

2025 Water Quality Report

Data collected for 2024 calendar year

Our Promise to You: Quality. Delivered.

Truckee Meadows Water Authority (TMWA) is dedicated to providing reliable service and delivering high-quality drinking water to more than 475,000 residents throughout the Reno-Sparks area. In accordance with the US Environmental Protection Agency (EPA) Consumer Confidence Rule, we are pleased to present TMWA's annual *Water Quality Report* on behalf of our staff and board of directors.

This report, based on data collected in the 2024 calendar year, contains information about the source of your drinking water and how it compares to drinking water standards established by the EPA. We are providing this report electronically; however, if you would like a print copy mailed to you, please call Quality Assurance Officer Maya Hauk-Gliebe at (775) 834-8177 or via email at mhauk-gliebe@tmwa.com.

Information included in this report highlights TMWA's continued recognition among the nation's leaders in water quality—a distinction acknowledged by the Partnership for Safe Water. The Partnership ranks TMWA's Chalk Bluff Water Treatment Plant among the highest-performing plants in the country, particularly for its exceptional individual filter performance. While we deeply appreciate this recognition, it simply underscores what has always been our priority: consistently maintaining and enhancing our infrastructure to ensure the safety of our community and delivering exceptional water quality to you.

For general questions about water quality, please call our Water Quality Department at (775) 834-8118. Additional resources and a complete list of departmental contacts can be found on our website at www.tmwa.com. At TMWA, we understand water is fundamental to our community's quality of life, and we always welcome hearing from you.



John R. Zimmerman, General Manager



A great source combined with a great team makes for a high-quality product.

Lake Tahoe, famous for its clarity and quality, and the Truckee River system are our region's primary sources of drinking water. However, no matter how clear and pure a water source is, it still takes highly skilled and trained scientists, engineers, and operators to supply, treat, and deliver high-quality drinking water to customers 24 hours a day, 7 days a week, 365 days a year. TMWA currently has three surface water treatment facilities. While it varies year-over-year, TMWA typically uses 3 to 9 percent of the total flow of the Truckee River to meet our customers' needs. The Truckee River provides more than 80 percent of TMWA's annual customer demand; the remainder is filled by groundwater located within our service area.

What regulations does TMWA water meet?

TMWA adheres to all federal, state, and local water regulations set forth by the Environmental Protection Agency, State of Nevada Division of Environmental Protection (NDEP), and Northern Nevada Public Health. TMWA is required to monitor and meet regulatory standards for more than one hundred contaminants. All water delivered to customers is treated and must adhere to some of the strictest drinking water regulations in the world.

About TMWA

TMWA is a not-for-profit, community-owned water utility overseen by elected officials from Reno, Sparks, and Washoe County. TMWA employs a highly skilled team that ensures the treatment, delivery, and availability of high-quality drinking water around the clock for more than 475,000 residents of the Truckee Meadows.

Test Results: 2024 Water Quality Data

The table below lists all the primary regulated drinking water contaminants that TMWA detected during the 2024 calendar year of this report. The presence of contaminants in the water does not necessarily indicate that the water poses a health risk. Unless otherwise noted, the data presented in this table are from testing done during the calendar year of the report. The EPA or the NDEP may allow monitoring for certain contaminants less than once per year because the concentrations of these contaminants do not change frequently.

CONTAMINANTS	MCLG OR MRDLG	MCL, TT, OR MRDL	Result	Range Low	Range High	Sample Date	Exceeds MCL	Typical Source	
Disinfectants & Disinfection By-Products (There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants)									
Chlorine (as Cl ₂) (ppm)	4	4	1.08	0.12	1.99	2024	No	Water additive used to control microbes	
Haloacetic Acids (HAA5) (ppb)	NA	60	22	ND	26	2024	No	By-product of drinking water chlorination	
Total Trihalomethanes (TTHMs) (ppb)	NA	80	36	ND	45	2024	No	By-product of drinking water disinfection	
Inorganic Contaminants									
Antimony (ppb)	6	6	2.4	ND	4.9	2024	No	Discharge from petroleum refineries; fire retardants; ceramics; electronics; solder	
Arsenic (ppb)	0	10	6.8	ND	13.9	2024	No	Erosion of natural deposits; runoff from orchards; runoff from glass and electronics production wastes	
Barium (ppm)	2	2	0.164	ND	0.164	2024	No	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits	
Chromium (ppb)	100	100	5.6	ND	5.6	2024	No	Discharge from steel and pulp mills; erosion of natural deposits	
Fluoride (ppm)	4	4	0.21	ND	0.21	2024	No	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories	
Nitrate [measured as Nitrogen] (ppm)	10	10	8.5	ND	8.5	2024	No	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits	
Microbiological Contaminants									
Total Coliform (RTCR)	NA	TT	0	0	0	2024	No	Naturally present in the environment	
Turbidity (NTU)	100% of the samples were below the TT value of 0.3 NTU. A value less than 95% constitutes a TT violation. The highest single measurement was 0.200 NTU. Any measurement in excess of 1 NTU is a violation unless otherwise approved by the state.							Soil runoff	
Radioactive Contaminants									
Alpha Particles (pCi/L)	0	15	11.1	ND	11.1	2024	No	Erosion of natural deposits	
Combined Uranium (ppb)	0	30	9.6	ND	9.6	2024	No	Erosion of natural deposits	
Volatile Organic Contaminants									
1,1-Dichloroethylene (ppb)	7	7	0.61	ND	0.61	2024	No	Discharge from chemical factories	
Tetrachloroethylene (ppb)	0	5	1.8	ND	1.8	2024	No	Discharge from factories and dry cleaners	
Trichloroethylene (ppb)	0	5	1.2	ND	1.2	2024	No	Discharge from metal degreasing sites and other factories	
Lead and Copper									
Copper - action level at consumer taps (ppm)	1.3	1.3	0.134	0	ND	0.312	2022	No	Corrosion of household plumbing systems; erosion of natural deposits
Lead - action level at consumer taps (ppb)	0	15	ND	0	ND	ND	2022	No	Corrosion of household plumbing systems; erosion of natural deposits

Violations

This water system had no violations during the 2024 calendar year.

Additional Monitoring:

TMWA is not required to monitor Lead and Copper annually due to the historically low values found during previous sampling events. The data presented in this report are from the most recent testing done in accordance with EPA regulations.

Lead & Copper Rule Revision (LCRR)

As part of EPA's 2021 Lead and Copper Rule Revisions (LCRR), water systems are required to develop and maintain a Service Line Inventory (SLI). The SLI must include all service lines, both on the public and private side of the water meter. In accordance with the LCRR, TMWA is determined to be a non-lead system. For further information on TMWA's process used to make this determination, please visit <https://tmwa.com/lcr>.

Unregulated Contaminant Monitoring Rule (UCMR5)

As part of an on-going evaluation program, the EPA has required utilities to monitor some additional contaminants/chemicals through the UCMR program. Information collected through the monitoring of these contaminants/chemicals will help to ensure that future decisions on drinking water standards are based on sound science.

CONTAMINANTS	Highest Value Detected	2024 Reported Unit	Range		Typical Source
			Low	High	
Lithium	13.8	ppb	ND	13.8	Naturally present in the environment PFAS are a group of synthetic chemicals used in a wide range of consumer products and industrial applications.
PFBS	0.0042	ppb	ND	0.0042	
PFHxA	0.0061	ppb	ND	0.0061	
PFHxS	0.0041	ppb	ND	0.0041	
PFPeA	0.011	ppb	ND	0.011	

Unit Descriptions and Important Drinking Water Definitions

Term	Definition	Term	Definition
ppm	Parts per million, or milligrams per liter (mg/L)	NA	Not Applicable
ppb	Parts per billion, or micrograms per liter (µg/L)	ND	Not Detected
NTU	Nephelometric Turbidity Units. Turbidity is a measure of the cloudiness of the water. We monitor it because it is a good indicator of the effectiveness of our filtration system.	NR	Monitoring not required, but recommended.
% positive samples/month	Percent of samples taken monthly that were positive		

Term	Definition
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	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	Treatment Technique: A required process intended to reduce the level of a contaminant in drinking water
AL	Action Level: The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.
Variations and Exemptions	State or EPA permission not to meet an MCL or a treatment technique under certain conditions.
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	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.

NOTES:

Tetrachloroethylene (PCE)/Arsenic/TTHMs/HAA5/Antimony: Compliance for these constituents is determined by calculating the running annual average. Sampling is conducted on either a daily or quarterly basis at designated locations. A corresponding quarterly average is determined from these samples, and the running annual average is calculated by using the four most recent quarterly averages. A single sample may show that an individual result is over the MCL but the compliance value remains below it. All water meets all local, state, and federal standards and is safe to drink.

Health Information About Water Quality

Additional Information for Arsenic

While your drinking water meets EPA's standard for arsenic, it does contain low levels of arsenic. EPA's standard balances the current understanding of arsenic's possible health effects against the costs of removing arsenic from drinking water. The EPA continues to research the health effects of low levels of arsenic, which is a mineral known to cause cancer in humans at high concentrations and is linked to other health effects such as skin damage and circulatory problems.

Additional Water Quality Information

Total organic carbon (TOC) has no health effects. However, TOC provides a medium for the formation of disinfection by-products. These by-products include trihalomethanes (THMs) and haloacetic acids (HAAs). Drinking water containing these by-products in excess of the MCL may lead to adverse health effects, liver or kidney problems, nervous system effects, and may increase the risk of getting cancer. Some people who drink water containing HAAs in excess of the MCL over many years may have an increased risk of getting cancer.

Some people who drink water containing antimony well in excess of the MCL over many years, may experience increases in blood cholesterol and decreases in blood sugar. Nitrate concentration in drinking water at levels above 10 ppm poses a health risk for infants younger than six months of age. High nitrate levels in drinking water can cause blue baby syndrome. Nitrate levels may rise quickly for short periods of time because of rainfall or agricultural activity. If you are caring for an infant, you should ask for advice from your health care provider.

Water Treatment Plant Filter Loading Rate

After satisfactory demonstration, TMWA has been granted approval by the State of Nevada Bureau of Safe Drinking Water to operate the Glendale Water Treatment Plant at the accelerated filter loading rate up to 7.5 gallons per minute (gpm)/square foot and the Chalk Bluff Water Treatment Plant at up to 8.5 gpm/square foot under the conditions that while operating at the accelerated filter loading rate, no individual filter at either plant may exceed 0.2 NTU, and the Chalk Bluff combined filter turbidity may not exceed 0.2 NTU.

Treatment process focuses on health

The water delivered to your tap meets all US EPA and State of Nevada drinking water health standards. It undergoes a multistage treatment process and is rigorously tested daily. Some people may be more vulnerable to contaminants in drinking water than the general population. Immunocompromised people—such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly individuals, and infants—can be particularly at risk from infections. These people should seek advice from their health care providers about their drinking water.

The EPA/CDC has guidelines on appropriate means to lessen the risk of infection by *Cryptosporidium* and other microbial contaminants. More information about these and other contaminants and their potential health effects can be obtained by calling the Safe Drinking Water Hotline at (800) 426-4791. TMWA routinely monitors our source water and finished water for *Cryptosporidium*. No *Cryptosporidium* oocysts were detected in the finished water sampled from the Chalk Bluff and Glendale Water Treatment Facilities.

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 the 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) 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 human activity.

Contaminants that may be present in source water include:

- *Microbial contaminants* such as viruses and bacteria, which 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, including 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.
- *Radioactive contaminants*, which can be naturally occurring or the result of oil and gas production or mining activities.

To ensure tap water is safe to drink, the EPA prescribes regulations that limit the amount of certain contaminants in water provided by public water systems. In addition, the Food and Drug Administration (FDA) regulations establish limits for contaminants in bottled water to provide the same protection for public health.

Required Consumer Confidence Report (CCR) statement addressing lead in drinking water

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. TMWA 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 thirty seconds to two minutes before using water for drinking or cooking. If you are concerned about lead in your 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 is available from the EPA's Safe Drinking Water Hotline at (800) 426-4791 or at epa.gov/safewater/lead.

Source Water Assessment and its availability

The Federal Safe Drinking Water Act was amended in 1996 and requires states to develop and implement source water assessment programs to analyze existing and potential threats to the quality of public drinking water. A summary of TMWA's susceptibility to potential sources of contamination

was initially provided by Nevada in 2003. The summary of this source water assessment was first included in the TMWA 2004 Water Quality Report. Information pertaining to the initial findings of the source water assessment is available for viewing in person at the offices of the Bureau of Safe Drinking Water, 901 South Stewart St., Ste. 4001, Carson City, NV 89701. If you do not have on-line access and would like to view in person at the Bureau of Safe Drinking Water, appointments are suggested; please call (775) 687-9521. Office hours are 8 a.m. to 5 p.m., Monday through Friday.

Where can I get water quality data?

TMWA's website has a section dedicated to water quality at tmwa.com/quality, which provides water quality information for different areas of our service territory. We also maintain a neighborhood water quality look-up map at tmwa.com/lookup.

If you have questions or need more information, please email TMWA Water Quality at waterquality@tmwa.com or call (775) 834-8118.

