

MT. VIEW-EDGEWOOD WATER COMPANY

2022 Water Quality Report

This report describes our drinking water sources, quality, and programs that protect the high quality of our water supply. It conforms to the federal regulation requiring water utilities to provide this information to their consumers annually and contains information with specified language and data that must be repeated each year. Safe drinking water is an essential resource for our consumers and is our number one priority.

Since April 7th, 1925, this community has worked together to build a member-owned utility providing quality drinking water in sufficient quantities for fire protection. As a private company, we are governed by our By-laws, which require membership in the company before being allowed to receive water. Each membership represents equal ownership in the assets and liabilities of the company, and equal voting rights for the Board of Directors.

From a small spring water system supporting a handful of homes, over our 98-year history we have grown to a membership of 3,822 with 3,631 service connections. Your water company has grown to more than 60 miles of water mains with 485 fire hydrants, nine wells, four reservoirs, a booster station, office, and shop. Our excellent water comes from a deep aquifer consisting of well-sorted glacial outwash gravels. The quality of the aquifer is such that we do not experience mineral and chemical contaminants typical of many aquifers. Consequently, we preserve the quality of our water as nature intended it: free of all chemicals. The water that we provide rivals any other in taste, purity, and overall quality. Our staff works hard to preserve that quality. We maintain water quality from the aquifer to your service connection through strict development standards, frequent water sampling (above state requirements) at all locations, implementation of a stringent Wellhead Protection Program, flushing and elimination of dead-end mains, prevention of cross-connection hazards, replacement of aging infrastructure, and sanitary maintenance and repair procedures.

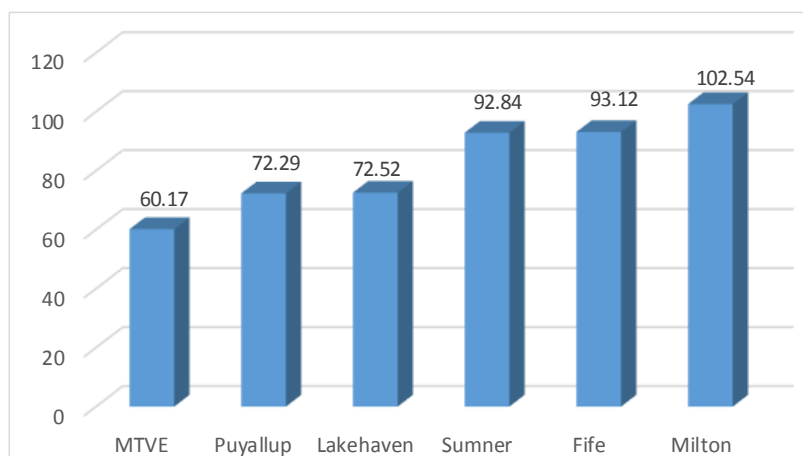
Unlike most service areas, the volume of water contained within our aquifer is abundant and not affected by the amount of snow pack in the mountains. The aquifer is recharged by rainfall and local wetlands. The well levels are monitored daily and show very little change from when they were first drilled.

Our staff of ten employees have a combined 155 years experience in the water industry with almost all their time working at Mt. View-Edgewood Water Company. They are on call 24/7 and always ready to respond to emergencies and customer concerns.

Mt. View-Edgewood Water Company (PWS ID 56820) currently utilizes groundwater from seven wells for its public water supply. In the central area, Wells 6 (S06) and 7 (S07) draw water from a perched aquifer. In the south and southwest areas, Wells 1R (S10), 5 (S05), 8 (S08), and 9 & 11 (S12), draw water from the Redondo-Milton aquifer. Wells 2 and 3 are used for aquifer level monitoring. All wells are in deep aquifers making them less susceptible to contamination. All of our wells are equipped with emergency generators for operation during power outages.

Comparisons of Mt. View-Edgewood Water (MTVE) rates with surrounding utilities: **MTVE's current rates are comparable to our 2012 rates!**

Bi-Monthly Billing Per 1500/CF



Due to the high quality water provided by our groundwater sources, the desire by our members to remain chemical free, and our extraordinary water quality Best Management Practices, we do not treat our water with any chemicals. Water quantity also continues to be excellent, with no future shortages anticipated. In 2022, we pumped 385,509,395 gallons from the aquifer. This is 66% of our total water right of 1,776 Acre Feet.

Our Water System Plan (Comprehensive Plan) was approved in 2017. It includes our comprehensive Wellhead Protection Plan (WHPP). The WHPP identifies our well recharge areas and potential sources of contamination. The WHPP is available for viewing at our office by appointment. Additionally, the Washington State Department of Health, Office of Drinking Water, has compiled source water assessments for all class A, community public water systems in the State of Washington. This data is available online at [Source Water Assessment Program \(SWAP\) Mapping Tool | Washington State Department of Health](#), then:

- Click to open [SWAP Maps \(Interactive GIS Mapping Tool\)](#).
- When the page opens, click on the "Start" button at the bottom of the page.
- When the welcome window opens, press "Go".
- You now have four choices: you may browse the map to find the area of interest, use the water system ID, the water system name, or a known address to find an area.

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, 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 storm water 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 agriculture, urban storm water runoff, and residential uses. Organic chemical contaminants, including synthetic and volatile organic chemicals, are by-products of industrial processes and petroleum production, and can also come from gas stations, urban storm water runoff, and septic systems. Radioactive contaminants 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.

DEFINITIONS FOR THE TABLES ON THE FOLLOWING PAGES:

AL - Action Level - The concentration of a contaminant which, if exceeded, triggers treatment or other requirements that a water system must follow.

MCL - Maximum Contaminant Level - The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLG as feasible using the best available treatment technology.

MCLG - Maximum Contaminant Level Goal - The level of a contaminant in drinking water below which there is no known or expected health risk. MCLGs allow for a margin of safety.

ND - Not Detected - Substance could not be detected by laboratory instruments.

ppm - Part Per Million - One part per million corresponds to one penny in ten thousand dollars.

ppb - Part Per Billion - One part per billion corresponds to one penny in ten million dollars.

SAL - State Action Level - The concentration of a contaminant or group of contaminants, without an MCL, in drinking water established to protect public health and which, if exceeded, triggers actions a water system purveyor must take. SALs are established for contaminants without an MCL, federal action level, or treatment technique.

SDRL - State Detection Reporting Limit - The minimum reportable detection of an analyte as established by the Washington State Department of Health (DOH).

The water quality data presented in the following tables is from the most recent round of testing done in accordance with regulations. 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 is from testing done in the calendar year of the report. The EPA, through the Washington State Office of Drinking Water, requires us to monitor for certain contaminants less than once per year because the concentration of these contaminants do not change frequently. Some of the data, though representative of the water quality, is more than one year old. **Not shown in the table are 19 Inorganic Chemicals, 40 Synthetic Organic Chemicals, and 59 Volatile Organic Chemicals which were tested for and not detected.** The Washington State Department of Health reduced the monitoring requirements for Inorganic Chemicals, Volatile Organic Chemicals, Herbicides, and Pesticides because the sources are not at risk of contamination. **All of our testing resulted in no violations.**

Regulated in Our Distribution System							
Inorganic Contaminants	MCL	MCLG	Highest Level	Range of Detection	Sample Date	Violation	Typical Source of Contamination
Arsenic (ppb)	10	0	0.0014	<0.001 - 0.0014	July 18	No	Erosion of natural deposits.
Nitrate (ppm)	10	10	3.43	<0.02 - 3.43	Jun 21	No	Runoff from fertilizer use; Leaching from septic tanks; Erosion of natural deposits.
Bacteriological Contaminants	MCL	MCLG	# of positive samples	Major Source in Drinking Water			
Total Coliform	2	0	0	Coliforms are bacteria that are naturally present in the environment and are used as an indicator that other, potentially harmful bacteria, may be present.			
Regulated at Your Tap							
Contaminants with Action Levels rather than MCLs	AL	MCLG	90% of Samples at or below	Range of Detection	Sample Date	Exceeds AL	Typical Source
Copper (ppm)	1.3	1.3	0.502	0.02 - 0.71	Jun 21	No	Corrosion of household plumbing systems.
Lead (ppb)	15	0	8.8	0 - 49.0	Jun 21	No	Corrosion of household plumbing systems.

While your drinking water meets the EPA's standard for arsenic, one well contains very low levels of arsenic. Out of our 7 active wells, only Well 6 has a small amount of arsenic. In 2022, Well 6 contributed only 8% of total production. The output of Well 6 always blends with the output of other wells further reducing the level. The 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. Arsenic 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.

Recent news reports have brought lead issues to the attention of water customers. Our water sources are lead-free. Our system complies with all drinking water regulations. Beginning in 2005, our field crew and contractors started installing Premises Isolation Assemblies on every service connection. The work involved excavating the meter plumbing and exposing the customers' service lines. The entire system was completed in 2017. During installation, crews did not encounter lead goosenecks, any lead in the meter plumbing, or any lead pipes in customer service lines. Also, during a search of our record archives, we did not find any lead components ever purchased since our inception in 1925.

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 home plumbing. Mt. View-Edgewood Water Company is responsible for providing high quality drinking water, but cannot control the variety of materials used in home 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 Safe Drinking Water Hotline or at <http://www.epa.gov/safewater/lead>.

The EPA has required us to monitor some additional PFAS contaminants/chemicals as part of an on-going evaluation 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. Additional PFAS monitoring will take place in January and June of 2024.

Per and Polyfluoroalkyl Substances (PFAS)						
Contaminant	SDRL	SAL	Highest Level	Range of Detection	Sample Date	Exceeds SAL
PFOS Perfluorooctanesulfonic Acid (ppb)	0.002	0.015	0.0028	ND - 0.0028	Oct 22	No

PFOS was only detected in our Wells 1R and 8 at just above the limit of detection. These wells are on the same site near the bottom of Meridian Hill. **Not shown are the other 24 PFAS compounds that were not detected here.** These wells contributed 43% of the production in 2022, and this water is blended with water from other wells. Wells 5, 6, 7, 9, and 11, were also tested. **None of the 25 PFAS compounds were detected.**

PFAS are a group of chemicals made by humans. Since the 1950s, PFAS have been used in many consumer products and industrial processes. These chemicals have properties that resist heat, grease, and water. While PFOA and PFOS have been phased out of commercial products, they are still found in the environment from historical usage and some firefighting foams. In addition, products are often made with other PFAS as replacements for PFOA and PFOS. These PFAS can be found in everyday products such as:

- Cleaning products.
- Water-resistant fabrics, like rain jackets, umbrellas and tents.
- Grease-resistant paper.
- Nonstick cookware.
- Personal care products, like shampoo, dental floss, nail polish, and eye makeup.
- Stain-resistant coatings used on carpets, upholstery, and other fabrics.

Water Use Efficiency Rule promotes good stewardship of our water resources and the Water Company is compliant with all facets of this rule. This rule requires water utilities to maintain a 10%, or lower, water loss average over the last three years. Our three year rolling average is 4.43% as a result of our proactive main replacement, meter maintenance, and leak detection program.

Board of Directors meetings are held at 6 pm on the second Wednesday of each month, on or after the 10th of the month. Member comments and involvement are welcome. Comments, concerns, or other issues shall be brought to the attention of the General Manager prior to the first of the month for scheduling purposes. Members are encouraged to participate by running for the Board of Directors. Please call our office at 253-863-7348, or consult our website at www.mtviewwater.com for more information.

Additional questions or comments about the Water Company's water quality, water supply, or other general drinking water issues can be directed to Mike Craig, General Manager, 253-863-7348.