

Central Washington County WSC

26550 Ranch Road 12, Suite 1 * Dripping Springs, Texas 78620
Office (866) 643-3472 * Fax (512) 858-1414 * Email customerservice@pgms.net

Central Washington County WSC Wants Our Customers to Be Informed

Here's what you should know about lead and drinking water.

Lead is not typically found in the streams, reservoirs or wells that serve as water supplies or in the main water lines that carry water from treatment plants to homes. Yet, the chemical properties of water can cause lead and other metals to leach into drinking water. The main source of lead in drinking water is from lead service lines (the pipes that deliver water from water mains in the street and into homes) and from typical household plumbing (lead solder and brass fixtures) that contains lead. Households that have, or suspect having, lead service lines or lead in their household plumbing are strongly encouraged to replace them. The use of lead in solder was prohibited after 1986, so buildings constructed after then should not have contained lead in the solder.

How Central Washington County WSC protects its customers:

Water utilities, including Central Washington County WSC, treat drinking water to reduce the chance for metals to leach into the water. Central Washington County WSC conducts required testing for drinking water contaminants, including lead and copper, to ensure compliance with state and federal drinking water standards. Central Washington County WSC tests the water at our treatment plants, and also schedules customer tap sampling and tests for lead in potential high-risk areas, to comply with the U.S. Environmental Protection Agency's (EPA) lead and copper rule.

You can always view your community's test results. They are summarized in our annual water quality reports, which are produced for every water system we own and operate.

*Please Call us at 1-866-643-3472
for more information.
You can find more information by
visiting
<https://washingtoncountywater.com>*

*Este reporte incluye informacion
importante sobre el agua para
tomar. Para asistencia en espanol,
favor de llamar al telefono
1-866-643-3472*

2022 Consumer Confidence Report for Public Water System CENTRAL WASHINGTON COUNTY WSC

This is your water quality report for January 1 to December 31, 2022

For more information regarding this report contact:

CENTRAL WASHINGTON COUNTY WSC provides ground water from the **Central Portion of the Carrizo-Wilcox Aquifer** located in **Washington County, Texas**.

Name Lindsey M. Allen

Phone (866) 643-3472

Este reporte incluye información importante sobre el agua para tomar. Para asistencia en español, favor de llamar al telefono (866) 643-3472.

Definitions and Abbreviations

Definitions and Abbreviations:	The following tables contain scientific terms and measures, some of which may require explanation.
Action Level:	The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.
Avg:	Regulatory compliance with some MCLs are based on running annual average of monthly samples.
Level 1 Assessment:	A Level 1 assessment is a study of the water system to identify potential problems and determine (if possible) why total coliform bacteria have been found in our water system.
Level 2 Assessment:	A Level 2 assessment is a very detailed study of the water system to identify potential problems and determine (if possible) why an E. coli MCL violation has occurred and/or why total coliform bacteria have been found in our water system on multiple occasions.
Maximum Contaminant Level or MCL:	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 or MCLG:	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 or MRDL:	The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.
Maximum residual disinfectant level goal or MRDLG:	The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.
MFL:	million fibers per liter (a measure of asbestos)
mrem:	millirems per year (a measure of radiation absorbed by the body)
na:	not applicable.
NTU:	nephelometric turbidity units (a measure of turbidity)
pCi/L:	picocuries per liter (a measure of radioactivity)
ppb:	micrograms per liter or parts per billion
ppm:	milligrams per liter or parts per million
Ppq:	parts per quadrillion, or picograms per liter (pg/L)
Ppt:	parts per trillion, or nanograms per liter (ng/L)
Treatment Technique or TT:	A required process intended to reduce the level of a contaminant in drinking water.

Information about your Drinking Water

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.

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 at (800) 426-4791.

Contaminants that may be present in source water 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, urban storm water runoff, and residential uses.
- 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.
- Radioactive contaminants, which can be naturally-occurring or be the result of oil and gas production and mining activities.

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.

Contaminants may be found in drinking water that may cause taste, color, or odor problems. These types of problems are not necessarily causes for health concerns. For more information on taste, odor, or color of drinking water, please contact the system's business office.

You may be more vulnerable than the general population to certain microbial contaminants, such as *Cryptosporidium*, in drinking water. Infants, some elderly, or immunocompromised persons such as those undergoing chemotherapy for cancer; persons who have undergone organ transplants; those who are undergoing treatment with steroids; and people with HIV/AIDS or other immune system disorders, can be particularly at risk from infections. You should seek advice about drinking water from your physician or health care providers. Additional guidelines on appropriate means to lessen the risk of infection by *Cryptosporidium* are available from the Safe Drinking Water Hotline (800-426-4791).

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. We are responsible for providing high quality drinking water, but we 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>.

Information about Source Water

TCEQ completed an assessment of your source water, and results indicate that some of our sources are susceptible to certain contaminants. The sampling requirements for your water system is based on this susceptibility and previous sample data. Any detections of these contaminants will be found in this Consumer Confidence Report. For more information on source water assessments and protection efforts at our system contact:

Lindsey M. Allen, (866) 643-3472

<u>Lead and Copper</u>	<u>Date Sampled</u>	<u>MCLG</u>	<u>Action Level (AL)</u>	<u>90th Percentile</u>	<u># Sites Over AL</u>	<u>Units</u>	<u>Violation</u>	<u>Likely Source of Contamination</u>
<u>Copper</u>	2022	1.3	1.3	0.027	0	ppm	N	Erosion of natural deposits; Leaching from wood preservatives; Corrosion of household plumbing systems.

Central Washington County WSC 2022 Water Quality Test Results

<u>Disinfection By-Products</u>	<u>Collection Date</u>	<u>Highest Level Detected</u>	<u>Range of Individual Samples</u>	<u>MCLG</u>	<u>MCL</u>	<u>Units</u>	<u>Violation</u>	<u>Likely Source of Contamination</u>
<u>Haloacetic Acids (HAA5)</u>	2022	15	9.4 - 17.1	No goal for the total	60	ppb	N	By-product of drinking water disinfection.

*The value in the Highest Level or Average Detected column is the highest average of all HAA5 sample results collected at a location over a year

<u>Total Trihalomethanes (TTHM)</u>	2022	95	44.2 - 97.5	No goal for the total	80	ppb	Y	By-product of drinking water disinfection.
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*The value in the Highest Level or Average Detected column is the highest average of all TTHM sample results collected at a location over a year

<u>Inorganic Contaminants</u>	<u>Collection Date</u>	<u>Highest Level Detected</u>	<u>Range of Individual Samples</u>	<u>MCLG</u>	<u>MCL</u>	<u>Units</u>	<u>Violation</u>	<u>Likely Source of Contamination</u>
<u>Barium</u>	2022	0.0127	0.0127 - 0.0127	2.0	2.0	ppm	N	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits.
<u>Fluoride</u>	02/04/2021	0.49	0.36 - 0.49	4.0	4.0	ppm	N	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories.
<u>Nitrate [measured as Nitrogen]</u>	2022	0.41	0.14 - 0.41	10.0	10.0	ppm	N	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits.
<u>Selenium</u>	2022	4	4 - 4	50.0	50.0	ppb	N	Discharge from petroleum and metal refineries; Erosion of natural deposits; Discharge from mines.

<u>Radioactive Contaminants</u>	<u>Collection Date</u>	<u>Highest Level Detected</u>	<u>Range of Individual Samples</u>	<u>MCLG</u>	<u>MCL</u>	<u>Units</u>	<u>Violation</u>	<u>Likely Source of Contamination</u>
<u>Beta/photon emitters</u>	01/24/2018	14.2	11.2 - 14.2	0	50	pCi/L*	N	Decay of natural and man-made deposits.

*EPA considers 50 pCi/L to be the level of concern for beta particles.

<u>Gross alpha excluding radon and uranium</u>	01/24/2018	4.5	0 - 4.5	0	15	pCi/L	N	Erosion of natural deposits.
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Disinfectant Residual

<u>Disinfectant Residual</u>	<u>Year</u>	<u>Average Level</u>	<u>Range of Levels Detected</u>	<u>MRDL</u>	<u>MRDLG</u>	<u>Unit of Measure</u>	<u>Violation (Y/N)</u>	<u>Source in Drinking Water</u>
<u>Free Chlorine</u>	2022	1.23	0.47 – 2.25	4	4	Mg/L	N	Water additive used to control microbes.

Violations

Total Trihalomethanes (TTHM)			
Some people who drink water containing trihalomethanes in excess of the MCL over many years may experience problems with their liver, kidneys, or central nervous systems, and may have an increased risk of getting cancer.			
Violation Type	Violation Begin	Violation End	Violation Explanation
MCL, LRAA	01/01/2022	03/31/2022	Water samples showed that the amount of this contaminant in our drinking water was above its standard (called a maximum contaminant level and abbreviated MCL) for the period indicated.
MCL, LRAA	04/01/2022	06/30/2022	Water samples showed that the amount of this contaminant in our drinking water was above its standard (called a maximum contaminant level and abbreviated MCL) for the period indicated.
MCL, LRAA	07/01/2022	09/30/2022	Water samples showed that the amount of this contaminant in our drinking water was above its standard (called a maximum contaminant level and abbreviated MCL) for the period indicated.
MCL, LRAA	10/01/2022	12/31/2022	Water samples showed that the amount of this contaminant in our drinking water was above its standard (called a maximum contaminant level and abbreviated MCL) for the period indicated.