection Date	Highest Value	Range	Unit	MCL	MCLG	Typical Source
ARSENIC	2022	6	3-6	ppb	10	0	Erosion of natural deposits; runoff from orchards; Runoff from glass and electronics production wastes.
BARIUM	2022	0.15	.08 - .15	mg/L	2	2	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits.
FLUORIDE	2022	0.7	0.1 - 0.7	mg/L	2	4	Natural deposits: Water additive which promotes strong teeth.
NITRATE	2022	1.6	.43 – 1.6	mg/L	10	10	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits.
NITRITE	2022	.01	.01	mg/L	1	1	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits.
THALLIUM	2022	.6	.6	ppb	2	2	Leaching from ore-processing sites; Discharge from electronics, glass, and drug factories.
SELENIUM	2022	2	2	ppb	50	50	Discharge from petroleum and metal refineries; Erosion of natural deposits; Discharge from mines

Radionuclides	Collection Date	Highest Value	Range	Unit	MCL	MCLG	Typical Source
COMBINED RADIUM (-226 & -228)	2022	1.8	0.5 – 1.8	pCi/L	5	0	Erosion of natural deposits
COMBINED URANIUM	2022	2.9	2.5 – 2.9	µg/L	30	0	Erosion of natural deposits
GROSS ALPHA, EXCL. RADON & U	8/15/17	3.5	ND – 3.5	pCi/L	15	0	Erosion of natural deposits
GROSS ALPHA, INCL. RADON & U	8/15/17	12.9	0.5-12.9	pCi/L	15	0	Decay of natural and man-made deposits
GROSS BETA PARTICLE ACTIVITY	2/13/17	7.9	7.9	pCi/L	50	0	Decay of natural and man-made deposits

Secondary Contaminants	Collection Date	Highest Value	Range	Unit	SMCL	MCLG
CHLORIDE	2022	18	9-18	mg/L	400	
MAGNESIUM	2022	12	11 - 12	mg/L	150	
MANGANESE	2022	0.015	.002 - .015	mg/L	0.1	
pH	2022	8.2	8 – 8.2	pH	6.5 - 8.5	
SODIUM	2022	28	21 - 28	mg/L	200	20
SULFATE	2022	31	24 - 31	mg/L	500	
TDS	2022	245	245	mg/L	1000	
COLOR	2022	25	25	C.U.	15	
ODOR	2022	2	2	T.O.N.	3 TON	
IRON	2022	0.75	0.41 – 0.75	mg/L	0.6	
COPPER	2021	.006	.006	mg/L	1.0	

Water System

Shafter 4 well motor started leaking oil for the top bearing seal. It was taken in for repairs and the well was out of service for a couple of months.

Shafter 3 well has been out of service all year; we believe it has broken bearings on the pump shaft. It is scheduled for repair this summer.

Neither of these issues has compromised the quality or quantity of the water coming into town.

For more information contact: Raul Naranjo – City of West Wendover - PO Box 2825 - West Wendover NV 89883
Tel: 775-664-3363