

2022 CONSUMER CONFIDENCE REPORT FOR PUBLIC WATER SYSTEM CITY OF ELKHART

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

CITY OF ELKHART provides ground water from Carrizo-Wilcox located in Anderson County.

For more information regarding this report contact:

Name: Eric Clark
Phone: 903-764-5657

Este reporte incluye información importante sobre el agua para tomar. Para asistencia en español, favor de llamar al teléfono (903) 764-5657.

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 reasonable 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 metal, which can be naturally-occurring or result from urban storm water runoff, industrial or domestic wastewater discharge, 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 regulation which limit the amount of certain contaminants in water provided by public water system. FDA regulation 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 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 advise 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 woman 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

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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 Eric Clark (903) 764-5657.

Lead and Copper	Date Sampled	MCLG	Action Level (AL)	90 th Percentile	# Sites over AL	Units	Violation	Likely Source of Contamination
Copper	2022	1.3	1.3	0.55	0	Ppm	N	Erosion of natural deposits; Leaching from wood preservation; Corrosion of household plumbing system

2022 WATER QUALITY TEST RESULTS

Disinfection By-Products	Collection Date	Highest Level Detected	Range of Individual Sample	MCLG	MCL	Units	Violation	Likely Source of Contamination
Haloacetic Acids (HAA5)	2022	11	10.5-10.5	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.

Total Trihalomethanes (TTHM)	2022	32	31.5-31.5	No goal for the total	80	Ppb	N	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.

Inorganic Contaminant	Collection Date	Highest Level Detected	Range of Individual Samples	MCLG	MCL	Units	Violation	Likely Source of Contamination
Barium	2022	0.007	0.007-0.007	2	2	Ppm	N	Discharge of drilling wastes; discharge from metal refineries; Erosion of natural deposits
Fluoride	01/21/2021	0.255	0.255-0.255	4	4.0	Ppm	N	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from Fertilizer and aluminum factories
Nitrate (measured as Nitrogen)	2022	0.0611	0.0506-0.0611	10	10	Ppm	N	Runoff from fertilizer use; Leaching from septic tanks; sewage; Erosion of natural deposits

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DISINFECTANT RESIDUAL

Disinfectant Residual	Year	Average Level	Range of Levels Detected	MRDL	MRDLG	Unit of Measure	Violation (Y/N)	Source in Drinking Water
Disinfectant Residual	2022	1.88	86-3.80	4	4	Ppm	N	Water additive used to control microbes

VIOLATIONS

CONSUMER CONFIDENCE RULE

The Consumer Confidence Rule requires community water systems to prepare and provide to their customers annual consumer confidence reports on the quality of the water delivered by the system

VIOLATION TYPE	VIOLATION BEGIN	VIOLATION END	VIOLATION EXPLANATION
CCR ADEQUACY/AVAILABILITY/CONTENT	07/01/2022	2022	We failed to provide to you, our drinking water customers, an annual report that adequately informed you about the quality of our drinking water and the risks from exposure to contaminant detected in out drinking water.

LEAD AND COPPER RULE

The Lead and Copper Rule protects public health by minimizing lead and copper levels in drinking water, primarily by reducing water corrosivity. Lead and copper enter drinking water mainly from corrosion of lead and copper containing plumbing materials.

LEAD CONSUMER NOTICE (LCR)	Violation Begin	Violation End	Violation Explanation
12/30/2021	02/28/2022		We failed to provide the results of lead tap water monitoring to the consumers at the location water was tested. These were supposed to be provided no later than 30 days after learning the results.

PUBLIC NOTIFICATION RULE

The Public Notification Rule helps to ensure that consumers will always know if there is a problem with their drinking water. These notices immediately alert consumer if there is a serious problem with their drinking water (e.g., a boil water emergency).

Violation Type	Violation Begin	Violation End	Violation Explanation
PUBLIC NOTICE RULE LINKED TO VIOLATION	06/01/2017	03/15/2023	We failed to adequately notify you, our drinking water consumers, about a violation of the drinking water regulation
PUBLIC NOTICE RULE LINKED TO VIOLATION	10/02/2021	03/15/2023	We failed to adequately notify you, our drinking water consumer, about a violation of the drinking water regulation

REVISED TOTAL COLIFORM RULE (RTCR)

The Revised total Coliform Rule (RTCR) seeks to prevent waterborne diseases caused by E. Coli. E. Coli are bacteria whose presence indicates that the water may be contaminated with human or animal wastes. Human pathogens in these wastes can cause short-term effects, such as diarrhea, cramps, nausea, headaches, or other symptoms. They may pose a greater health risk for infants, young children.

Violation Type	Violation Begin	Violation End	Violation Explanation
MONITORING, ROUTINE, MAJOR (RTCR)	07/01/2022	07/31/2022	We failed to test our drinking water for the contaminant and period indicated. Because of this failure, we cannot be sure of the quality of our drinking water during the period indicated.

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.

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- Level 2 Assessment
 - Maximum Contaminant Level Goal or MCLG
 - A level 2 assessment is a study of the water system to identify potential problems and determine (if possible) why E. coli MCL violation has occurred and/or why total and/or why total coliform bacteria have been found in our water system on multiple occasions.
 - Maximum residual disinfectant level or MRDL
 - 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 goal or MRDLG
 - 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
 - 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 that level of a contaminant in drinking water.