

**2018 Annual Drinking Water Quality Report**  
**Consumer Confidence Report for January to December 2017**  
**Rural Water District #3**  
**Rogers County**

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 is surface water drawn from Oologah Lake.

This report is being provided to show that our drinking water IS SAFE and meets Federal and State requirements. We had **FOUR VIOLATIONS** of reporting requirements that were corrected immediately upon notification. As you read through the report you will see that we had **THREE VIOLATIONS** of exceeding the Locational Running Annual Average (LRAA) Maximum Contaminant Level for Total Trihalomethanes (TTHM). We are currently in planning stages to modify our treatment methods to prevent exceeding the LRAA in the future.

Rural Water District #3, Rogers Co., routinely samples, tests and monitors your drinking water according to Federal and State laws. The table shows the results of our monitoring for the period of January 1<sup>st</sup> to December 31<sup>st</sup>, 2017. (Some of our data may be more than one year old because the state allows us to monitor for some contaminants less often than once per year

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).

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.

We have a Source Water Assessment and Protection (SWAP) report from the Oklahoma Department of Environmental Quality that rates the Oologah Lake watershed vulnerability to contamination as high, since it is a surface water source. The report provides more information about the potential sources of the contamination, such as agricultural runoff and oil wells.

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 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 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 stormwater runoff, and septic systems.

In our continuing efforts to maintain a safe and dependable water supply it may be necessary to make improvements in your water system. Our new Tacora Water Treatment Plant was put into service November, 2009. This more than doubles the production capability for treated water and will benefit the members of RWD#3 for many years to come.

RWD #3 Board of Directors, management and staff continuously strive to furnish the highest possible quality of service and potable water to our patrons. Our treatment plant on Lake Oologah is monitored around the clock to enable us to be aware of any potential problem which may develop and take appropriate action at the earliest possible stage. We are very proud of our water quality and customer service record.

If you have any questions about this report or concerning your water utility, please contact our office at 918-341-0851. 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 the second Tuesday of each month at 7:30 PM at the RWD #3 District Office, 8 miles north of Claremore on SH88.

Rural Water District #3  
(918) 341-0851, 8:00 AM to 4:30 PM, Monday through Friday

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There are over eighty regulated contaminants that community water systems are required to test for including microbiological, radioactive, inorganic, and volatile organic contaminants. The table below shows only those contaminants that were detected.

TEST RESULTS						
Contaminant	Violation Y/N	Level Detected	Range Detected	MCL	MCLG	Likely Source of Contamination
Barium (ppm) 3/12/2013	N	0.0485	0.485- 0.485	2.00	2.00	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
Copper (ppm) (90 <sup>th</sup> percentile) 9/30/2016	N	0.144	0.010 – 0.144	AL=1.30	1.30	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
Chlorine (ppm) See Important Information about your drinking water - attached	N	2.00	2.00 – 2.00	MRDL 4.0	MRDLG 4.0	Water additive used to control microbes
Haloacetic Acids (HAA5) (ppb) (locational running annual average - LRAA)	N	49.2 2nd Qtr LRAA	31.6 – 61.1 individual samples	60 ppb LRAA	N/A	By-product of drinking water chlorination
Total Trihalomethanes (TTHM) (ppb) (locational running annual average - LRAA)	Y	86 1 <sup>st</sup> Qtr LRAA	41.6 – 109 individual samples	80 ppb LRAA	N/A	By-product of drinking water chlorination
	Y	83 2 <sup>nd</sup> Qtr LRAA				
	Y	81 3 <sup>rd</sup> Qtr LRAA				

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)*

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

*Nephelometric Turbidity Unit (NTU)* - nephelometric turbidity unit is a measure of the clarity of water. Turbidity in excess of 5 NTU is just noticeable to the average person.

*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 (MCLG)* - 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.

*Maximum Residual Disinfectant Level (MRDL)* – The MRDL is the highest level of disinfectant allowed in drinking water.

### What does this mean?

MCLs 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.

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).

**2017 ANNUAL PUBLIC NOTICE  
IMPORTANT INFORMATION ABOUT YOUR DRINKING WATER**

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

**Reporting Requirements Not Met for ROGERS CO RWD #3 LAKE PLANT**

On November 17, 2017, RWD #3 was notified that we had not sent a copy of the 2016 Consumer Confidence Report and Certification Document to ODEQ. The report and certification was submitted to ODEQ on January 6, 2017.

**Reporting Requirements Not Met for ROGERS CO RWD #3 LAKE PLANT**

On November 17, 2017, RWD #3 was notified that we had not sent a copy of the 2017 Consumer Confidence Report and Certification Document to ODEQ. The report and certification was submitted to ODEQ on November 20, 2017.

**Reporting Requirements Not Met for ROGERS CO RWD #3 LAKE PLANT**

The District did not submit a completed Operational Evaluation Level Report for the First Quarter of 2017. The report was completed and submitted to Oklahoma Department of Environmental Quality on June 22, 2017.

**Reporting Requirements Not Met for ROGERS CO RWD #3 LAKE PLANT**

The District did not submit a completed Operational Evaluation Level Report for the Third Quarter of 2017. The report was completed and submitted to Oklahoma Department of Environmental Quality on October 30, 2017.

**Maximum Contaminant Level (MCL) Exceeded for ROGERS CO RWD #3 LAKE PLANT**

The samples taken in July and October, 2016 caused the Locational Running Annual Average (LRAA) to exceed the MCL of 80 ppb for the Second quarter 2016 through the First quarter 2017. Public notification of that violation was made on April 28, 2017. The Public Notice describes the violation and corrective actions taken.

**Maximum Contaminant Level (MCL) Exceeded for ROGERS CO RWD #3 LAKE PLANT**

The samples taken in July and October, 2016 caused the Locational Running Annual Average (LRAA) to exceed the MCL of 80 ppb for the Third quarter 2016 through the Second quarter 2017. Public notification of that violation was made on June 22, 2017. The Public Notice describes the violation and corrective actions taken.

**Maximum Contaminant Level (MCL) Exceeded for ROGERS CO RWD #3 LAKE PLANT**

The samples taken in October, 2016 caused the Locational Running Annual Average (LRAA) to exceed the MCL of 80 ppb for the Fourth quarter 2016 through the Third quarter 2017. Public notification of that violation was made on October 24, 2017. The Public Notice describes the violation and corrective actions taken.

For more information, please contact:

Rural Water District #3, Rogers County  
13277 S. Ash St.  
Claremore, OK 74017  
Phone (918) 341-0851

Please share this information with all the other people who drink this water, especially those who may not have received this notice directly (for example, people in apartments, nursing homes, schools, and businesses). You can do this by posting this notice in a public place or distributing copies by hand or mail.