

# ***Annual Drinking Water Quality Report***

January 2021 - December 2021

CITY OF CODY

WATER SUPPLY

## **Public Information Available**

If you share a meter, manage an apartment complex, or own properties where bills are not sent to the resident, we ask that you share this report with the water customers who are not being billed. The purpose of this report is to inform you about the quality of water and services we deliver to you every day. Our goal is to provide you with a constant supply of safe and dependable drinking water.

**For questions about this report or your water utility, please contact Mr. James Kennan at the City Public Works Shop, (307) 587-2958, or visit with him at the PW Shop between 8:00 am and 3:30 pm.** The PW Shop is located at 120 19<sup>th</sup> Street, Cody, Wyoming. It is important that our customers be informed about their water utility. We encourage you to learn more by attending the regularly scheduled City Council meetings at 7:00 pm on the first and third Tuesday of each month. The City Council acts as the Water Board for the City of Cody. The City obtains its water from the Shoshone Municipal Pipeline Water Treatment Plant. The Shoshone Municipal Pipeline Board meetings are held on the second Monday of each month at 10:00 AM at their Water Treatment Plant.

## **Delivered Water is of Higher Quality than Required Standards**

During 2021, the water supplied to City of Cody residents has met or exceeded the quality requirements set by the Safe Drinking Water Standards. The City of Cody and the Shoshone Municipal Pipeline (SMP) routinely monitor your drinking water for contaminants in accordance with Federal and State laws. Water sampling and monitoring results for the period of January 1<sup>st</sup> to December 31<sup>st</sup>, 2021 may be reviewed at the City of Cody web site [www.codywy.gov](http://www.codywy.gov) and also at the SMP web site [www.shoshonemunicipalpipeline.org](http://www.shoshonemunicipalpipeline.org). 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 (EPA) Safe Drinking Water Hotline (800-426-4791).

## **Water Supply**

The City's water source is the SMP Water Treatment Plant located at the base of Cedar Mountain just west of Cody. The SMP Water Treatment Plant is a state-of-the-art plant using conventional treatment processes of coagulation, flocculation, sedimentation, filtration and disinfection. The water that the SMP Water Treatment Plant treats is from the Buffalo Bill Reservoir. Water from the North Fork and the South Fork of the Shoshone River discharges into the reservoir and travels through the Bureau of Reclamation's Spirit Mountain Energy Dissipation Structure pipe system to the treatment plant. After treatment, the water is delivered to the City of Cody via Shoshone Municipal Pipeline's water transmission main and thence to your faucet through the City of Cody's water distribution system.

Primary sources of drinking water include rivers, lakes, streams, ponds, reservoirs, springs and wells. As water travels over the surface of the land or through the ground, it can dissolve naturally-occurring minerals and, in some cases, radioactive materials. The water can also pick up substances such as: (1) Microbial contaminants, such as viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural operations and wildlife (2) Inorganic contaminants, such as salts and metals, which can be naturally-occurring or result from urban runoff, industrial or domestic wastewater discharges, oil and gas production, mining or farming (3) Pesticides and herbicides, which may come from agricultural, urban storm water runoff, and residential uses (4) Organic chemical contaminants, which can come from industrial processes, gas stations, urban storm water runoff and septic systems (5) Radioactive contaminants, which can be naturally-occurring or the result of oil and gas production and mining activities.

In order to ensure that tap water is safe to drink, EPA establishes regulations which limit the amount of certain contaminants in water provided by public water systems. The Food and Drug Administration establishes limits for contaminants in bottled water which must provide the same protection for public health. 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. We 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 (30) seconds to two (2) 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>.

## **Special Information Available**

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).

## **Maximum Contaminant Levels (MCL's)**

MCL's are set at very stringent levels. A person would have to consume two (2) liters of water every day of his/her lifetime at the MCL level to have a one-in-a-million chance of having the described health effect. The Cody Water Department works around the clock to provide top quality water to every tap. All customers are asked to help protect our water sources, which are the heart of our community, our way of life and our children's future.

**CITY OF CODY - 2021 Treated Water Quality Summary**

Parameter	Unit of Measurement	Range of Detection	Level Detected	MCL	MCLG	Likely Source of Parameter
<b>Microbiological Contaminants</b>						
Total Coliform Bacteria			No positive samples in 2021.	No more than 1 positive sample in a month for systems that collect less than 40 samples per month.	0	Naturally present in the environment.
Turbidity	NTU	0.03 - 0.09	0.09 single highest sample. 100% of samples were below the 0.3 NTU turbidity limit.	MCL = No single sample above 1.0; 95% of samples must be below 0.3 NTU	0	Soil run off
<b>Inorganic Contaminants</b>						
Lead* (Tested in 2019)	ppm	ND - 0.004	90th percentile for the 2019 testing was 0.002 ppm. No sampling sites exceeded the AL.	0.015 AL		Corrosion of household plumbing
Copper * (Tested in 2019)	ppm	0.006 - 0.110	90th percentile for the 2019 testing was 0.071 ppm. No sampling sites exceeded the AL.	1.3 AL		Corrosion of household plumbing
Nitrate	ppm	0.05	0.05	10		Fertilizer
Sodium	ppm	17	17	(no MCL)		
<b>Disinfection By-products</b>						
Total Trihalomethanes*** - 208 Roberts Street	ppb	19.0	19.0	80		By-product of drinking water disinfectant.
Total Haloacetic Acids (HAA5)*** - 208 Roberts Street	ppb	17.0	17.0	60		By-product of drinking water disinfectant.
Total Trihalomethanes*** - 5537 Greybull Hwy	ppb	14.0	14.0	80		By-product of drinking water disinfectant.
Total Haloacetic Acids (HAA5)*** - 5537 Greybull Hwy	ppb	16.0	16.0	60		By-product of drinking water disinfectant.
<b>Radionuclides (All Radionuclides were tested in 2013)</b>						
Uranium	ppb	ND	ND	30		
Gross Alpha	pCi/L	1.3	1.3	15		
Combined Radium	pCi/L	0.7	0.7	5		
<b>Secondary Standards and Unregulated Contaminants</b>						
Chlorine	ppm	0.5 - 1.5	1.31 AVG			
pH	pH	7.65 - 8.45	8.03 AVG	6.5-8.5		
Total Dissolved Solids	ppm	90 - 116	102 AVG	500 mg/L		
Calcium	ppm	36 - 55	41 AVG			
Hardness	ppm	45 - 68	57 AVG			
Total alkalinity as CaCO3	ppm	49 - 71	60 AVG			
Sulfate	ppm	25	25			
Giardia	#/100L	0	0			
Cryptosporidium	#/100L	0	0			

**Definitions:**

**Maximum Contaminant Level (MCL)** - 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 level of a contaminant in drinking water below which there is no known or expected risk to health.

**ppm** - Parts per Million. **ppb** - Parts per Billion.

**mg/L** - Milligrams per Liter. **µg/L** - Micrograms per Liter.

**pCi/L** - Pico Curies per Liter

**Nephelometric Turbidity Units (NTU)** - Measurement of turbidity in drinking water

**MRDLG**= Max Residual Disinfectant Level Goal

**ND** - Not Detected. **AVG** = Average of test results.

**Action Level (AL)** - The concentration of a contaminant that triggers treatment or other requirement that a water system must follow. Action Levels are reported at the 90th percentile for homes at greatest risk.

**Stage II Disinfectant By-Product Rule** - The City of Cody completed samples in 2019 for compliance with the Stage II Disinfectant By-Products Rule and these results are provided within the report.

**SDWA** - Safe Drinking Water Act. **#/100L** = Number of organisms per 100 Liters of water. **N/A** - Not Applicable.

\* Lead and Copper testing was completed in June and July of 2019.

\*\*\*Running Annual Average-the City is currently only required to sample once a year for disinfection by-products.

The Shoshone Municipal Pipeline (SMP) has a web site showing their water sampling results that can be found at [www.shoshonemunicipalpipeline.org](http://www.shoshonemunicipalpipeline.org). Some of the SMP data in the table is more than one year old since certain contaminants are monitored once per year. SMP sampling frequency complies with EPA drinking water regulations.

The City of Cody has a web site where the Consumer Confidence Report (CCR) can be viewed at [www.codywy.gov](http://www.codywy.gov). The City of Cody sampling frequency complies with EPA drinking water regulations.