Mark Midose
7681 Wildhorn Drive

Re: **Consumer Notice of Tap Water Result**

Dear Consumer:

Bloomfield Water Co. is a public water system (PWS) responsible for providing drinking water that meets state and federal standards. A drinking water sample for lead was collected at this location and the result is:

Amount of Lead in Water: < 5 µg/L

Action Level for Lead: 15 micrograms per liter (µg/L)

Location of sample: Kitchen Sink

Sample collection date: 8/29/2024

Your tap water lead result was **"less"** than 15 µg/L.

What Does This Mean?

Under the authority of the Safe Drinking Water Act, the US Environmental Protection Agency (EPA) established the action level for lead in drinking water at 15 µg/L. This means PWSs must ensure that water from taps used for human consumption do not exceed this level in at least 90 percent of the sites sampled (90th percentile value). The action level is the concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a PWS must follow.

In 2018, Ohio EPA established the threshold level for lead in drinking water at 15 µg/L. The lead threshold level is the concentration of lead in an individual tap water sample which, if exceeded, triggers additional notification requirements for those served by the tap sampled.

Because lead may pose serious health risks, US EPA established a Maximum Contaminant Level Goal (MCLG) of zero for lead. The MCLG is the level of a contaminant in drinking water below which there is no known or expected risk to health, allowing for a margin of safety.

What are the Health Effects of Lead?

Lead can cause serious health problems if too much enters your body from drinking water or other sources. It can cause damage to the brain and kidneys, and can interfere with the production of red blood cells that carry oxygen to all parts of your body. The greatest risk of lead exposure is to infants, young children, and pregnant women. Scientists have linked the effects of lead on the brain with lowered IQ in children. Adults with kidney problems and high blood pressure can be affected by low levels of lead more than healthy adults. Lead is stored in the bones, and it can be released later in life. During pregnancy, the child receives lead from the mother's bones, which may affect brain development.

Where Can I Get Health Screenings and Testing of Blood Lead Levels?

The following statement can be used:
Health Screenings are available through your Doctor.

What Can I Do to Reduce Exposure to Lead if Found in My Drinking Water?

- ***Run your water to flush out lead.*** If water has not been used for several hours, run water for thirty seconds to three minutes before using it for drinking or cooking. This helps flush any lead in the water that may have been leached from the plumbing.
- ***Use cold water for cooking and preparing baby formula.*** Do not cook with, drink water, or make baby formula from the hot water tap. Lead dissolves more easily in hot water.
- ***Do not boil water to remove lead.*** Boiling water will not reduce lead.
- ***You may wish to test your water for lead at additional locations in your home.***
- ***Identify if your plumbing fixtures contain lead and consider replacing them when appropriate.***

What are the Sources of Lead?

Lead is a common, natural, toxic, and often useful metal that was used for years in products found around the home. It can be found throughout the environment in lead-based paint, air, soil, household dust, and certain types of pottery, porcelain, and pewter. Although most lead exposure, especially in children, occurs when paint chips are ingested, dust inhaled, or absorbed from contaminated soil, the US EPA estimates that 10 to 20 percent of human exposure of lead may come from lead in drinking water.

Lead is unusual among drinking water contaminants in that it seldom occurs naturally in water supplies like rivers and lakes. Lead enters drinking water primarily as a result of corrosion, or wearing away, of materials containing lead in the plumbing. Buildings built prior to 1986 are more likely to have lead pipes, fixtures, and solder. New buildings can also be at risk, since even legally 'lead-free' plumbing may contain up to 8 percent lead. The most common problem is with brass or chrome-plated brass fixtures which can leach significant amounts of lead into water, especially hot water.

For More Information, Please Contact: Insert contact information for your PWS; visit US EPA's Web site at www.epa.gov/lead; call the National Lead Information Center at 800-424-LEAD; or contact your health care provider.

TABLE OF DETECTED CONTAMINANTS

Contaminants (Units)	MCLG	MCL	Level Found	Range of Detections	Violation	Sample Year	Typical Source of Contaminants
Disinfectant and Disinfectant By-Products							
Total Chlorine (ppm)	MRDLG = 4	MRDL = 4	1.27	.71-1.95	No	2024	Water additive used to control microbes
Haloacetic Acids (HAA5) (ppb)	N/A	60	6.6	6.6-nt	No	2024	By-product of drinking water disinfection
Total Trihalomethanes (TTHM) (ppb)	N/A	80	1.8	1.8-1.1	No	2024	By-product of drinking water disinfection
Inorganic Contaminants							
Fluoride (ppm)	4	4	0.286	0.286	No	2024	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories
Barium (ppm)	2	2	0.91	0.9	No	2024	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits
Nitrate (ppm)	10	10	nt	nt	No	2024	Run off from fertilizer use, Leaching from septic tanks, sewage; Erosion of natural deposits
Lead and Copper							

Contaminants (units)	Action Level (AL)	MCLG	Individual Results over the AL	90% of test levels were less than	Violation	Year Sampled	Typical source of Contaminants
Lead (ppb)	15 ppb	0 ppb	0	<5	No	2024	Corrosion of household plumbing systems; erosion of natural deposits
	_0__ out of __5__ samples were found to have lead levels in excess of the lead action level of 15 ppb.						
Copper (ppm)	1.3 ppm	1.3 ppm	0	0.429	No	2024	Erosions of natural deposits; leaching from wood preservatives; Corrosions of household plumbing systems
	__0 out of __5__ sampleswere found to have copper levels in excess of the copper action level of 1.3 ppm.						

Section 21: Definitions of some terms contained within this report.
{Mandatory Definitions}

- 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 Contaminant level (MCL): The highest level of contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.

Definitions Required if term is used within the CCR. (Required if applicable)

- 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 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
- Action Level (AL): The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.
    - Treatment Technique (TT): A required process intended to reduce the level of a contaminant in drinking water.
- Contact Time (CT) means the mathematical product of a "residual disinfectant concentration" (C), which is determined before or at the first customer, and the corresponding "disinfectant contact time" (T).
    - N/A: not applicable

Include definitions for any term used in the report that is not considered "every-day" language. The following definitions are only required if used in the report.

- Parts per Million (ppm) or Milligrams per Liter (mg/L) are units of measure for concentration of a contaminant. A part per million corresponds to one second in a little over 11.5 days
- Parts per Billion (ppb) or Micrograms per Liter (µg/L) are units of measure for concentration of a contaminant. A part per billion corresponds to one second in 31.7 years.
- The "<" symbol: A symbol which means less than. A result of <5 means that the lowest level that could be detected was 5 and the contaminant in that sample was not detected.