

Table of Detected Contaminants

Lead & Copper in the Distribution System

Contaminant	Violation Yes/No	Date(s) of Sampling	Average Level found (Range)	90th Percentile Value	Units Measured	MCLG	Regulatory Limit (MCL, TT, or AL)	Likely Source of Contamination
Copper	No	Jun-July 2019	0.0831 (ND-0.5290)	0.226	mg/L	0	AL = 1.3*	Corrosion of household plumbing systems; Erosion of natural deposits. Leaching from wood preservatives.
Lead	No	Jun-July 2019	2.8 (ND- 91.7)**	4.7	ug/L	0	AL = 15*	Corrosion of household plumbing systems; Erosion of natural deposits.

*AL (Action Level) – Only 10% of samples can exceed this level.

**91.7 ug/L abnormally high result. Homeowner was contacted several times for resampling with no response. 20.8 ug/L was the next highest level.

About Lead and Copper:

In order to deter the leaching of lead and/ or copper from our customers' pipes, OCWA has been mandated to implement corrosion control. Lead & Copper Sampling is required every 3 years. OCWA will sample again in 2022.

The method of corrosion control used on waters originating from Otisco and Skaneateles lakes is the addition of orthophosphate. The adjustment of pH is the method used for Ontario water. OCWA's latest sampling period was in June - July of 2019 when OCWA sampled and tested customers' taps to make sure the corrosion controls were effective.

90th Percentile Values for Lead & Copper: The values reported for lead and copper represent the 90th percentile. The 90th percentile value is the concentration that 90% of the taps sampled were at or below. Since the Action Level for Lead is 15 ug/l, 90% of the taps tested had to be at or below this value. As you can see from the above chart, 90% of the taps tested were at or below 4.7 ug/l in June - July of 2019. The Action Level for Copper is 1.3 mg/l. The observed 90th percentile for Copper was 0.23 mg/l. Of the 113 samples that OCWA tested in June - July of 2019, only two samples exceeded the action level for lead. No samples exceeded the action level for copper.

The testing showed that our methods of corrosion control are working.