

# *Clearview Improvement and Service District*



*117 Mountain View Dr.  
PO Box 2634  
Rock Springs, Wyoming 82901  
307-362-1140  
PWS ID # WY5600091C*

## *2020 Consumer Confidence Report*

The Clearview Improvement and Service District is pleased to present this Annual Water Quality Report (Consumer Confidence Report) for calendar year 2019. This report is required by the Safe Drinking Water Act (SDWA).

This report is designed to provide details about where your water comes from, what it contains, and how it compares to standards set by regulatory agencies. This report is a snapshot of last year's water quality. We are committed to providing you with information because informed customers are our best allies.

**Spanish (Espanol):** Este informe contiene informacion muy importante sobre la calidad de su agua beber. Traduscalo o hable con alguien que lo entienda bien.

### **Is my water safe?**

The Clearview Improvement and Service District (CISD) distribution system delivers water to it's customers supplied and processed by the Green River, Rock Springs, Sweetwater County Joint Powers Water Board (JPWB) system. The JPWB and the CISD routinely tests the water for bacteria and other contaminants on a periodic basis as required by local, state, and federal agencies, and as may be needed by operational circumstances. These testing procedures ensure that the water supply is safe for drinking and other culinary uses. However, persons with special needs or health problems may need further testing to ensure that this water meets their special need.

### **Do I need to take special precautions?**

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 or other effects of certain contaminants. These people should seek advice about drinking water from their health care providers. EPA/Centers for Disease Control (CDC) guidelines on appropriate means to lessen the risk of infection by Cryptosporidium and other microbial contaminants are available from the Safe Water Drinking Hotline (800-426-4791).

### **Where does my water come from?**

The CISD distribution system delivers water to it's customers supplied and processed by the Green River, Rock Springs, Sweetwater County Joint Powers Water Board. Water is drawn from the Green River, filtered and treated as required, and delivered to the City of Rock Springs distribution system. The CISD takes delivery of culinary water at a point at the District's north gate on Sweetwater Drive.

### **Source water assessment and its availability**

The source of the District's water is the Green River. You may contact the JPWB at 307-875-4317 concerning the susceptibility of the water source to possible contamination. Be advised that as you recreate and work along the Green River and its tributaries your activities may have an effect on our drinking water supplies and on the cost to treat our water.

### **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 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, that 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 such as 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 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 amounts 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.

### **How can I get involved?**

Information on the CISD system may be obtained from the CISD office or by attending a regular scheduled meeting of the CISD Board of Directors. Meetings are held on the 2nd Thursday of each month at the District office, 117 Mountain View Dr. Contact the office at 307-362-1140 for further information.

Information concerning the Green River, Rock Springs Sweetwater County Joint Powers Water Board and the Consumer Confidence Report published by The JPWB may be obtained by contacting the JPWB at 307-875-4317 or visiting the JPWB office.

### **Water Quality, Monitoring, and Reporting Violations**

The CISD system had no EPA violations for the period January 1 - December 31, 2018.

### **Description of Water Treatment Process**

Your water is treated by filtration and disinfection. Filtration removes particles suspended in the source water. Particles typically include clays and silts, natural organic matter, iron and manganese, and microorganisms. Disinfection involves the addition of chlorine or other disinfectants to kill bacteria and other microorganisms (viruses, cysts, etc.) that may be in the water. Disinfection is considered to be one of the major public health advances of the 20th century.

### **Water Conservation Tips**

Did you know that the average U.S. household uses approximately 400 gallons of water per day or 100 gallons per person per day? Luckily, there are many low-cost and no-cost ways to conserve water. Small changes can make a big difference - try one today and soon it will become second nature.

- Take short showers - a 5-minute shower uses 4 to 5 gallons of water compared to up to 50 gallons for a bath.
- Shut off water while brushing your teeth, washing your hair and shaving and save up to 500 gallons a month.
- Use a water-efficient showerhead. They're inexpensive, easy to install, and can save you up to 750 gallons a month.
- Run your clothes washer and dishwasher only when they are full. You can save up to 1,000 gallons a month.
- Water plants only when necessary.
- Fix leaky toilets and faucets. Faucet washers are inexpensive and take only a few minutes to replace. To check your toilet for a leak, place a few drops of food coloring in the tank and wait. If it seeps into the toilet bowl without flushing, you have a leak. Fixing it or replacing it with a new, more efficient model can save up to 1,000 gallons a month.
- Adjust sprinklers so only your lawn is watered. Apply water only as fast as the soil can absorb it and during the cooler parts of the day to reduce evaporation.
- Teach your kids about water conservation to ensure a future generation that uses water wisely. Make it a family effort to reduce next month's water bill!
- Visit [www.epa.gov/watersense](http://www.epa.gov/watersense) for more information.

### **Cross Connection Control Survey**

The purpose of this survey is to determine whether a cross-connection may exist at your home or business. A cross connection is an unprotected or improper connection to a public water distribution system that may cause contamination or pollution to enter the system. We are responsible for enforcing cross-connection control regulations and insuring that no contaminants can, under any flow conditions, enter the distribution system. If you have any of the devices listed below please contact us so that we can discuss the issue, and if needed, survey your connection and assist you in isolating it if that is necessary.

- Boiler/ Radiant heater (water heaters not included)
- Underground lawn sprinkler system
- Pool or hot tub (whirlpool tubs not included)
- Additional source(s) of water on the property
- Decorative pond
- Watering trough

### **Source Water Protection Tips**

Protection of drinking water is everyone's responsibility. You can help protect your community's drinking water source in several ways:

- Eliminate excess use of lawn and garden fertilizers and pesticides - they contain hazardous chemicals that can reach your drinking water source;
- Pick up after your pets;
- If you have your own septic system, properly maintain your system to reduce leaching to water sources or consider connecting to a public water system;
- Dispose of chemicals properly. Take used motor oil to a recycling center;
- Volunteer in your community. Find a watershed or wellhead protection organization in your community and volunteer to help. If there are no active groups, consider starting one. Use EPA's Adopt Your Watershed to locate groups in your community, or visit the Watershed Information Network's How to Start a Watershed Team;
- Organize a storm drain stenciling project with your local government or water supplier. Stencil a message next to the street drain reminding people "Dump No Waste - Drains to River" or "Protect Your Water." Produce and distribute a flyer for households to remind residents that storm drains dump directly into your local water body;
- **Additional Contaminant Information**
- Turbidity: Discoloration or lack of water clarity caused by sediment in the raw water supply. Turbidity was not in excess of EPA requirements.

- The JPWB also tests for other contaminants either required or on a voluntary basis. No contaminant tests exceeded the allowable level as set forth by regulatory agencies. A copy of the JPWB CCR may be obtained by contacting that agency as indicated above.

**Additional Information for Lead**

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. Clearview Improvement and Service District 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 30 seconds to 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>.

CISD tested ten selected residences for the presence of lead and/or copper in 2019. No significant levels of either were found.

**Water Quality Data Table**

In order to ensure that tap water is safe to drink, EPA prescribes regulations which limit the amounts of contaminants allowed in water provided by public water systems. The table **presented below** lists all of the drinking water contaminants detected by either the CISD or the JPWB. Although many more contaminants were tested, only those substances listed below were found in your water. The EPA or the State requires us to monitor for certain contaminants less than once per year because the concentrations of these contaminants do not vary significantly from year to year, or the system is not considered vulnerable to this type of contamination. As such, some of our data, though representative, may be more than one year old. All sources of drinking water contain some naturally occurring contaminants. At low levels, these substances are generally not harmful in our drinking water. Removing all contaminants would be extremely expensive, and in most cases, would not provide increased protection of public health. A few naturally occurring minerals may actually improve the taste of drinking water and have nutritional value at low levels. In this table you will find terms and abbreviations that might not be familiar to you. To help you better understand these terms, we have provided the definitions below the table.

Contaminant	Violation Y/N	Level Detected	Unit of measure	MCL G	MCL	Likely Source of Contamination
Turbidity	N	.10 100%	NTU	n/a	TT	Soil runoff
Nitrate as N	N	.1	ppm	10	10	Runoff from fertilizer use; leaching from septic tanks; sewage; erosion of natural deposits
Acrylamide	N	0.000225	ppm	0	TT	Added to water during the treatment process.
Fluoride	N	0.2	ppm	4	4	Erosion of natural deposits; discharge from fertilizer and aluminum factories water additive which promotes strong teeth;
Total Organic Carbons (TOC) Actual % removed	N	Highest 3.8 mg/L Lowest 2.5 mg/l Avg. 38.13%		n/a	n/a	Trees, grass, animals and other carbon base life forms found in and around the water source.

Haloacetic acids (HAA-5s)	N	18	ppb	n/a	60 Ann. Avg.	Byproduct of drinking water disinfection
Total Trihalomethanes (TTHMs)	N	22	ppb	n/a	80 Ann. Avg.	Byproduct of drinking water disinfection
Lead – 90 <sup>th</sup> percentile, Based on 10 samples (9 <sup>th</sup> highest value) Collected between June thru Aug. 2019	N	2	ppb	n/a	AL= 15 ppb	Corrosion of household plumbing systems, erosion of natural deposits. This sample was taken from a private residence on the system.
Copper – 90 <sup>th</sup> percentile, Based on 10 samples (9 <sup>th</sup> highest value) Collected between June thru Aug. 2019	N	0.3	ppm	1.3 ppm	AL= 1.30 ppm	Corrosion of household plumbing systems, erosion of natural deposits. This sample was taken from a private residence on the system.
Radionuclides				n/a		.
Gross Alpha 1/2019	N	3.4	pCi/L		15	Erosion of natural deposits
Gross Beta 1/2017	N	0.7	pCi/L		50	Erosion of natural deposits
Radium 228 1/2019	N	1.1	pCi/L		5	Erosion of natural deposits
Uranium 1/2012	N	2.5	ppb		30	Naturally present in the environment

#### Unit Descriptions

Term	Definition
ppm	ppm: parts per million, or milligrams per liter (mg/L)
ppb	ppb: parts per billion, or micrograms per liter (µg/L)
NA	NA: not applicable
ND	ND: Not detected
NR	NR: Monitoring not required, but recommended.

#### Important Drinking Water Definitions

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.
Variances 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.

<b>Important Drinking Water Definitions</b>	
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.
MNR	Monitored Not Regulated
MPL	State Assigned Maximum Permissible Level

**Please Remember:** Assistance is no farther away than your telephone. While the district office is only staffed part time district staff is available by phone. Staff telephone numbers are, posted on the office door.

**For more information please contact:**

Lee Splett, Water Operator  
PO Box 2634; 117 Mountain View Drive  
Rock Springs, WY 82902  
Phone: 307-362-1140; Cell: 307-389-2317