



NOTICE TO THE PUBLIC

IMPORTANT INFORMATION ABOUT YOUR DRINKING WATER

City Of Reidsville Did Not Meet Disinfection Byproducts (DBP) Treatment Technique Requirement for Total Organic Carbon (TOC)

Our system did not meet the treatment technique requirement at our water treatment plant for the reduction of DBP precursors [Total Organic Carbon (TOC)] to appropriate levels for our particular system. Although this situation was not an emergency and does not require that you take immediate action, as our customers, you have a right to know what happened, and what we are doing to correct this situation.

North Carolina's *Rules Governing Public Water Systems* requires that we comply with DBP precursor removal requirements. We routinely monitor for the presence of precursors within the water treatment plant(s). Test results for the time period of October 1, 2022 through December 31, 2022 showed that treatment techniques being used have been ineffective in adequately reducing the TOC levels.

What should I do?

You do not need to use an alternative (e.g., bottled) water supply. However, if you have specific health concerns, consult your doctor.

What does this mean?

Total Organic Carbon (TOC) has no health effects. However, total organic carbon provides a medium for the formation of disinfection byproducts. These byproducts include trihalomethanes (THMs) and haloacetic acids (HAAs). Drinking water containing these byproducts in excess of the MCL may lead to adverse health effects, liver or kidney problems, or nervous system effects, and may lead to an increased risk of getting cancer.

What happened? What is being done? When will the problem be corrected?

- What happened?
 - The City of Reidsville Water Treatment Plant collects daily lab samples for TOC (Total Organic Carbon) to be completed in our lab. During this time period, it was shown that the requirements were met. Although when the sample was sent to the lab to be tested for regulatory purposes, it did not meet state requirements.
- What is being done?
 - The City of Reidsville Water Treatment Plant is currently collecting the same sample and testing it in house and sending it to two different labs to see how the results compare. The City of Reidsville Water Treatment Plant also plans to increase testing and send weekly samples to an outside lab for extra assurance on what the actual total organic carbon (TOC) removal rates are.
 - The City of Reidsville Water Treatment Plant has its in-house lab analyzer serviced twice a year, an additional service call will be placed to verify the unit's accuracy.
 - The City of Reidsville Water Treatment Plant also just received approval on 2/13/2023 from the State to use a newly built powdered activated carbon (PAC) treatment system added to the water treatment process. Powdered activated carbon (PAC) will assist in total organic carbon (TOC) removal and should help the City of Reidsville Water Treatment Plant meet the states requirements.
- When will the problem be corrected?
 - The State requires the City of Reidsville Water Treatment Plant to meet the removal ratio every quarter. It is expected to be corrected before the quarter is over.

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.

For more information, please contact:

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