



Bel Air

Typical Water Quality Information

PWSID Number: MD 0120003

Area Served: Bel Air, MD (zip codes: 21014, 21015, and 21050)

Where Does My Water Come From?

The sources of supply for the Town of Bel Air and portions of Harford County are Winters Run (a surface supply) and two (2) wells. Intakes along the banks of Winters Run bring water into the treatment plant. Our water supply is part of the Bush River Basin with the watershed for Winters Run covering an area of roughly 35 square miles. Much of the watershed is agricultural. Also adjacent to the banks of Winters Run is a source water well which is also treated at the plant. We have an additional well located on property owned by the Town of Bel Air's Department of Public Works. This well water is treated on site and directly pumped into the distribution system.

There is also an interconnection with the Harford County water system, from which we purchase treated water as needed. The supply sources for Harford County water system are the Loch Raven Reservoir, the Susquehanna River and seven wells in the area.

Average amount of water supplied to customers on a daily basis

1.6 million gallons per day

Parameter	Average or Range	Comments
pH	7.2	Measure of the acid/base properties of water
Total Hardness (as CaCO ₃)	208	Natural calcium / magnesium content in the water
Fluoride	0.04 - 0.95 mg/L	Naturally occurring and water additive, MCL = 4.0 mg/L
Sodium	13.0 – 79.3 mg/L	Naturally occurring from erosion of natural deposits No MCL – Informational only
Iron	ND	Naturally occurring Secondary Standard Limit = 0.3 mg/L

Parameter	Average or Range	Comments
Manganese	ND	Naturally occurring from erosion of natural deposits
Type of disinfection	Chlorine	Chloramines
Disinfectant residual level leaving the treatment plant (average)	0.4 – 2.8mg/L	Water additive to control microbes
Disinfectant residual level in the distribution system	1.7 mg/L (average)	Max Residual Disinfectant Level 2.8 mg/L
Lead [90 th percentile result], (based on 2008 results)	1 ug/L	Corrosion of household plumbing; erosion of natural deposits Action Level = 15 ug/L
Copper [90 th percentile result], (based on 2008 results)	0.195 mg/L	Corrosion of household plumbing; erosion of natural deposits Action Level = 1.3 mg/L
Nitrate	1.14-4.26 mg/L	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits MCL = 10 mg/L
Arsenic	ND	MCL = 10 ug/L
Barium	0.03 - 0.09 mg/l	MCL = 2 mg/l

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 Christian Volk at 804-458-6821 x 1209

Other inquiries should be directed to our Customer Service Center at 1- 800-452-6863