

2020 Annual Drinking Water Quality Report
City of Burns

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, are wells located in five different locations within the City of Burns, each well is approximately three hundred feet deep, with a total pumping capacity of five thousand gallons per minute and storage of two million gallons.

At this time we are providing a clean quality water without continuous chlorinating. We have an ongoing cross connection program to protect the quality of the delivered water from reentering the piping system due to backflow or back siphoning. (i.e. Underground irrigation systems, hot tubs, swimming pools or any other undesirable substance that would affect the quality of our drinking water.)

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

The 1996 Amendments to the Safe Drinking Water Act require that all states conduct Source Water Assessments for public water systems within their boundaries. The assessments consist of (1) identification of the Drinking Water Protection Area, i.e., the area at the surface that is directly above that part of the aquifer that supplies groundwater to our wells, (2) identification of potential sources of pollution within the Drinking Water Protection Area, and (3) determining the susceptibility or relative risk to the well water from those sources. The purpose of the assessment is to provide water systems with the information they need to develop a strategy to protect their drinking water resource if they choose. The respective Drinking Water Programs of the Department of Human Services and Environmental Quality have completed the assessment for our system. A copy of the report is on file at City Hall.

If you have any questions about this report or your water utility, please contact Michael Berry at 541-573-5255 or 541-573-6711 between the hours of 8:am and 5:00pm. Mon. – Fri. We want our valued customers to be informed about their water utility. If you want to learn more, please attend any of our regularly scheduled City of Burns Council Meetings. They are held on the second and fourth Wednesday of the month at 6:00pm.

The City of Burns 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 1st to December 31st 2020. Due to the size of our system we are required to monitor once every three years instead of annually, for regulated contaminants. The results of the data presented are from the most recent sampling in accordance with the regulations. 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:

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.

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.

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

Maximum Contaminant Level - (mandatory language) 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 - (mandatory language) 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.

TEST RESULTS

Contaminant	Violation Y/N	Unit Measurement	MCLG	MCL	Likely Source of Contamination	
Microbiological Contaminants						
1. Total Coliform Bacteria	N		0	1	Naturally present in the environment	
Inorganic Contaminants		Range of level Detected				
		Minimum	Maximum			
2. Arsenic	N	2.6 ppb	3.7 ppb	N/a	10 ppb	Erosion of natural deposits; runoff from orchards; runoff from glass and electronics production wastes
3. Barium	N	0.0131 ppm	0.0147 ppm	2	2 ppm	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
4. Selenium	N	0.00 ppb	.616 ppb	N/a	50 ppb	Discharge from petroleum and metal refineries; Erosion of natural deposits
5. Gross Alpha, EXCL. Radon & U	N		1.400 PCI/L		15.000 PCI/L	Erosion of natural deposits
6. Nickel	N	.00 Mg/l	.00077 Mg/l		0.1	Metal alloys, electroplating, batteries, chemical production
7. Copper	N	0.00378 ppm	0.12 ppm	1.3	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
8. Fluoride	N	0 ppm	0.22 ppm	4	4 ppm	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
9. Lead	N	.151 ppb	4.64 ppb	0	AL=15	Corrosion of household plumbing systems, erosion of natural deposits
10. Sodium	N	16.9 Mg/l	29.4 Mg/l	N/a	N/a	Natural deposit.
11. Nitrate (as Nitrogen) + Nitrite	N	1.34 ppm	1.99 ppm	10	10 ppm	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
12. Uranium	N	.6 ug/l	3.8 ug/l		30 ug/l	Erosion of natural deposits
13. Tetrachlorethylene	N	0.00 ppb	0.51 ppb		5 ppb	Associated with dry cleaning and petroleum byproducts

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.

MCL's are set at very stringent levels. To understand the possible health effects described for many regulated constituents, a person would have to drink 2 liters of water every day at the MCL level for a lifetime to have a one-in-a-million chance of having the described health effect.

Total Coliform: The Total Coliform Rule requires water systems to meet a stricter limit for coliform bacteria. 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 by newspaper, television or radio. To comply with the stricter regulation, we have added chlorine in the distribution system for thirty days and will do this once a year to eliminate bacteria growth in the distribution system.

In our continuing efforts to maintain a safe and dependable water supply it may be necessary to make improvements in your water system. The costs of these improvements may be reflected in the rate structure. Rate adjustments may be necessary in order to address these improvements. 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/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 our office if you have questions. (541)573-5255

We at City of Burns work 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.

*Thank You
Michael Berry
Public Works Dir.
City of Burns*