

Lead and copper results July-December 2023

City of Columbia Water & Light has received the results from the second and final round of required lead and copper water sampling for 2023. Results show that the City remains in compliance with the lead and copper action levels established by the Environmental Protection Agency (EPA).

Water & Light collected 100 samples that were tested by the Missouri Department of Natural Resources (MDNR). All of the residences sampled were single-family homes or multi-family residences with known lead service lines, lead interior pipes or lead solder that joins copper pipes.

In accordance with the Safe Drinking Water Act, utilities must ensure that water from the customer's tap does not exceed the action level for lead or copper in at least 90% of the homes sampled. The action level is the concentration of a contaminant which, if exceeded, triggers treatment or other requirements that a water system must follow.

The EPA's action level for lead is 15 parts per billion (ppb). Of the 100 samples Water & Light submitted to MDNR in September and October, there were no samples that exceeded the action

level. Ninety percent of the samples were at 3.25 ppb or below.

Of Water & Light's 100 samples:

- 57 had no detectable lead.
- 43 had lead detected below the action level.
- 0 had lead that exceeded the action level.

Everyone who participated has received a letter detailing the results of their analysis.

The EPA's action level for copper is 1,300 ppb. All 100 Water & Light samples tested below the action level. Ninety percent of the samples were at 130 ppb or below.

There is no detectable lead in the water the City provides to its customers. Lead enters drinking water primarily as a result of corrosion of household plumbing materials, including lead-based solder used to join copper pipes, brass and chrome-plated faucets and, in some cases, pipes made of lead that connect houses to the water main. Historically, Water & Light has not seen elevated amounts of lead and copper in testing results from customers' homes because Columbia's water is very stable.

Missouri Department Of Natural Resources
Water Protection Program
Public Drinking Water Branch
P.O. Box 176
Jefferson City, MO 65102
(573)751-5331

Lead and Copper 90th Percentile Report

PWS Name : CITY OF COLUMBIA UTILITIES
Mail to : DEIDRA MC CLENDON
1501 BUSINESS LOOP 70 EAST

PWS ID : MO3010181
County : BOONE

COLUMBIA MO 65201

Please notify us of any
name and address changes

Monitoring Period Start Date 07/01/2023

Monitoring Period End Date 12/31/2023

	Number of Samples	Level	Unit of Measure
Copper 90th Percentile	100	130	µ g/L
Lead 90th Percentile	100	3.25	µ g/L

This report is being sent due to revisions to the Lead and Copper Rule that require the Department of Natural Resources to report the lead and copper 90th percentiles to public water supply systems. Individual sample results are included in this mailing.

A level of 0 indicates that the 90th percentile was below the detection limits.

If the copper 90th percentile level is over 1300 micrograms per liter (µ g/L) or the lead 90th percentile level is over 15 micrograms per liter (µg/L), your water system has exceeded the action level for one or both of these contaminants. No action is necessary unless action levels were exceeded.

Thursday, November 2, 2023