



Cairo

Typical Water Quality Information

PWSID Number: 0035030

Area Served: Cairo

Where Does My Water Come From?

Ohio River

Average amount of water supplied to customers on a daily basis

1 million gallons per day

Parameter	Average or Range	Comments
pH	7.0	A measure of the acid/base properties of water
Total Hardness (as CaCO ₃)	100 - 150 mg/L	Naturally calcium / magnesium content in the water
Total Hardness (as CaCO ₃)	5.8 – 8.8 grains per gallon	Naturally calcium / magnesium content in the water
Fluoride	0.52 – 0.82 mg/L	Naturally occurring from erosion of natural deposits and water additive, MCL = 4.0 mg/L
Sodium	11 mg/L	Naturally occurring from erosion of natural deposits
Iron	<0.1 mg/L	Naturally occurring from erosion of natural deposits Secondary Standard Limit = 0.3 mg/L
Manganese	<0.015 mg/L	Naturally occurring from erosion of natural deposits
Type of disinfection	NA	Free Chlorine/Chloramination

Parameter	Average or Range	Comments
Disinfectant residual level leaving the treatment plant (average)	3.0 mg/L	Water additive to control microbes
Disinfectant residual level in the distribution system	1.9 – 3.4 mg/L	Max Residual Disinfectant Level Running Annual Avg. = 4.0 mg/L
Lead [90 th percentile result]	2 ug/L	Corrosion of household plumbing Action Level = 15 ug/L
Copper [90 th percentile result]	0.442 mg/L	Corrosion of household plumbing Action Level = 1.3 mg/L
Nitrate	1.54 mg/L	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits MCL = 10 mg/L
Arsenic	<1 ug/L	MCL = 10 ug/L
Zinc	0.369 mg/L (ppm)	Erosion from naturally occurring deposits; Water treatment additive

Definitions

- mg/L – milligrams per liter; one milligram per liter is equal to one part per million (ppm), which is approximately the same as 1 second in 11.5 days
- ug/L – micrograms per liter; one microgram per liter is equal to one part per billion (ppb), which is approximately the same as 1 second in 31.7 years
- N/A – not applicable
- ND – not detected
- MCL – Maximum Contaminant Level – the highest level of a contaminant allowed in drinking water under State and Federal regulations

For a complete report of your water quality, please refer to the Water Quality Report located on the American Water web site

For more information about water quality in your area, please contact Sarah Boyd, Water Quality Supervisor at 1-618-874-2408

Other inquiries should be directed to our Customer Service Center at 800-422-2782