

Lake Bonanza WSC
P o Box 893
Willis, TX 77378
936-856-4199
Fax 936-856-1427

January 29, 2019

Dear Ladies and Gentlemen of Lake Bonanza WSC,

Enclosed, you will find a mandatory public notice regarding a GROSS ALPHA **EXCLUDING RADON AND URANIUM MCL**. This letter is to inform you of the steps we are taking to resolve the violation.

We are in the beginning stages of drilling a new well. This well will be deeper than the current well which should get us out of the area that is causing the problem.

Gross alpha is a test that is performed to measure the overall radioactivity in drinking water.

Alpha radiation is a type of energy released when certain radioactive elements decay or break down. For example, uranium and thorium are two radioactive elements found naturally in the earth's crust. Over billions of years, these two elements slowly change form and produce "decay products" such as radium and radon. During this change process, energy is released. One form of the energy is alpha radiation. Alpha radiation normally exists everywhere: in the soil, in the air, and also in water. Because the earth's bedrock contains varying amounts of radioactive elements, the amount of alpha radiation in water also varies. As the radioactive elements decay, alpha radiation continues to be released into groundwater. Groundwater is the source of drinking water for our area. The alpha radiation in drinking water can be in the form of dissolved minerals.

If you have any questions regarding any of the information contained in this letter, please contact us.

Thank you for your time.

Sincerely,

Lake Bonanza WSC

Maximum Contaminant Level Violation
MCL, AVERAGE/GROSS ALPHA, EXCLUDING RADON AND URANIUM

The Texas Commission on Environmental Quality (TCEQ) has notified the Lake Bonanza Water Supply Corporation, TX1700578, that the drinking water being supplied to customers had exceeded the Maximum Contaminant Level (MCL) for gross alpha **excluding** radon and uranium. The U. S. Environmental Protection Agency (U.S.EPA) has established the MCL for gross alpha **excluding** radon and uranium at 15 pico curies per liter (pCi/L) based on running annual average (RAA), and has determined that it is a health concern at levels above the MCL. Analysis of drinking water in your community for gross alpha **excluding** radon and uranium indicates a compliance value in quarter three 2018 of 18 pCi/L for EP001.

This is **not** an emergency. Certain minerals are radioactive and may emit a form of radiation known as alpha radiation. Some people who drink water containing alpha emitters in excess of the MCL over many years may have an increased risk of getting cancer.

You do **not** need to use an alternative water supply. However, if you have health concerns, you may want to talk to your doctor to get more information about how this may affect you.

Please see the enclosed letter for the action we are taking to address this issue.

Please share this information with all people who drink this water, especially those who may not have received this notice directly (i.e., 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.

If you have any questions regarding this matter, you may contact C & R Water Supply, Inc. at 936-856-4199.