

To understand the possible health effects described for many regulated contaminants, a person would have to drink 2 liters of water every day at the MCL level for a lifetime to have a one-in-a-million chance of having the described health effect.

The data presented in this report are from the most recent testing done in accordance with administrative regulations in 401 KAR Chapter 8. As authorized and approved by EPA, the State has reduced monitoring requirements for certain contaminants to less often than once per year because the concentrations of these contaminants are not expected to vary significantly from year to year. Some of the data in this table, though representative, may be more than one year old. **Copies of this report are available upon request by contacting our office during business hours.**

A= Maysville Utility Commission (KY0810275) B= Western Fleming County Water District (KY0910675)

Regulated Contaminant Test Results

Contaminant [code] (units)	MCL	MCLG	Source	Report Level	Range of Detection	Date of Sample	Violation	Likely Source of Contamination
Inorganic Contaminants								
Barium [1010] (ppm)	2	2	A= B=	0.033 0.018	0.033 to 0.033 0.018 to 0.018	Feb-23 Jun-23	No No	Drilling wastes; metal refineries; erosion of natural deposits
Fluoride [1025] (ppm)	4	4	A= B=	0.54 0.43	0.54 to 0.54 0.43 to 0.43	Feb-23 Jun-23	No No	Water additive which promotes strong teeth
Nitrate [1040] (ppm)	10	10	A= B=	0.829 0.228	0.829 to .829 0.228 to 0.228	Feb-23 Feb-23	No No	Fertilizer runoff; leaching from septic tanks, sewage; erosion of natural deposits

Synthetic Organic Contaminants including Pesticides and Herbicides

Atrazine [2050] (ppb)	3	3	A=	BDL	BDL to 0.8	Jun-23	No	Runoff from herbicide used on row crops
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Disinfection Byproducts Precursor

Total Organic Carbon (ppm) (report level=lowest avg. range of monthly ratios)	TT*	N/A	A= B=	1.46 1.47	1.08 to 2.14 1.16 to 2.1	2023 2023	No No	Naturally present in environment.
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*Monthly ratio is the % TOC removal achieved to the % TOC removal required. Annual average must be 1.00 or greater for compliance.

Other Constituents

Turbidity (NTU) TT *Representative samples	Allowable Levels	Source	Highest Single Measurement	Lowest Monthly %	Violation	Likely Source of Turbidity
Turbidity is a measure of the clarity of the water and not a contaminant.	No more than 1 NTU* Less than 0.3 NTU in 95% monthly samples	A= B=	0.146 0.055	100 100	No No	Soil runoff

BUFFALO TRAIL WATER ASSOCIATION (KY0810046)

Regulated Contaminant Test Results

Disinfectants/Disinfection Byproducts

Chlorine (ppm)	MRDL = 4	MRDLG = 4	BT	1.50 (highest average)	0.8 to 1.89	2023	No	Water additive used to control microbes.
HAA (ppb) (Stage 2) [Haloacetic acids]	60	N/A	BT	53 (average)	20 to 51 (range of individual sites)	2023	No	Byproduct of drinking water disinfection
TTHM (ppb) (Stage 2) [total trihalomethanes]	80	N/A	BT	59 (average)	37 to 91 (range of individual sites)	2023	No	Byproduct of drinking water disinfection.

Household Plumbing Contaminants

Copper [1022] (ppm) sites exceeding action level 0	AL = 1.3	1.3	BT	0.229 (90 th percentile)	0.01 to 0.341	Sep-23	No	Corrosion of household plumbing systems
Lead [1030] (ppb) sites exceeding action level 0	AL = 15	0	BT	0 (90 th percentile)	0 to 2	Sep-23	No	Corrosion of household plumbing systems

Unregulated Contaminants (UCMR 5)

	average	range (ppb)	date
Lithium	A= 3.25	0 to 13	May-23

Your drinking water has been sampled for a series of unregulated contaminants. Unregulated contaminants are those that EPA has not established drinking water standards. There are no MCLs and therefore no violations if found. The purpose of monitoring for these contaminants is to help EPA determine where the contaminants occur and whether they should have a standard. As our customers, you have a right to know that these data are available. If you are interested in examining the results, please contact our office during normal business hours.

Contaminant		Average		Range of Detection	
				to	
Fluoride (added for dental health)	A=	0.7	0.57	to	1.02
	B=	0.9	0.54	to	1.07
Sodium (EPA guidance level = 20 mg/L)	A=	23.6	23.6	to	23.6
	B=	7.7	7.68	to	7.68

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, people in apartments, nursing homes, schools, and businesses). You can do this by posting this notice in a public place or distributing copies by hand or mail.