



## Source Water and Types of Contaminants

Milwaukee's drinking water comes from Lake Michigan, a surface water source. The most recent DNR Source Water Assessment for Milwaukee is available online under "Resources" at [Milwaukee.gov/WaterQuality](https://www.milwaukee.gov/WaterQuality).

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, or substances, that may be present in source water include:

**Microbial contaminants**, such as viruses, protozoa, and bacteria, may come from leaky sewer pipes, 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 production, mining, or farming.

**Pesticides and herbicides**, which may come from a variety of sources such as agriculture, urban stormwater runoff, and residential uses.

**Organic chemical contaminants**, including synthetic and volatile organic chemicals, which are byproducts of industrial processes and petroleum production, and also come from gas stations, urban stormwater runoff, and septic systems.

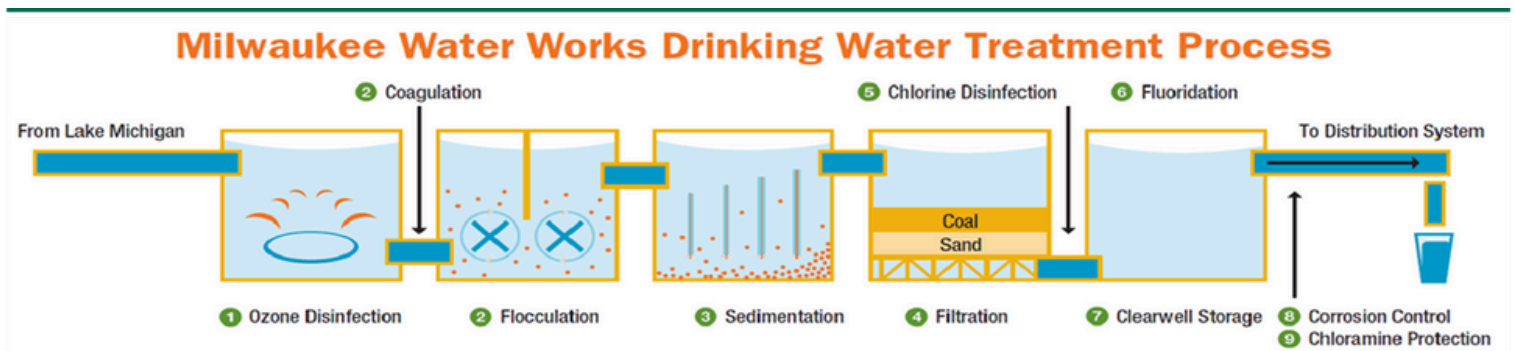
*Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants.*

**Radioactive contaminants**, which can be naturally occurring or the result of oil and gas production and mining activities.

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) or at: [www.epa.gov](https://www.epa.gov)

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

MWW maintains a nationally recognized water monitoring program to assure all treated water meets or exceeds local, state, and federal regulations.



**(1) Ozone disinfection:** Ozone gas is bubbled through the incoming lake water. Ozone destroys disease-causing microorganisms including Giardia and Cryptosporidium, controls taste and odor, and reduces the formation of chlorinated disinfection byproducts.

**(2) Coagulation and Flocculation:** Aluminum sulfate is added to the water to neutralize the charge on microscopic particles. The water is then gently mixed to encourage suspended particles to stick together to form "floc."

**(3) Sedimentation:** Sedimentation is the process in which floc settles out and is removed from the water.

**(4) Biologically Active Filtration:** The water is slowly filtered through 24" of anthracite coal and 12" of crushed sand to remove very small particles.

**(5) Chlorine Disinfection:** After filtration, chlorine is added as a secondary disinfectant to provide extra protection from potentially harmful microorganisms.

**(6) Fluoridation:** Fluoride, when administered at low levels, is proven to help prevent tooth decay.

**(7) Clearwell Storage:** Treated water is stored in deep underground tanks and pumped as needed through the distribution system.

**(8) Corrosion Control:** A food-grade phosphorus compound is added to help control corrosion of pipes. This helps prevent lead and copper from leaching from plumbing into water.

**(9) Chloramine Protection:** Ammonia changes the chlorine to chloramine, a disinfectant that maintains bacteriological protection in the distribution system.

## Reading the Water Quality Tables

The following tables show regulated and unregulated contaminants and substances detected in Milwaukee’s drinking water in 2024. It also includes all substances tested for in the mandatory EPA monitoring program, most recently the Fifth Unregulated Contaminant Monitoring Rule (UCMR-5). The contaminant test results demonstrate the water meets or exceeds drinking water standards for health and safety.

The tables contain the name of each substance, the highest level allowed by regulation (Maximum Contaminant Level), the ideal level for public health (Maximum Contaminant Level Goal), the amount detected, and the usual sources of such contamination. The presence of a substance in drinking water does not necessarily indicate the water poses a health risk. Certain quantities of some substances are essential for good health, but excessive quantities can be hazardous.

Definitions	
Action Level (AL)	The concentration of a contaminant which, if exceeded, triggers treatment or other requirement that a water system must follow. Action levels are reported at the 90th percentile for homes at greatest risk.
Health Advisory (HA) and Health Advisory Level (HAL)	An estimate of acceptable drinking water levels for a chemical substance based on health effects information; a health advisory is not a legally enforceable federal standard, but serves as technical guidance to assist federal, state, and local officials.
Maximum contaminant level (MCL)	The highest level of a contaminant allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.
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 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 the 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. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contamination.
Recommended Public Health Groundwater Standard (RPHGS)	Groundwater standards proposed by the Wisconsin Department of Health Services. The concentration of a contaminant which, if exceeded, poses a health risk and may require a system to post a public notice.
Secondary Maximum Contaminant Levels (SMCL)	Secondary drinking water standards that affect taste, odor, or appearance of the drinking water. The SMCLs do not represent health standards.
Treatment technique (TT)	A required process intended to reduce the level of a contaminant in drinking water.
Turbidity	Turbidity has no health effects. However, turbidity can interfere with disinfection and provide a medium for microbial growth. Turbidity may indicate the presence of disease-causing organisms. These organisms may include bacteria, viruses, and parasites that can cause symptoms such as nausea, cramps, diarrhea, and associated headaches.
Unit Abbreviations	
<	“less than” or not detected
N/A	not applicable
NR	not regulated
NTU	nephelometric turbidity unit (a unit to measure turbidity)
ppb	parts per billion (microgram per liter)
ppm	parts per million (milligram per liter)
ppt	parts per trillion (nanogram per liter)
pCi/L	picocuries per liter: a measure of radioactivity
RAA	running annual average: the average of four quarterly samples collected in one year

## Primary Drinking Water Standards

Your water was tested for many contaminants last year. MWW is allowed to monitor for some contaminants less frequently than once a year. The following tables list only those contaminants which were detected in your water. If a contaminant was detected last year, it will appear in the following tables without a sample date. If the contaminant was not required to be monitored last year, but was detected within the last 5 years of regulatory sampling, it will appear in the tables below along with the sample date. Additional, voluntary results are available at [milwaukee.gov/waterquality](http://milwaukee.gov/waterquality). Results are from the water leaving the treatment plant, unless otherwise indicated.

Primary Contaminant or Substance	Ideal Goal (MCLG)	Highest Level Allowed (MCL)	Average Detected	Range or Highest Detected	Date (if before 2024)	Meets Standard	Typical Source of Substance
Antimony (ppb)	6	6	0.17	0.16 - 0.18	8/7/2023	Yes	Discharge from petroleum refineries; fire retardants; ceramics; electronics; solder
Atrazine (ppb)	3	3	0.02	0.02 - 0.02	Aug 2023	Yes	Runoff from herbicide used on row crops
Barium (ppm)	2	2	0.019	0.019	5/20/2020	Yes	Drilling waste discharge; metal refineries
Bromate (ppb)	0	10 (RAA)	2.2	0.0 - 6.5		Yes	Byproduct of drinking water disinfection
Chlorine, Total (ppm)	4	4 (MRDL)	1.61	1.41 - 1.95		Yes	Disinfection of drinking water
Chlorite (ppm)	0.8	1	0.002	0—0.007		Yes	Byproduct of drinking water disinfection
Chromium, Total (ppb)	100	100	0.8	0.69 - 0.90	8/9/2023	Yes	Natural deposits and manufacturing
Fluoride (ppm)*	4	4	0.64	0.39 - 0.72		Yes	Erosion of natural deposits; water additive for dental health; aluminum factories
Heterotrophic Plate Count (HPC)	N/A	TT	Met Standard	Met Standard		Yes	Naturally present in the environment
Nitrate (ppm)	10	10	0.32	0.31 - 0.33		Yes	Runoff from fertilizer; leaching from septic tanks sewage; erosion of natural deposits
Total Haloacetic Acids 5 (ppb)*	N/A	60	1.2	0.0 - 3.8		Yes	Byproduct of drinking water disinfection
Trihalomethanes, Total (ppb)*	N/A	80	8.9	5.2 - 13.7		Yes	Byproduct of drinking water disinfection

\*Measured at customer taps

## Turbidity Monitoring

In accordance with s. NR 810.29, Wisconsin Administrative Code, the treated surface water is monitored for turbidity to confirm that the filtered water is less than 0.3NTU in 95% of samples. Turbidity is a measure of the cloudiness of water. MWW monitors for it because it is a good indicator of the effectiveness of our filtration system. During the year, the highest single entry point turbidity measurement was 0.12 NTU. All of MWW samples in 2024 met the turbidity limits.



## Did you know?

Milwaukee Water Works is part of the Partnership for Safe Water - Distribution System Optimization program. This is a voluntary program that pushes utilities to continuously improve the way they manage their system to balance the benefits of disinfection with carefully limiting disinfection by-products. The utility was awarded the Directors Award for the efforts and continues the reporting and goal setting in order to provide our community with the best water possible.

## PFAS (Per- and Polyfluoroalkyl Substances)

Perfluoroalkyl and polyfluoroalkyl substances (PFAS) are a large group of human-made chemicals that have been used in industry and consumer products worldwide since the 1950s.

The following table lists PFAS contaminants which were detected in your water and that have a Recommended Public Health Groundwater Standard (RPHGS) or Health Advisory Level (HAL). There are no violations for detections of contaminants that exceed the RPHGS or HAL. The RPHGS are levels at which concentrations of the contaminant present a health risk and are based on guidance provided by the Wisconsin Department of Health Services.

**Note:** The recommended health-based levels in the table below were in effect in 2024. These levels were revised by WDHS in 2025. They can be found here: [dhs.wisconsin.gov/water/gws.htm](https://dhs.wisconsin.gov/water/gws.htm).

Drinking water is one way that people can be exposed to PFAS. In Wisconsin, two-thirds of people use groundwater as their drinking water source. PFAS can get in groundwater from places that make or use PFAS and release from consumer products in landfills.

PFAS Compound	RPHGS or HAL (ppt)	Current WI MCL (ppt)	Average Detected	Range or Highest Detected	Date (if before 2024)
Perfluorobutanoic acid (PFBA) (ppt)	10,000	NR	1.90	1.80 - 1.90	
Perfluorooctanesulfonic acid (PFOS) (ppt)	20	70	2.15	2.10 - 2.20	2/20/2023
Perfluorooctanoic acid (PFOA) (ppt)	20	NR	2.15	2.10 - 2.20	2/20/2023
PFOS + PFOA (ppt)	20	70	4.40	4.20 - 4.60	2/20/2023

*Secondary Maximum Contaminant Levels (SMCL) are levels that do not present health concerns but may pose aesthetic problems such as objectionable taste, odor, or color*

## Secondary Drinking Water Standards

The following table lists contaminants which were detected in your water and that have a Secondary Maximum Contaminant Level (SMCL). There are no violations for detections of contaminants that exceed these guidelines. SMCLs are levels that do not present health concerns but may pose aesthetic problems such as objectionable taste, odor, or color.

In addition to the regulatory sampling listed below from previous years, these contaminants were also tested in 2024 on a voluntary basis. Results of voluntary testing are available at [milwaukee.gov/waterquality](https://milwaukee.gov/waterquality) under "Resources."



Contaminant or Substance	SMCL	Average	Range or Highest	Date (if before 2024)	Typical Source of Substance
Aluminum (ppm)	0.05—0.20	0.05	0.05	8/24/2020	Water treatment additive; natural deposits
Chloride (ppm)	250	15	15	8/24/2020	Natural deposits and road salts
Sodium (ppm)	250	10.2	9.9—10.4		Natural deposits and road salts
Sulfate (ppm)	250	28.0	26 - 28	8/24/2020	Natural deposits
Total Dissolved Solids (ppm)	500	174	171-176		Dissolved minerals

# Lead and Copper

In 2023, in compliance with the US EPA and Wisconsin DNR, MWW completed Lead and Copper Rule (LCR) testing.

All samples were collected at the customers' taps from properties with lead service lines. In order to remain in compliance with EPA regulations, 90th percentile levels must be below 15 ppb for lead and 1.3 ppm for copper.

The 90th percentile is the level at which 90% of all results are at or below that concentration. There were two homes that tested above 15 ppb lead. Those residents were contacted immediately for follow up.



Lead and Copper (2023)	Action Level	90th percentile	Highest Detected	Sites Exceeding Action Level
Copper (ppm)	1.3	0.061	0.108	0
Lead (ppb)	15	5.3	20.3	2

## Lead and Copper Public Safety

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. Learn more about lead in water: [milwaukee.gov/LeadPipes](https://milwaukee.gov/LeadPipes)

## Tips to Lower your Lead Exposure

- Identify and remove lead materials in your home plumbing.
- Filter drinking water using a filter certified to NSF/ANSI 53 standards. Follow the filter instructions to use properly. Filtered water is recommended for children under 6 and those who are pregnant or breast feeding.
- If your water has been unused for 6 or more hours, flush the tap for several minutes before using water for drinking, cooking, or making baby formula. If you have a lead service line you may need to flush your pipes for a longer period.
- Use only cold water for drinking, cooking, and making baby formula. Boiling water does NOT remove lead.
- Remove and clean faucet screens (aerators) regularly.

In 1996, MWW began adding a food grade ortho-phosphate to the finished water to reduce lead and copper leaching from pipes into the water. This is called corrosion control treatment (CCT). By the end of 1997, the treatment had been fully implemented and the lead concentrations dropped below the EPA action level during the next cycle of LCR compliance sampling. After a three-year study to optimize the CCT program, the DNR determined in 2022 that MWW's water quality characteristics are still ideal for reducing lead in water and no changes were requested.

MWW 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. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 3 minutes before using water for drinking or cooking. 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.

## Additional Information on Service Line Materials

MWW was required to develop an initial inventory of service lines connected to our distribution system by October 16, 2024 and to make the inventory publicly accessible. You can access the service line inventory here: [milwaukee.gov/CheckAddress](https://milwaukee.gov/CheckAddress)

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 [epa.gov/safewater/lead](https://epa.gov/safewater/lead).

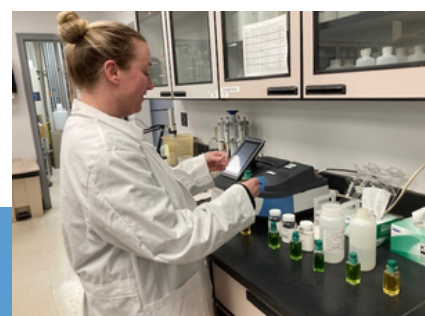
## Radionuclides

MWW is on a reduced monitoring schedule for radioactive contaminants due to results being below half of the maximum contaminant level (MCL). Next scheduled monitoring for the utility will be 2026.

Radionuclide Contaminant	Ideal Goal (MCLG)	Highest Level Allowed (MCL)	Level Detected	Range or Highest Detected	Sample Date (if prior to 2022)	Typical Source of Contaminant
Gross Beta Particle Activity (pCi/L)	0	50	1.6	-1.7-1.6	3/24/2020	Decay of natural and man-made deposits.
Gross Alpha, Excl. R & U (pCi/L)	0	15	0.7	0.5 - 0.7	3/24/2020	Erosion of natural deposits
Radium, (226 + 228) (pCi/L)	0	5	0.9	0.7 - 0.9	3/24/2020	Erosion of natural deposits
Gross Alpha, Incl. R & U (pCi/L)	0	15	0.9	0.7 - 0.9	3/24/2020	Erosion of natural deposits
Combined Uranium (ug/L)	0	30	0.3	0.3	3/24/2020	Erosion of natural deposits

## Other Substances

As the largest water utility in Wisconsin, MWW goes above and beyond the required testing and provides the additional results to customers.



Contaminant or Substance	Average	Range or Highest Detected	Typical Source
Ammonia (ppm)	0.31	0.18 - 0.38	Disinfection with chloramines; wastes; fertilizers and natural processes
Azithromycin (ppb)	0.02	0.00 - 0.02	Pharmaceutical
Boron (ppb)	23.7	23.5 - 24.1	Naturally occurring, borax mining and refining, boric acid manufacturing
Bromide (ppb)	19.6	13.0 - 24.1	Naturally occurring
Bromochloroacetic acid (ppb)	0.45	0.00 - 1.40	Byproduct of drinking water disinfection
Bromochloroacetonitrile (ppb)	0.17	0.00 - 0.50	Byproduct of drinking water disinfection
Bromodichloroacetic acid (ppb)	0.51	0.00 - 2.10	Byproduct of drinking water disinfection
Calcium (ppm)	34.6	34.4 - 34.9	Naturally occurring
Chlorate (ppb)	156	85 - 245	Byproduct of drinking water disinfection
Chromium, Hexavalent (ppb)	0.15	0.13 - 0.17	Manufacturing and weathering of natural deposits
Dibromoacetonitrile (ppb)	0.19	0.00 - 0.73	Byproduct of drinking water disinfection
Dichloroacetonitrile (ppb)	0.15	0.00 - 0.52	Byproduct of drinking water disinfection
Erythromycin (ppb)	0.01	0.00 - 0.02	Pharmaceutical
Lithium (ppb)	2.1	2.1 - 2.2	Byproduct of drinking water disinfection
Magnesium (ppm)	12.1	11.9 - 12.3	Naturally occurring
Nonanal (ppb)	1.4	0.00 - 11	Naturally occurring and scent additive
Perchlorate (ppb)	0.08	0.00 - 0.16	Naturally occurring and an impurity in hypochlorite solutions used for drinking water treatment
o-Phosphate as PO <sub>4</sub> (ppm)*	1.76	1.26 - 2.75	Corrosion control treatment added to coat pipes and prevent lead leaching
Potassium (ppm)	1.5	1.5	Byproduct of drinking water disinfection
Rubidium (ppb)	1.15	1.1 - 1.2	Naturally occurring
Silica (ppm)	2.2	2.1 - 2.2	Naturally occurring
Strontium (ppb)	116	115 - 117	Natural deposits
Total Organic Carbon (ppm)	1.44	1.34 - 1.56	Naturally present in the environment

\*Measured at customer taps

## Fifth Unregulated Contaminants Monitoring Rule (UCMR-5) (2023)

Unregulated contaminants are those for which the EPA has not established drinking water standards. The purpose of unregulated contaminant monitoring is to assist the EPA in determining the occurrence of unregulated contaminants in drinking water and whether future regulation is warranted. The EPA required MWW to participate in this monitoring.

The current cycle of UCMR-5 includes 29 different types of PFAS compounds, plus lithium. The EPA established required reporting limits for each contaminant that all labs were required to use to ensure the data would be reliable and comparable regardless of which lab analyzed the samples. MWW sent all samples to an external, accredited lab, and all results were below the EPA reporting limits. This means that if the contaminant was present in the water, it was too low of a concentration to reliably measure by EPA's standards.

Contaminant	Result (ppb)	Typical Source
11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	<0.005	Water proofing, fire fighting foam
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	<0.002	Water proofing, fire fighting foam
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	<0.003	Water proofing, fire fighting foam
hexafluoropropylene oxide dimer acid (HFPO DA)	<0.005	Water proofing, fire fighting foam
nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	<0.02	Water proofing, fire fighting foam
perfluorobutanoic acid (PFBA)	<0.005	Water proofing, fire fighting foam
perfluorobutanesulfonic acid (PFBS)	<0.003	Water proofing, fire fighting foam
1H,1H, 2H, 2H-perfluorodecane sulfonic acid (8:2FTS)	<0.005	Water proofing, fire fighting foam
perfluorodecanoic acid (PFDA)	<0.003	Water proofing, fire fighting foam
perfluorododecanoic acid (PFDoA)	<0.003	Water proofing, fire fighting foam
perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	<0.003	Water proofing, fire fighting foam
perfluoroheptanesulfonic acid (PFHpS)	<0.003	Water proofing, fire fighting foam
perfluoroheptanoic acid (PFHpA)	<0.003	Water proofing, fire fighting foam
1H,1H, 2H, 2H-perfluorohexane sulfonic acid (4:2FTS)	<0.003	Water proofing, fire fighting foam
perfluorohexanesulfonic acid (PFHxS)	<0.003	Water proofing, fire fighting foam
perfluorohexanoic acid (PFHxA)	<0.003	Water proofing, fire fighting foam
perfluoro-3-methoxypropanoic acid (PFMPA)	<0.004	Water proofing, fire fighting foam
perfluoro-4-methoxybutanoic acid (PFMBA)	<0.003	Water proofing, fire fighting foam
perfluorononanoic acid (PFNA)	<0.004	Water proofing, fire fighting foam
1H,1H, 2H, 2H-perfluorooctane sulfonic acid (6:2FTS)	<0.005	Water proofing, fire fighting foam
perfluorooctanesulfonic acid (PFOS)	<0.004	Water proofing, fire fighting foam
perfluorooctanoic acid (PFOA)	<0.004	Water proofing, fire fighting foam
perfluoropentanoic acid (PFPeA)	<0.003	Water proofing, fire fighting foam
perfluoropentanesulfonic acid (PFPeS)	<0.004	Water proofing, fire fighting foam
perfluoroundecanoic acid (PFUnA)	<0.002	Water proofing, fire fighting foam
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<0.0048	Water proofing, fire fighting foam
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<0.0057	Water proofing, fire fighting foam
perfluorotetradecanoic acid (PFTA)	<0.0076	Water proofing, fire fighting foam
perfluorotridecanoic acid (PFTrDA)	<0.0067	Water proofing, fire fighting foam
Lithium	<9.0	Naturally occurring

### Milwaukee Water Works maintains an extensive, nationally recognized water quality monitoring program.

The utility tests for more than 500 substances to ensure safe water, increase understanding of how substances affect public health, and meet current and future regulations. This report contains substances that were detected in treated water in 2024. A full list of undetected substances and voluntary sampling can be found under "Resources" at [Milwaukee.gov/WaterQuality](https://www.milwaukee.gov/WaterQuality).



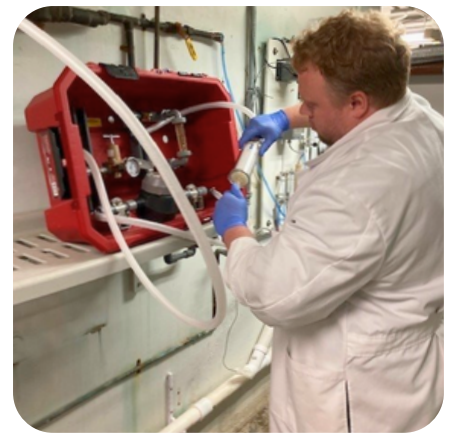


## Cryptosporidium

Cryptosporidium is a microscopic protozoan that, when ingested, can cause diarrhea, fever, and other gastrointestinal symptoms. It comes from human and animal wastes washing into lakes, rivers, and streams. The risk of Cryptosporidium infection from drinking water has been reduced to extremely low levels by an effective treatment combination.

MWW has remained committed to testing Lake Michigan source water and treated water for Cryptosporidium since 1993, even as many utilities and laboratories have discontinued this analysis. No Cryptosporidium, or Giardia were detected in any of the source water or finished drinking water samples collected in 2024

MWW provides a brochure based on EPA and Centers for Disease Control (CDC) guidelines on appropriate means to lessen the risk of infection by Cryptosporidium. Obtain a copy from our Customer Service Center, (414) 286-2830, or at [Milwaukee.gov/WaterQuality](http://Milwaukee.gov/WaterQuality) and scroll down to Resource Links, choose "Information for persons with weakened immune systems."



### Notice to Parents of Infants Six Months of Age or Younger

According to the CDC, the proper amount of fluoride, from infancy and at all ages throughout life, helps prevent and control tooth decay (cavities). Therefore, MWW, following public health recommendations, maintains a level of fluoride in our drinking water that is both safe and effective. The following is an advisory regarding fluoride and young infants:

The American Academy of Pediatrics recommends exclusive breastfeeding for the first six months of a child's life, followed by continued breastfeeding as complementary foods are introduced, for optimal short- and long-term health advantages. For more information, visit:

[pediatrics.aappublications.org/content/129/3/e827](http://pediatrics.aappublications.org/content/129/3/e827).

As of August 31, 2012, Milwaukee water is fluoridated at a level not to exceed 0.7 mg/L. According to the CDC, for infants up to six months of age, if tap water is fluoridated or has substantial natural fluoride (0.7 mg/L or higher) and is being used to dilute infant formula, a parent may consider using a low-fluoride alternative water source. Bottled water known to be low in fluoride is labeled as purified, deionized, demineralized, distilled, or prepared by reverse osmosis. Ready-to-feed (no-mix) infant formula typically has little fluoride and may be preferable at least some of the time. If breastfeeding is not possible, parents should consult a pediatrician about an appropriate infant formula option. Parents should be aware that there may be an increased chance of mild dental fluorosis if the child is exclusively consuming infant formula reconstituted with fluoridated water. Dental fluorosis is a term that covers a range of visible changes to the enamel surface of the tooth.

For more information on dental fluorosis and the use of fluoridated drinking water in infant formula, visit [CDC.gov/fluoridation](http://CDC.gov/fluoridation).

### Information for Those with Compromised Immune Systems and/or Vulnerable Populations

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 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 Environmental Protection Agency's safe drinking water hotline: **(800) 426-4791**.

### Milwaukee Water Works

#### Customer Service Center

Zeidler Municipal Building  
841 N. Broadway, Ofic. 406  
Milwaukee, WI, 53202

**Open M-F, 7:30 a.m. a 5:00 p.m.**

**Phone: (414)286-2830 | TDD: (414) 286-8801**

**24-hour Water Control Center:**  
**(414) 286-3710**

[milwaukee.gov/water](http://milwaukee.gov/water)