

2018
Annual Drinking Water Quality Report
Delaware Co RWD # 10
OK6002158

We're very pleased to provide you with this year's Annual Quality Water 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 ground water drawn from Roubidoux aquifer. An analysis of contamination susceptibility of our source water has been done. The analysis showed that our water's susceptibility to contamination is LOW. For additional information about source water protection, please contact our office.

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

If you have any questions about this report or concerning your water utility, please contact **Duane Bryant 918-676-3662**. 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 meetings. They are held on 2nd Wednesday of the month at 8:00am.

Delaware Co RWD # 10 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, 2017. (Some of our data may be more than one year old because the state allows us to monitor for some constituents less often than once per year.) 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.

WATER QUALITY DATA TABLE

The table below lists all of the drinking water contaminants we detected for the calendar year of this report. The presence of contaminants in the water does not necessarily indicate that the water poses a health risk. Unless otherwise noted, the data presented in this table is from testing done in the calendar year of the report.

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)

Parts per billion (ppb) or Micrograms per liter (ug/l)

Parts per trillion (ppt) or Nanograms per liter (nanograms/l)

Parts per quadrillion (ppq) or Picograms per liter (picograms/l)

Picocuries per liter (pCi/L) - picocuries per liter is a measure of the radioactivity in water.

Millirems per year (mrem/yr) - measure of radiation absorbed by the body.

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 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 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	Highest Level Detected	Range Detected	MCL	MCLG	Likely Source of Contamination
Disinfectants and Disinfection By-Products						
Chlorine 2017	N	2	1- 2	MRDLG= 4	MRDL= 4	Water additive used to control microbes.
Total Trihalomethanes 2017	N	11	10.5-10.5	No goal for the total	80	By-product of drinking water disinfection
Radiochemical Contaminants						
Combined radium 226/228 (pCi/L) 2017	N	2.46	2.46-2.46	5	0	Erosion of natural deposits
Beta/ photon emitters 2017	N	6.59	6.59-6.59	4	0	Decay of natural and man- made deposits
Gross alpha excluding radon and Uranium 2017	N	7.03	7.03-7.03	15	0	Erosion of natural deposits
		5				
Inorganic Contaminants						
Barium (ppb) 2017	N	0.094	0.094-0.094	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
Fluoride (ppm)2017	N	1.05	1.05-1.05	4	4	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
Lead and Copper						
Lead and Copper	Violation	Action Level	90 th Percentile	# Site over All	MCLG	
Copper 2015	N	1.3	0.08404	0	1.3	Erosion of natural deposits; Leaching from wood preservatives; Corrosion of household plumbing systems
Violation Table	Violation Begins	Violation ends				Violation Explanation
CCR Report	7/01/2012	3/16/2018				We failed to provide to you, our drinking water customers, an annual report that informs you about the quality of our drinking water and characterizes the risk from exposure to contaminants detected in our drinking water

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Chlorine Some people who use water containing chlorine well in excess of the MDRL could experience irritating effects to their eyes and nose. Some people who drink water in excess of the MDRL could experience stomach discomfort.	10/01/2017	12/31/2017				We are required to monitor for specific contaminants on a regular basis. Results of regular monitoring are an indicator of whether or not your drinking water meets health standards. During the following monitoring periods, we did not complete all monitoring or testing for the following contaminants, and therefore cannot be sure of the quality of your drinking water.
Chlorine Sample Site DS001	12/1/2017	12/31/2017				We are required to monitor for specific contaminants on a regular basis. Results of regular monitoring are an indicator of whether or not your drinking water meets health standards. During the following monitoring periods, we did not complete all monitoring or testing for the following contaminants, and therefore cannot be sure of the quality of your drinking water.

What does this mean?

As you can see by the table, our system had violations, to remedy this we will be sending out reports every year from now on. WE also had violations concerning our sampling to remedy this we have change back to the ODEQ testing lab and notification for sampling. We are proud that your drinking water 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.

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.

Contaminants that may be present in source water before we treat it include:

**Microbial contaminants*, such as viruses and bacteria, which 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 storm water 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 and residential uses.

**Radioactive contaminants*, which are naturally occurring.

**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 storm water runoff, and septic systems.

In order to ensure that tap water is safe to drink, EPA prescribes regulations which limit the amount of certain contaminants in water provided by public water systems. FDA regulations establish limits for contaminants in bottled water which must provide the same protection for public health.

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 EPA's Safe Drinking Water Hotline (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 (800-426-4791).

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.

Thank you for allowing us to continue providing your family with clean, quality water this year. In order to maintain a safe and dependable water supply we sometimes need to make improvements that will benefit all of our customers. These improvements are sometimes reflected as rate structure adjustments. Thank you for understanding.

Please call our office if you have questions.

We at Delaware Co **RWD # 10** work around the clock to provide top quality water to every tap, said Duane Bryant 918-676-3662..

Our water system violated a drinking water standard over the past year. Even though this was not an emergency, as our customers, you have a right to know what happened and what we did to correct this situation.

This notice is being sent to you by Delaware Co RWD # 10, PWSID No: OK6002158

For further information contact:

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Signed: _____

