

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

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=	0.032 0.02	0.032 to 0.032 0.02 to 0.02	Jan-22 May-22	No No	Drilling wastes; metal refineries; erosion of natural deposits
Fluoride [1025] (ppm)	4	4	A= B=	0.73 0.85	0.73 to 0.73 0.85 to 0.85	Jan-22 May-22	No No	Water additive which promotes strong teeth
Nitrate [1040] (ppm)	10	10	A= B=	0.785 0.303	0.785 to 0.785 0.303 to 0.303	Jan-22 Jan-22	No No	Fertilizer runoff; leaching from septic tanks, sewage; erosion of natural deposits

Disinfection Byproducts Precursor

Total Organic Carbon (ppm) (report level=lowest avg. range of monthly ratios)	TT*	N/A	A= B=	1.33 1.52	1 to 1.65 1.13 to 4	2022 2022	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=	0.22 0.066	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	1.51 (highest average)	0.98 to 1.84	2022	No	Water additive used to control microbes.
HAA (ppb) (Stage 2) [Haloacetic acids]	60	N/A	BT	51 (average)	27 to 72 (range of individual sites)	2022	No	Byproduct of drinking water disinfection
TTHM (ppb) (Stage 2) [total trihalomethanes]	80	N/A	BT	63 (average)	26 to 89 (range of individual sites)	2022	No	Byproduct of drinking water disinfection.

Household Plumbing Contaminants

Copper [1022] (ppm) sites exceeding action level 0	AL = 1.3	1.3	BT	0.102 (90 th percentile)	0.009 to 0.281	Sep-20	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-20	No	Corrosion of household plumbing systems

Fluoride (added for dental health)	Average	Range of Detection	
	A= B=	0.9 0.9	0.39 to 1.14 0.34 to 1.08
Sodium (EPA guidance level = 20 mg/L)	A= B=	20.7 7.37	20.7 to 20.7 7.37 to 7.37

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.