



City of Clare Municipal Water System 2025 Drinking Water Quality Report

We are pleased to present to you this year's Annual Quality Water Report. This report is designed to inform you about the quality water and services we deliver to you every day. Our constant goal is to provide you with a safe and dependable supply of drinking water. We want you to understand the efforts we make to continually improve the water treatment process and protect our water resources. We are committed to ensuring the quality of your water. Our water source comes from wells which draws from the City of Clare aquifer.



We are pleased to report that our drinking water meets federal and state requirements.

If you have any questions about this report or concerning your water utility, please contact Dale Clark at 386-2321. 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 first and third Monday evenings of each month, at 6:00 pm in the Commission Chambers at Clare City Hall, 202 West Fifth Street, Clare, Michigan.

The City of Clare Municipal Water System routinely monitors for contaminants in your drinking water according to Federal and State laws. The table below shows the results of our monitoring for the period of January 1st to December 31st, 2025. As water travels over the land or underground, it can pick up substances or contaminants such as microbes, inorganic and organic chemicals, and radioactive substances. All drinking water, including bottled drinking water, may be reasonably expected to contain at least small amounts of some constituents. It is important to remember that the presence of these constituents does not necessarily pose a health risk. In order to ensure that tap water is safe to drink, EPA prescribes regulations which limit the amounts 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.



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.

Contaminants that may be present in source water:

- 1) Microbial contaminants, such as viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.
- 2) 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.
- 3) Pesticides and herbicides, which may come from a variety of sources such as agriculture, urban storm water runoff, and residential uses.
- 4) 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.
- 5) Radioactive contaminants, which can be naturally occurring or be the result of oil and gas production and mining activities.

In the following 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:

Average (Avg) – A running average of all samples collected during the reporting period.

Maximum (Max) – The maximum value of all samples used to calculate the Average. This is the upper part of the range of sample values.

Minimum (Min) – The minimum value of all samples used to calculate the Average. This is the lower part of the range of sample values.

Non-Detects (ND) – laboratory analysis indicates that the constituent is not present.

Parts per million (ppm) or Milligrams per liter (mg/l) – one part per million corresponds to one minute in two years or a single penny in \$10,000.

Parts per billion (ppb) or Micrograms per liter – one part per billion corresponds to one minute in 2,000 years, or a single penny in \$10,000,000.



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 “Maximum Allowed” is the highest level of a contaminant that is allowed in drinking water. MCL’s are set as close to the MCLG’s as feasible using the best available treatment technology.

Maximum Contaminant Level Goal (MCLG) – The “Goal” is the level of a contaminant in drinking water below which there is no known or expected risk to health. MCLG’s allow for a margin of safety.

Maximum Residual Disinfectant Level (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 (MRDLG) – The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLG’s do not reflect the benefits of the use of disinfectants to control microbial contaminants.



TEST RESULTS

Contaminant	Violation Y/N	Level Detected	Unit Measurement	MCLG	Number of Samples Above AL	MCL	Likely Source of Contamination
Arsenic Most recent analysis performed 4/15/20	N	2	ppb	0		10	Erosion of natural deposits; runoff from orchards; runoff from glass and electronics production wastes
Copper 90 th Percentile Value 01/01/2022 – 12/31/2022	N	Result: .5 Min: .1 Max: .5	ppm	1.3	0	AL= 1.3	Corrosion of household plumbing systems; erosion of natural deposits
Lead * 90 th Percentile Value 01/01/2022 – 12/31/2022	N	Result: ND Min: ND Max: ND	ppb	0	0	AL= 12	Lead service lines; corrosion of household plumbing including fittings and fixtures; erosion of natural deposits
Fluoride	N	.76	ppm	4		4	Erosion of natural deposits; water additive which promotes strong teeth
Nitrate (as Nitrogen)	N	.4	ppm	10		10	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
Volatile Organic Chemicals							
Cis-1,2-dichloroethene	N	Avg: 5.8 Min: 5.8 Max: 5.8	ppb	70		70	Discharge from industrial chemical factories
Disinfectants and Disinfection By-Products							
TTHM Total trihalomethanes	N	Avg: 43 Min: 33.6 Max: 52.4	ppb	N/A		80	By-product of drinking water chlorination
Total Haloacetic Acids	N	Avg: 4.5 Min: 7.0 Max: 2.0	ppb	N/A		60	By-product of drinking water chlorination
Chlorine	N	.45	ppm	4		4	Water additive to control microbials
Per- and Polyfluoroalkyl Substances (PFAS)							
Perfluorobutane sulfonic acid (PFBS)	N	Avg: 3.4 Min: 2.8 Max: 3.5	ppt	N/A		420	Discharge and waste from industrial facilities; stain-resistant treatments
Perfluorohexane sulfonic acid (PFHxS)	N	Avg: 6.2 Min: 2.5 Max: 7.2	ppt	N/A		51	Firefighting foam; discharge and waste from industrial facilities
Perfluorooctane sulfonic acid (PFOS)	N	Avg: 4.5 Min: 2.7 Max: 4.4	ppt	N/A		16	Firefighting foam; discharge from electroplating facilities; discharge and waste from industrial facilities
Unregulated Chemicals							
Sulfate	N	123	ppm				Natural occurring element in water supply



Sodium	N	60	ppm				Natural occurring element in water supply
Chloride	N	102	ppm				Natural occurring element in water supply

Estimated Number of Service Connections by Service Line Material

Number of Lead Service Lines	Number of Service Lines of Unknown Material	Total Number of Service Lines
0	0	1225

What does this mean?

All sources of drinking water are subject to potential contamination by substances that are naturally occurring or manmade. These substances can be microbes, inorganic or organic chemicals and radioactive substances. All 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 the water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency’s Safe Drinking Water Hotline at 1-800-426-4791.

* If present, lead can cause serious health effects in people of all ages, especially pregnant people, infants (both formula-fed and breastfed), and young children. Lead in drinking water is primarily from materials and parts used in service lines and in home plumbing. The City of Clare is responsible for providing high quality drinking water and removing lead pipes, but cannot control the variety of materials used in plumbing in your home. Because lead levels may vary over time, lead exposure is possible even when your tap sampling results do not detect lead at one point in time. You can help protect yourself and your family by identifying and removing lead materials within your home plumbing and taking steps to reduce your family’s risk. Using a filter, certified by an American National Standards Institute accredited certifier to reduce lead, is effective in reducing lead exposure. Follow the instructions provided with the filter to ensure the filter is used properly. Use only cold water for drinking, cooking, and making baby formula. Boiling water does not remove lead from the water. Before using tap water for drinking, cooking, or making formula, flush your pipes for several minutes. You can do this by running your tap, taking a shower, doing laundry or a load of dishes. If you have a lead service line or galvanized requiring replacement service line, you may need to flush your pipes for at least 5 minutes to flush water from both your home plumbing and the lead service line. If you are concerned about lead in your water and wish to have your water tested, contact City of Clare Water Treatment Plant (989) 386-2321 for available resources. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline at 1-800-426-4791 or at <http://water.epa.gov/drink/lead>. The 2024 CCR inadvertently had the wrong range for copper. It should had been .1ppm to .5ppm.

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).

A source water assessment of our wells was completed by EGLE in 2025. Based on that report the city's susceptibility rating assigned to our wells range from low to very high. There are significant sources of contamination in our drinking water wells and finished water, they are PFAS and Cis-1,2 dichloroethanes. We are making efforts to protect our water sources by participating in the well head protection program.

The hardness of the City's water supply averaged 386 mg/L or 22.6 grains per gallon.

Please call our office if you have questions or wish to have a copy of this report, source water assessment report, wellhead protection plan and/or UCMR results. Copies of this report results will also be made available at the Clare City Hall and the internet. A report will not be mailed to you.

The staff of the Water Treatment Department work very hard each and every day of the year to provide top quality water to every tap. We ask that all our customers help us protect our water sources, which are the heart of our community, our way of life and our children's future. Please contact our office for any information on how to protect our water resources.

Dale Clark
Director of Water Treatment
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