

EAGLE RIDGE ESTATES CWSD

2019 Water Quality Report

PWS #04475

In a continuing effort to keep our customers informed about the quality of water and services we provide you each day, we're pleased to provide you with our Annual Water Quality Report. Our goal is to provide you with a safe, dependable supply of drinking water, and we remain committed to ensuring the continuing quality of your water.

In 2019 we completed most of the landslide repairs on the district property. All that is left for total completion is some small aesthetic concerns. We had the benefit of working with the adjacent landowner to help mitigate storm water washing out our repairs. This was also a benefit for our neighbor. Since the new meters were installed in 2016 & 2017 they have continued to perform flawlessly and gave us the major benefit of being able to be read from the office. Out of the 39 of the homeowners who are signed up on the website to review their own meters, 32 have used it to date.

Our water source is from 4 wells located within the subdivision. They range in depth from 210 – 660 feet deep. Each of the wells has certain water qualities and volumes available. We routinely mix the well water together to supply the right quality and volume. We currently have 45 active service connections.

We want you to be informed about the water system. You are welcome to attend any of the district's public meetings, normally held on the first Tuesday of each month. Please, contact a district board member to obtain the correct time and location of our meetings. From time to time they have to change prescheduled meetings to adjust for scheduling conflicts.

Our drinking water is safe and meets federal and state requirements. Kevin Severe is our certified operator. He attends periodic training sessions to meet continuing education requirements. In 2019 Kevin attended a class about leak detection and water loss. If you have any questions about this report or concerning your water system, please contact Kevin at (406) 844-2000 or 250-0805.

A Source Water Delineation and Assessment Report was completed in 2003; it is available for review by contacting Kevin. The report provides more information about potential sources of contamination and the vulnerability of our wells.

Eagle Ridge CWSD routinely monitors for constituents in your drinking water according to Federal and State laws. In keeping with our monitoring schedule established by EPA regulations, the following tests were conducted during the year.

- 26 Total Coliform bacteria tests – None of the follow up tests created a violation.
- 1 Total Nitrate plus Nitrite test – Results were within EPA guidelines.
- 5 set of tests for Lead & Copper – Results were within EPA guidelines.

We have applied for and received an Asbestos Waiver, which is valid through 2019. We have no asbestos pipe in our distribution system. We will need to sample for Asbestos sometime between 2020 – 2023.

We're proud that your drinking water meets or exceeds all Federal and State requirements. We routinely monitor for various constituents in the water supply to meet all regulatory requirements. Some of the data in the table is more than a year old, since certain chemical contaminants are monitored less than once a year. Our sampling frequency is in compliance with EPA and State drinking water regulations. As you can see by the following table on the next page our system had no water quality violations.

Regulated Contaminates

CONSTITUENT	VIOLATION Y/N	SAMPLE DATE	HIGHEST LEVEL DETECTED	UNIT MEASUREMENT	MCLG	MCL	LIKELY SOURCE OF CONTAMINATION
Total Coliform	N	1-1-2019 thru 12-31-19	2	Number of samples positive with coliform	0	Presence of coliform in <5% of monthly samples	Naturally present in the environment
Gross Alpha	N	4-26-17	Adjusted to 1.9	pCi/l	0	15	Naturally present in the environment
Radium 226 & 228	N	10-23-18	1.4	pCi/l	0	5	Naturally present in the environment
Nitrate + Nitrite	N	2-22-19	0.38	ppm	10	10	Naturally occurring at this level
Arsenic	N	10-4-17	0.006	ppm	0	0.010	Naturally occurring at this level
Barium	N	10-4-17	0.13	ppm	0	2.0	Naturally occurring at this level
Fluoride	N	10-4-17	1.33	ppm	4	4.0	Erosion of natural deposits; water additive which promotes strong teeth
Lead	N	09-11-19	0.004	ppm	0	AL=0.015	Corrosion of household plumbing / naturally occurring
Copper	N	09-11-19	0.13	ppm	0	AL=1.3	Corrosion of household plumbing / naturally occurring
Total Hardness	N	11-19-10	5	grains		Not regulated	Naturally present in aquifer

DEFINITIONS: Maximum Contaminant Level - 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 - 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.
Parts per million (ppm) - one part per million corresponds to one minute in two years or a single penny in $10,000.
Parts per billion (ppb) - 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.
Pico Curies per liter (pCi/l) – a very small unit of measurement of radioactivity.

We had no violations in 2019. To understand the possible health effects of exceeding the MCL, a person would have to drink 2 liters of water every day at the MCL for a lifetime to have a one in a million chance of having any adverse health effects. Although 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.

All sources of drinking water are subject to potential contamination by constituents that are naturally occurring or man made. Those constituents can be microbes, organic or inorganic chemicals, or radioactive materials. All drinking water, including bottled water, may reasonably be expected to contain small amounts of 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.

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.

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. EAGLE RIDGE 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.

While our drinking water meets EPA's standard for arsenic, it does contain low levels of arsenic. EPA's standard balances the current understanding of arsenic's possible health effects against the costs of removing arsenic from drinking water. EPA continues to research the health effects of low levels of arsenic, which 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.

Prepared by: Water Systems Operator LLC 4/20