

2023 WATER QUALITY REPORT FOR FAYETTE WATER SUPPLY

This report contains important information regarding the water quality in our water system. The source of our water is groundwater. Our water quality testing shows the following results:

CONTAMINANT	MCL - (MCLG)	Compliance		Date	Violation	Source
		Type	Value & (Range)			
Total Trihalomethanes (ppb) [TTHM]	80 (N/A)	LRAA	14.00 (14-14)	09/30/2023	No	By-product of drinking water chlorination
Total Haloacetic Acids (ppb) [HAA5]	60 (N/A)	LRAA	5.00 (5-5)	09/30/2020	No	By-products of drinking water disinfection
Copper (ppm)	AL=1.3 (1.3)	90th	0.381 (0.0267 - 0.550)	2021	No	Corrosion of household plumbing systems; Erosion of natural deposits; Leaching from wood preservatives
Lead (ppb)	AL=15 (0)	90th	ND	2021	No	Corrosion of household plumbing systems; erosion of natural deposits
950 - DISTRIBUTION SYSTEM						
Chlorine (ppm)	MRDL=4.0 (MRDLG=4.0)	RAA	1.0 (0.35 - 1.52)	12/31/2024	No	Water additive used to control microbes
01 - FINISHED WATER TAP, #2						
Gross Alpha, inc (pCi/L)	15 (0)	SGL	3.4	01/05/2021	No	Erosion of natural deposits
Combined Radium (pCi/L)	5 (0)	RAA	4.09	11/07/2022	No	Erosion of natural deposits
Barium (ppm)	2 (2)	SGL	0.0344	04/05/2022	No	Discharge of drilling Waste; Discharge from metal refineries; Erosion of natural deposits
Fluoride (ppm)	4 (4)	SGL	0.5	04/05/2022	No	Water additive which promotes strong teeth; Erosion of natural deposits; Discharge from fertilizer and aluminum factories
Sodium (ppm)	N/A (N/A)	SGL	11	04/05/2022	No	Erosion of natural deposits: Added to water during treatment process
Manganese (Mg/L)	N/A	SGL	0.0079	05/08/2016	No	Erosion of natural deposits
02 - FINISHED WATER TAP, #3						
Gross Alpha, inc (Ci/L)	15 (0)	SGL	7.2	01/23/2018	No	Erosion of natural deposits
Combined Radium (pCi/L)	5 (0)	SGL	4.2	01/05/2021	No	Erosion of natural deposits
Barium (ppm)	2 (2)	SGL	0.0373	04/05/2022	No	Discharge of drilling Waste; Discharge from metal refineries; Erosion of natural deposits

Sodium (ppm)	N/A (N/A)	SGL	11.5	04/05/2022	No	Erosion of natural deposits; Added to water during treatment process
Fluoride (ppm)	4 (4)	SGL	0.5	04/05/2022	No	Water additive which promotes strong teeth; Erosion of natural deposits; Discharge from fertilizer and aluminum factories

Note: Contaminants with dates indicate results from the most recent testing done in accordance with regulations.

DEFINITIONS

- 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.
- 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.
- ppb parts per billion.
- ppm parts per million.
- pCi/L — picocuries per liter
- N/A — Not applicable
- ND Not detected
- RAA — Running Annual Average
- Treatment Technique (TT) A required process intended to reduce the level of a contaminant in drinking water.
- Action Level (AL) — The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.
- 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 contaminants
- Sgl - Single sample result
- RTCR – Reviser total coliform rule
- NTU – Nephelometric Turbidity Units