City of Pikeville
Water Quality Report for year 2022

KY0980350

306 Island Creek Road
Pikeville, KY 41501

Meetings: City Hall Meeting Room
Meeting Dates and Time: 2nd and 4th Mondays 6:00 PM

Manager: **Donnie Slone**
Phone: **606-437-5114**

CCR Contact: **Ralph Varney**
Phone: **606-262-4230**

This report is designed to inform the public about the quality of water and services provided on a daily basis. Our commitment is to provide our customers with a safe, clean, and reliable supply of drinking water. We want to assure that we will continue to monitor, improve, and protect the water system and deliver a high quality product. Water is the most indispensable product in every home and we ask everyone to be conservative and help us in our efforts to protect the water source and the water system.

We at Utility Management Group Pikeville treat surface water from the Levisa Fork of the Big Sandy River. Activities and land uses upstream of Pikeville Water Department source of water can pose potential risks to your drinking water. The area is highly influenced by commercial and industrial businesses, traffic flow on US 23, and the location of major railways. Pikeville Water Department is subjected to non-point pollution from various activities such as agriculture, mining and road construction. Within the greater source water protection area potential contaminant sources of concern include 3 major roads, 1 railroad, 4 small sewage plants, 1 active contained landfill, 1 active superfund site, 9 bridges and culverts, and 3 points of active mining activity. Each of these potential sources of contamination is rated high in a susceptibility analysis because of the contaminant type, their proximity to the intake, and the high chance of release. The complete source water assessment can be found at the Big Sandy Area Development District, the Pike County Judge's office, and the Pikeville/Pike County public library.

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 may be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline (800-426-4791).

The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. 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 may pick up substances resulting from the presence of animals or from human activity. Contaminants that may be present in source water include: Microbial contaminants, such as viruses and bacteria, (sewage plants, septic systems, livestock operations, or wildlife). Inorganic contaminants, such as salts and metals, (naturally occurring or from stormwater runoff, wastewater discharges, oil and gas production, mining, or farming). Pesticides and herbicides, (stormwater runoff, agriculture or residential uses). Organic chemical contaminants, including synthetic and volatile organic chemicals, (by-products of industrial processes and petroleum production, or from gas stations, stormwater runoff, or septic systems). Radioactive contaminants, (naturally occurring or from oil and gas production or mining activities).

In order to ensure that tap water is safe to drink, 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 to provide the same protection for public health.

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 system 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 Safe Drinking Water Hotline (800-426-4791).

Some or all of these definitions may be found in this report:

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.

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 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 contaminants.

Below Detection Levels (BDL) - laboratory analysis indicates that the contaminant is not present.

Not Applicable (N/A) - does not apply.

Parts per million (ppm) - or milligrams per liter, (mg/l). One part per million corresponds to one minute in two years or a single penny in $10,000.

Parts per billion (ppb) - or micrograms per liter, (µg/L). One part per billion corresponds to one minute in 2,000 years, or a single penny in $10,000,000.

Parts per trillion (ppt) - one part per trillion corresponds to one minute in 2,000,000 years, or a single penny in $10,000,000,000.

Parts per quadrillion (ppq) - one part per quadrillion corresponds to one minute in 2,000,000,000 years or one penny in $10,000,000,000,000.

Picocuries per liter (pCi/L) - a measure of the radioactivity in water.

Millirems per year (mrem/yr) - measure of radiation absorbed by the body.

Million Fibers per Liter (MFL) - a measure of the presence of asbestos fibers that are longer than 10

Nephelometric Turbidity Unit (NTU) - a measure of the clarity of water. Turbidity has no health effects. However, turbidity can provide a medium for microbial growth. Turbidity is monitored because it is a good indicator of the effectiveness of the filtration system.

Variances & Exemptions (V&E) - State or EPA permission not to meet an MCL or a treatment technique under certain conditions.

Action Level (AL) - the concentration of a contaminant which, if exceeded, triggers treatment or other requirements that a water system shall follow.

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

Information About Lead:

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. The City of Pikeville is responsible for providing high quality drinking water and removing lead pipes, but cannot control the variety of materials used in plumbing components in your home. You share the responsibility for protecting yourself and your family from the lead in your home plumbing. You can take responsibility by identifying and removing lead materials within your home plumbing and taking steps to reduce your family's risk. Before drinking tap water, flush your pipes for several minutes by running your tap, taking a shower, doing laundry or a load of dishes. You can also use a filter certified by an American National Standards Institute accredited certifier to reduce lead in drinking water. If you are concerned about lead in your water and wish to have your water tested, contact Utility Management Group at (606)-262-4230. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available at http://www.epa.gov/safewater/lead.

SODIUM	
6.39	During the year of 2022 sodium testing was performed in our system. Even though this is only from 1 test during the year knowing the amount of sodium found in our water may be beneficial to some of our customers.
MG/L	
20 mg/L is considered ideal.	

Spanish (Español) Este informe contiene información muy importante sobre la calidad de su agua beber. Tradúzcalo o hable con alguien que lo entienda bien.

2022 Consumer Confidence Report

We test our drinking water as required by the state and federal regulations. This report shows the results of monitoring

WATER QUALITY TABLES

Table of Lead and Copper Detections

Contaminant (units)	Action Level (AL)	MCLG	# of Individual Taps over AL	90% of taps tested were less than	Range of Samples	In Compliance?	Typical Source of Contamination
Copper [1022] (ppm)	1.3 ppm	1.3 ppm	0	0.012	0 to 0.050	YES	Corrosion of household plumbing systems; erosion of natural deposits
2021	_0__ out of _33__ taps were found to have copper levels in excess of the copper action level of 1.3 ppm						

Table of Disinfectants/Disinfection Byproducts and Precursors

Contaminant (*units*)	MCLG or MRDLG	MCL, TT*, or MRDL	Level Detected	Range	In Compliance?	Sample Year	Typical Source
Total Organic Carbon (*ppm*) (measured as ppm but reported as ratio)	N/A	TT	1.05 (*lowest average ratio*)	1.00 to 1.53 (*monthly removal ratios*)	YES ***1**	2022	Naturally present in the environment
Chlorine (*ppm*)	4	4	1.24 (*highest average*)	0.2 to 1.98	YES	2022	Water additive used to control microbes
HAA (*ppb*) *[Haloacetic acids]*	N/A	60	15 (*high site average*)	8 to 20	YES	2022	Byproduct of drinking water disinfection
TTHM (*ppb*) [*total trihalomethanes*]	N/A	80	67 (*high site average*)	13 to 99	YES	2022	Byproduct of drinking water disinfection

*Monthly ratio is the % TOC removal achieved to the % TOC removal required. Annual average must be 1.00 or greater for

Table of Detected Regulated Contaminants

Contaminant (units)	MCLG	MCL	Highest Level Detected	Range of Detected Levels	In Compliance?	Sample Year	Typical Source of Contaminant
Inorganic Contaminants							
Barium [1010] (ppm)	2	2	0.092	0.092 to 0.092	YES	2022	Drilling wastes; metal refineries; erosion of natural deposits
Fluoride [1025] (ppm)	4	4	0.65	0.65 to 0.65	YES	2022	Water additive which promotes strong teeth
Other Constituents							
*Turbidity (NTU) TT**	Allowable Levels		Highest Single Measurement	Lowest Monthly % Samples Meeting Limit	In Compliance?		Likely Source of Turbidity
Representative samples of our filtered water	No more than 1 NTU Less than 0.3 NTU in 95% of monthly samples		0.23	100.0	YES		Soil Runoff

Turbidity is a measure of the cloudiness of water and is an indication of the effectiveness of our filtration system.

***1 Pikeville uses alternative TOC compliance and is in compliance.**