

# *City of Coburg 2021 Annual Drinking Water Quality Report*

We're very pleased to provide you with this year's Annual Water Quality Report. We want to keep you informed about the excellent water and services we have delivered to you over the past year. Our goal is and always has been, to provide to you a safe and dependable supply of drinking water. Our water source is 100% ground water provided by two wells owned and operated by The City of Coburg. The two wells draw from the Older Alluvium and Younger Alluvium. At the well head chlorine is added as a precaution to protect against microbial contaminates.

The city has on file, in the Public Works Office a Source Water Protection Plan that provides more information such as potential sources of contamination. ***You can also find the sampling results and information on your drinking water system at "Oregon Drinking Water DATA Online under the City of Coburg."***

I'm pleased to report that our drinking water is safe and meets federal and state requirements.

The City of Coburg is the owner and operator of the water system. The city has designated Brian Harmon as the Certified System Operator. For information about the water system please contact him at 541 682 7857. The City Council meets on the second Tuesday of every month at Coburg City Office at 7:00 pm. The office is located at 91136 North Willamette Coburg, OR. 97408

Coburg Public Works Department routinely monitors for constituents in your drinking water according to Federal and State laws. This table shows the results of our monitoring for the period of January 1 to December 31, 2021. As water travels over the land or underground, it can pick up substances or contaminants such as microbes, inorganic and organic chemicals, and radioactive substances. All drinking water, including bottled drinking water, may be reasonably expected to contain at least small amounts of some constituents. It's important to remember that the presence of these constituents does not necessarily pose a health risk.

In this table you will find many terms and abbreviations you might not be familiar with. To help you better understand these terms we've provided the following definitions:

***Non-Detects (ND)*** - laboratory analysis indicates that the constituent is not present.

***Parts per million (ppm) or Milligrams per liter (mg/l)*** - one part per million corresponds to one minute in two years or a single penny in \$10,000.

***Action Level (AL)*** – the concentration of a contaminant which, if exceeded, triggers treatment or other requirements which 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 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.

***Maximum Contaminant Level Goal (MCLG)*** - The "Goal" (MCLG) is 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.

***Maximum Residual Disinfectant Level (MRDL)*** – 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.

***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.

***Parts per billion (ppb) or Micrograms per liter*** - one part per billion corresponds to one minute in 2,000 years, or a single penny in \$10,000,000.

## TEST RESULTS

Contaminant	Violation Y/N	level Detected	unit Measured	MCLG	MCL	Likely source of Contamination
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### Microbiological Contaminants

Total Coliform Bacteria 2 monthly	N	Present twice	Absent or Present	0	0	Natural present in the environment
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### Inorganic Contaminants

Nitrate as Nitrogen(well #1)	N	1.59	ppm	10	10	Runoff from fertilizer use; erosion from nature deposits.
Nitrate as Nitrogen(well #2)	N	6.47	ppm	10	10	

### Disinfection Byproducts

TTHM (site 1)	N	.004120	Mg/l		.080	Byproducts of drinking water chlorination
HAA5(site 1)	N	ND	Mg/l		.060	Byproducts of drinking water chlorination

TTHM (site 2)	N	ND	Mg/l		.080	Byproducts of drinking water chlorination
HAA5(site 2)	N	ND	Mg/l		.060	Byproducts of drinking water chlorination

As you can see by the table, our system had no violations. We're proud that your drinking water meets or exceeds all Federal and State requirements. We have learned through our monitoring and testing that some constituents have been detected. The EPA has determined that your water IS SAFE at these levels.

We constantly monitor for various constituents in the water supply to meet all regulatory requirements.

All sources of drinking water are subject to potential contamination by substances that are naturally occurring or man-made. These substances can be microbes, inorganic or organic chemicals and radioactive substances. All 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 Environmental Protection Agency's Safe Drinking Water Hotline at 1-800-426-4791.

**Nitrates:** As a precaution we always notify physicians and health care providers in this area if there is ever a higher than normal level of nitrates in the water supply. Nitrate in drinking water at levels above 10 ppm is a health risk for infants of less 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 advice from your health care provider.

**Lead:** Lead in drinking water is rarely the sole cause of lead poisoning, but it can add to a person's total lead exposure. All potential sources of lead in the household should be identified and removed, replaced or reduced. Infants and children who drink water containing lead in excess of the action level could experience delays in their physical or mental development. Children could show slight deficits in attention span and learning abilities. Adults who drink this water over many years could develop kidney problems or high blood pressure.

Some people may be more vulnerable to contaminants in drinking water than the general population. Immune-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/CDC guidelines on appropriate means to lessen the risk of infection by cryptosporidium and other microbiological contaminants are available from the Safe Drinking Water Hotline (800-426-4791).

**Please call Coburg Public Works if you have questions. 541 -682 -7857**

Coburg Public Works, work hard around the clock to provide top quality water to every tap. We ask that all our customers help us protect our water sources, which are the heart of our community, our way of life and our children's future.