

2024 Water Quality Report for the Cass Lakeside Community Association

West Bloomfield, Michigan
Water Department 248-731-0052



We are pleased to present this year's Annual Water Quality Report (Consumer Confidence Report or CCR) as required by the Safe Drinking Water Act (SDWA). This report covers the drinking water quality for Cass Lakeside Community Association (CLCA) for the calendar year 2024. This information is a snapshot of the quality of the 27.6 million gallons of water that we provided to you and the details about where your water comes from, what it contains, and how it compares to U.S. Environmental Protection Agency (EPA) and state standards.

Your water comes from two groundwater wells located within the subdivision. The water from each 120 ft deep well is alternately pumped to an above ground storage tank. The State last performed assessment of our source water in June 2020. Our water supply assessment risk was rated LOW (and includes geological sensitivity, water chemistry, and contaminant sources).

- **Contaminants and their presence in water:** 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 (800-426-4791).
- **Vulnerability of sub-populations:** Some people may be more vulnerable to contaminants in drinking water than the general population. Immune-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune systems 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 microbial contaminants are available from the Safe Drinking Water Hotline (800-426-4791).
- **Sources of drinking water:** The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. Our water comes from 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 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 stormwater runoff, industrial or domestic wastewater discharges, oil and gas profusion, mining or farming.
 - **Pesticides and herbicides**, which may come from a variety of sources such as agriculture and residential uses.
 - **Radioactive contaminants**, which are naturally occurring or be the result of oil and gas production and mining activities.
 - **Organic chemical contaminants**, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum profusion, and can also come from gas stations, urban stormwater runoff, and septic systems.

In order to ensure that tap water is safe to drink, EPA prescribes regulations that limit the amount of certain contaminants in water provided by public water systems. Food and Drug Administration regulations establish limits for contaminants in bottled water which provide the same protection for public health.

Additional Information About Lead

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. CLCA is responsible for providing high quality drinking water and removing lead pipes but cannot control the variety of materials used in the 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 exposures. 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 water. Before using tap water for drinking, cooking, or making baby 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 CLCA water dept (248-731-0052). Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available at <https://www.epa.gov/safewater/lead>.

During mandatory inventory testing during 2024, CLCA found **3 lead components/service lines** between water mains and homes, **60 of 246** service lines are of **unknown materials**, the remaining **183** are **copper or plastic**. All homeowners affected were notified.

The discovery of the lead components/service lines in our system will result in an increased frequency of testing for lead. You may be asked to participate in this testing twice a year based on EGLE criteria.

PFAS and Uranium

Testing done in Sept 2024 showed no detected PFAS, no detectable levels of Per-And Polyfluorinated Alkyl substances were found.

Uranium testing was also added for 2024 and also no detectable level was reported.

WATER QUALITY DATA

The table below lists all the drinking water contaminants that we detected during the 2024 calendar year. The presence of these contaminants in the water does not necessarily indicate that the water poses a health risk. Contaminates tested for with zero detected level are not reported. Unless otherwise noted, the data presented in this table is from testing done January 1 - December 31, 2024. The State allows us to monitor for certain contaminants less than once per year because the concentrations of these contaminants are not expected to vary significantly from year to year. All of the data is representative of the water quality but some are more than one year old.

Terms and abbreviations used below:

- **Maximum contaminant Level Goal (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 Contaminant Level (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.
- **N/A:** Not applicable **ND:** not detectable at testing limit **ppb:** parts per billion or micrograms per liter **ppm:** parts per million or milligrams per liter **pCi/l:** picocuries per liter (a measure of radioactivity).
- **AL/Action Level:** The concentration of a contaminant which, if exceeded, triggers treatment or other requirements the water system must follow.

| Regulated Contaminant | MCL / AL | MCLG | Level Detected | Sample Date | Violation Yes / No | Typical Source of Contaminant |
|--|--------------------|----------|-------------------------------|--------------------------------------|----------------------------|---|
| Fluoride (mg/l) | 4 | 0.1 | 0.74 | 08/29/2024 | No | Erosion of natural deposits; discharge from fertilizer and aluminum factories |
| Barium(mg/l) | 2 | 2 | 0.23 | 9/25/2019 | No | Discharge of drilling wastes; Discharge of metal refineries; Erosion of natural deposits |
| Chloride (mg/l) | n/a | 4 | 8.0 | 08/29/2024 | No | Erosion of natural deposits |
| Hardness as CaCO3 (mg/l) | n/a | 20 | 187 | 9/03/2024 | No | Erosion of natural deposits |
| Sodium (mg/l) | n/a | n/a | 16 | 08/30/2024 | No | Erosion of natural deposits |
| Iron (Fe) (mg/l) | n/a | n/a | 0.83 | 8/30/2024 | No | Erosion of natural deposits |
| Nitrate(mg/l) | 10 | 10 | ND | 8/30/2024 | No | Runoff from fertilizer use. Leaching from septic tanks, sewage. Erosion of natural deposits |
| Contaminant subject to AL (Sampled 9/19 – 9/28/2022) | | | Action Level at consumer taps | 90% of Samples < This Level | Number of Samples Above AL | Range of results |
| Lead (ppb) | | | 15 | 0 | 0 out of 11 | 0-0 |
| Copper (ppb) | | | 1300 | 0 | 0 out of 11 | 0-0 |
| Microbial Contaminants | Violation Yes / No | Results | Sample Dates 2024 | Typical Source of Contaminant | | |
| Total Coliform Bacteria | No | Negative | Monthly | Naturally present in the environment | | |
| Fecal Coliform and E. coli | No | Negative | Monthly | Human and animal fecal waste | | |

In addition, we tested for 65 Volatile Organic Compounds, and 10 Carbamates in 2022, 27 different Pesticides, 10 Herbicides in 2019. The results for all were non-detectable levels. We also had non-detectable levels for Arsenic, Uranium and Cyanide.

The MDEQ/EGLE and the EPA require us to test our water on a regular basis to ensure its safety. We met all the monitoring and reporting requirements for 2024. We will update this report annually and will keep you informed of any problems that may occur throughout the year, as they happen. We invite public participation in decisions that affect drinking water quality. CLCA Board Meetings are held the 2nd Tuesday of every month at 7:30 pm. We will be focusing on cross connections again this year and may be inspecting and/or installing vacuum breakers at your outside faucets this summer. DO NOT REMOVE a water system installed vacuum breaker on your outside faucets. For more information about safe drinking water visit the EPA website at www.epa.gov/ground-water-and-drinking-water.

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; renters, long term guest or visitors). You can obtain hard copies from the INFO box at the community center or contacting a board member. This notice is being sent to you by Cass Lakeside Subdivision and may not be mailed to you if you received electronically. Note: Water softener setting should be 15 grains optimally.

CERTIFICATION: WSSN: 01230 I certify that this water supply has fully complied with the public notification regulations in the Michigan Safe Drinking Water Act, 1976 PA 399, as amended, and the administrative rules.

Signature: Steve O'Connor Title: Water Department Chairman Date Distributed: 6/27/2025
For more information, please contact Mr. Steve O'Connor or Chris Nelander at 248-731-0052 or the DNRE at 586-753-3755

IMPORTANT INFORMATION ABOUT YOUR DRINKING WATER

Significant Deficiency Violation for Cass Lakeside Subdivision

Cass Lakeside system is required to be able supply/pump an EGLE specified amount of water (firm capacity) to the system in order to meet possible very high peak demand. Although we initiated activity to increase our capacity by obtaining permission to install a 3rd well, EGLE found us in violation of that “firm capacity” capability as reported last year. This violation **does not** pose a threat to the quality of the supply’s water.

What should I do? There is nothing you need to do at this time. This is not an emergency. You do not need to boil water or use an alternate source of water at this time. Even though this is not an emergency, as our customers, you have a right to know what happened and what we are doing to correct the situation.

EGLE requires that community drinking water systems be able to supply all customers at a specified rate with our largest pump out of service or off-line. Even though we have not failed to meet the system demands of our residents to date, EGLE requires a more conservative capacity than we can currently meet resulting in this violation notice. The violation will continue until we can meet the ‘firm capacity’ requirement.

What happened? What is being done? During the 2022 calendar year we were not able to meet the timetable EGLE specified to determine a suitable location, drill and fully test a new well, to design a pump house and build it and meet other specific requirements in order to connect it to our system.

We have drilled our new well in late 2022 and completed all required testing and reporting for the new well during 2023. We have developed and submitted, adjusted, and re- submitted certified engineering plans and specifications to EGLE and received approval in early 2025. We are currently going through West Bloomfield Township approval process for planning and permits. Once that is complete we will start construction of the new pump house, install a new pump and connect to the system after EGLE inspection/approval.

For more information, please contact Steve O’Connor at 248-731-0052, or 65ducati@att.net.

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More information about your drinking water is available from the U.S.Environmental Protection Agency Office of Water home page at: <http://www.epa.gov/safewater/dwinfo.htm>.

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