

Frenchtown Water 2023

Annual Water Quality



KEEPING YOU INFORMED!

The Frenchtown Charter Township provides your drinking water and is pleased to present you with the Seventeenth annual water quality report. This report follows the guidelines set by the Michigan Department of Environmental, Great Lakes, and Energy (EGLE). Our goal is to provide you with a safe and dependable drinking water supply. This report illustrates that we are achieving our goals.

ONLINE BILL PAYMENTS

The Frenchtown Water System has partnered with Point and Pay services to provide Online payment for your water bills. If you want to pay your bill online, please go to www.frenchtowntownmi.gov/water. We offer payment by credit card or electronic check. The process does have a fee associated with the payment. Please make sure you are only going to the website listed above, there are other companies out there offering to pay your bills. We may or may not receive the payments from them, only pay through our secure site.

WATER QUALITY RESULTS

Frenchtown Township routinely monitors your drinking water according to Federal and State laws. The table in this report shows the results of the monitoring period for January 1st to December 31st, 2023, unless noted. The Frenchtown Water System has 6,421 Service Lines – Zero known Lead Lines.



OUR DRINKING WATER

Our drinking water originates from Lake Erie where it is treated to prevent obstructions from Zebra mussels. Raw Water is then pumped to the Water Treatment Plant. The MDEQ has performed a Source Water Assessment of our water supply. Our source water has been categorized as highly susceptible, given land uses and potential contamination sources within the source water area. If you would like more information on the SWA report, please call the Water Utility Director: Rich Weirich

HEALTH AND SAFETY INFORMATION

Drinking water, including bottled water, may be reasonably expected to contain at least small amounts of some contaminants. The presence of these contaminants does not necessarily pose a health risk.

The sources of both tap and bottled drinking waters include rivers, lakes, streams, ponds, reservoirs, springs and wells. As water travels over the surface of land through the ground, it dissolves naturally occurring minerals and, in some cases, radioactive materials, and can pick up substances resulting from animals and human activity. More information about contaminants and potential health effects can be obtained by calling the United States Environmental Protection Agency's safe drinking water hotline (800) 426-4791.

Contaminants that may be present in source water include:

- Microbial Contaminants, such as viruses and bacteria, may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.
- Inorganic Contaminants, such as salt and metals, can be naturally occurring, or result from urban storm water runoff and residential uses.
- Organic Chemical Contaminates, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and can also come from gas stations, septic systems, and urban or agricultural runoff (i.e. pesticides and herbicides).
- Radioactive Contaminants, which can be naturally occurring or the result of oil and gas production and mining activities.
- Pesticides and herbicides, which may come from a variety of sources such as agriculture, urban storm water runoff, and residential use.

All of these contaminants were below the level of concern in your water. To ensure that tap water is safe, the EPA prescribes regulations which limit the number of certain contaminants in water provided by public water systems. The Food and Drug Administration is in the process of establishing limits for contaminants in bottled water, which must provide the same protection for public health.



DEFINITIONS

Parts per million (ppm) and parts per billion (ppb) –One ppm can be equated to 4 teaspoons of salt in a standard 24-foot backyard pool. One ppb is one teaspoon of salt in an Olympic sized pool.

Maximum Residual Disinfections Level Goal (MRDLG) – The level of drinking water disinfections below which there is no known or expected risk to health.

Maximum Residual Disinfections Level (MRDL) – The highest level of disinfection allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.

Maximum Contaminant Level Goal (MCLG)- The MCLG is the level of contaminant in drinking water below, which there is no known or expected health risk. MCLGs provide a margin of safety.

Maximum Contaminant Level (MCL)- The MCL is the highest level of a contaminant that is allowed in the drinking water. MCLs are set as close to the MCLGs as feasible, using the best available treatment technology. MCLs are set at very stringent levels by the State and Federal government. To understand the possible health effects, a person would have to drink about two liters of water every day at a MCL level for a lifetime to have a one-in –a-million chance of having the associated health effect.

Nephelometric Turbidity Unit (NTU) – measures clarity.

Treatment Technique (TT) – A required process intended to reduce the level of contaminant in drinking water.

Action Level (AL) – The concentration of a contaminant, which, if exceeded, triggers treatment or other required action a water system must follow.

PPT- Parts per Trillion

RAA- Running annual average.

ND – Not detectable at testing limit

Frenchtown Water Department 2023 Water Quality Test Results

The following chart illustrates the levels at which regulated elements were detected during 2023, unless otherwise noted. Please note that some chemicals, such as chlorine and fluoride, are added to the water to improve public health. We are pleased to report that all the detected substances are within Federal and State limits.

Monitored at the Water Treatment Plant

Regulated Elements and Source	Average	Low	High	Maximum Allowed in	Maximum Level Goal
				Drinking Water (MCL)	(MCLG)
Fluoride Added to water to promote strong teeth Discharge of fertilizer and aluminum factories Erosion of natural deposits	0.60 ppm	N/A	N/A	4.0 ppm	4.0 ppm
Chlorine Water additive used to control microbes	0.89 ppm	0.66	1.44	MRDL=4.0 ppm	MRDLG=4.0 ppm
² Turbidity-Soil runoff	0.042 ntu	0.019	0.128	TT	none
Sodium Erosion of natural deposits	13	N/A	N/A	NONE	none
Bromate Formed when Ozone is used to disinfect	RAA 1.33	1.00	2.20	Sample Date Quarterly	Violation No
Cyanide	ND	N/A	N/A	Sample Date Yearly	Violation No

PFAS Reporting- PFOA-Discharge and waste from industrial facilities, stain-resistant treatments. PFOS-Firefighting foam: discharge from electroplating facilities; discharge and waste from industrial facilities

	MCL	Level Detected	Range	Year Sampled	Violation	Typical Source of Contaminant
HFPO-D	370 ppt	ND	N/A	2023	NO	Industrial facilities utilizing the Gen X chemical process.
PFBS	420 ppt	ND	N/A	2023	NO	industrial facilities, stain resistant treatments
PFHxS	51 ppt	ND	N/A	2023	NO	Firefighting foam, industrial facilities
PFHxA	400,000 ppt	2.1	N/A	2023	NO	Firefighting foam, industrial facilities
PFNA	6 ppt	ND	N/A	2023	NO	industrial facilities, breakdown of precursor compounds
PFOS	16 ppt	ND	N/A	2023	NO	firefighting foam, electroplating facilities, industrial
PFOA	8 ppt	ND	N/A	2023	NO	Industrial facilities, stain-resistant treatments

Monitored in the Distribution System

⁴Lead and Copper – Monitored at the Customers’ Taps – We collected samples for lead and copper in 2023, since we met the regulations, we are only required to test every three years.

Inorganic Contaminant subject	Action Limit(AL)	AL	MCLG	Your Water	Range	Year	Sample above AL	Typical Source of Contaminant
Copper (Cu)		15	0	0.3	0.0.9	2023	0	Lead Service Lines, corrosion of Plumbing including fittings and fixtures Erosion of natural deposits.
¹ Lead (Pb)		1.3	0	2	0-4	2023	0	Corrosion of plumbing systems, Erosion of natural deposits.
			Max LRAA	Low	High	MCL	MCLG	
3Total Trihalomethanes –by product of Chlorinated water			48 ppb	26	50.0	80 ppb	0	
Halo Acetic Acids – by product of Chlorinated water			37.43 ppb	17.7	43.1	60 ppb	0	

Additional Monitoring: Unregulated Contaminant

PFBA Detected - 9.8 ppt Range -N/A Sample Year-2023 Comment-Results of monitoring are available upon request.

Unregulated contaminants are those for which the U.S. EPA has not established drinking water standards. Monitoring help the U.S. EPA determine where certain contaminants occur and whether regulations of those contaminants is needed.

Footnotes:

- 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. Frenchtown Water Department is responsible for providing high quality drinking water but 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 at 1-800-426-4791 or at <http://water.epa.gov/drink/info/lead>.
- Turbidity measures the cloudiness of the water. For systems that provide filtration, like Frenchtown, turbidity must never exceed 1 NTU, and must not exceed 0.3 NTU in more than 95% of daily samples in any month. All of our samples were below 0.3. This indicates that our treatment process is working effectively.
- Averages shown for TTHM (Total Trihalomethanes) and HAA5 (Halo Acetic Acids) are the highest locational running annual averages calculated quarterly. Compliance is based on this average.
- Lead and Copper list the number of homes that exceeded the AL instead of a range of detections.

Frenchtown Water Department Information

Frenchtown Department of Public Works:

Frenchtown Water Distribution has been merged into the new Township Department of Public Works. We will be working to continue to provide excellent service to all our water customers as well as beautifying the Township parks and local roads. Below is some of the equipment you will see working around the Township.



Information for people with Special Health Concerns:

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 system disorders, some elderly, and infants can be particularly at risk from infection. 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 also available from the Safe Drinking Water Hotline (800) 426-4791.

IMPORTANT CONTACTS

Frenchtown Water Plant: (734) 289-1015 Water Billing (734) 242-5902

Frenchtown Charter Township: (734) 242-3282

EPA Safe Drinking Water Hotline: 800-426-4791

EPA Website: www.epa.gov/safewater

Michigan EGLE Website: www.michigan.gov/EGLE

Frenchtown Charter Township Web Site: www.frenchtownmi.gov

Frenchtown Water Plant business hours: 8am– 4pm

All Water Department emergencies can be reported 7 days a week, 24 hours a day @ **734-289-1015**. One of our water treatment operators will dispatch a distribution service worker to handle the problem.

