



WATER TREATMENT PLANT

2024 RESIDENTAL LEAD AND COPPER TESTING

The EPA's Lead and Copper Rule (LCR) was established in 1991. The rule requires public water agencies, such as Antioch to monitor and report lead and copper in drinking water that may result from corrosion of household plumbing or water distribution components.

According to the Lead and Copper Rule (LCR), corrective action and public notification are required if lead concentrations exceed 15 parts per billion (ppb) or copper concentrations exceed 1.3 parts per million (ppm) **in more than 10% of customer taps sampled.** We are happy to announce that the City of Antioch's results are significantly below this 10% threshold, demonstrating full compliance with the LCR.

In September 2024, we delivered sample bottles to 58 participating residences throughout the City of Antioch. The following day, we collected the samples and sent them to a certified laboratory for testing.

2024 Results:

Test	Range	Average	Action Level	Exceedances
Lead (µg/L)	ND – 31	ND	15	2
Copper (mg/L)	0.051 - 0.160	ND	1.3	0

Since 2000, 472 samples have been collected. Historically, all results have been below US EPA Action Levels. The only two exceptions were due to sampling errors (2024) - excessive water stagnation (exceeding the 12-hour maximum).

Lead can leach into drinking water from lead-containing pipes or fixtures as a result of corrosion. The City of Antioch maintains a slightly alkaline pH in its water supply to help prevent any lead that might be present from leaching into the tap water.

Lead may be present in older homes, especially those with plumbing installed before 1986 with lead solder.

We want to thank all the City residents that participated in this year's study. The next City-wide sampling event will take place in 2027. If your home was built between 1983 and 1988 and you would like to participate, please contact us at ikagin@antiochca.gov.

For more information about your drinking water:

City of Antioch's Annual Water Quality Report: <https://www.antiochca.gov/fc/finance/water/AWQR.pdf>

EPA Safe Drinking Water Hotline at (800) 426-4791 or online at www.epa.gov/safewater/lead

Centers for Disease Control and Prevention <http://www.cdc.gov/nceh/lead>

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PUBLIC WORKS DEPARTMENT



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