



# West Virginia American Water

## Kanawha Elk River Water Treatment Plant

### Typical Water Quality Information

**PWSID Number:** WV 3302016

**Area Served:** Counties of Kanawha, Mason, Putnam, Lincoln, Boone, Logan, Cabell, Fayette, Clay, Jackson and Roane

#### Where Does My Water Come From?

Elk River

#### Average amount of water supplied to customers on a daily basis

25 million gallons per day

Parameter	Average or Range	Comments
pH	7.0 – 7.5	pH is a measure of the acid/base properties of water
Total Hardness (as CaCO <sub>3</sub> )	38 mg/L	Natural calcium/magnesium content in the water
Total Hardness (as CaCO <sub>3</sub> )	1 - 5 grains per gallon	Natural calcium/magnesium content in the water
Fluoride	0.5 – 1.1 mg/L	Chemical Additive MCL = 4.0 mg/L
Sodium	7.7 mg/L	No MCL – Informational only
Iron	<100 ug/L	Natural content and water treatment chemicals

<b>Parameter</b>	<b>Average or Range</b>	<b>Comments</b>
Sulfate	26 mg/L	Naturally occurring from erosion of natural deposits
Type of disinfection	N/A	Chlorine
Disinfectant residual level leaving the treatment plant (average)	2.2 mg/L	Water additive to control microbes
Disinfectant residual level in the distribution system	0.3 – 3.2 mg/L	Water additive to control microbes MCL. = 4.0 mg/L
Lead [90 <sup>th</sup> percentile result]	1.0 ug/L	Corrosion of household plumbing, erosion of natural deposits Action Level = 15 ug/L
Copper [90 <sup>th</sup> percentile result]	0.154 mg/L	Corrosion of household plumbing, erosion of natural deposits Action Level = 1.3 mg/L
Nitrate	0.31 mg/L	Runoff from fertilizer use, leaching of septic tanks, sewage and erosion of natural deposits MCL = 10 mg/L
Nitrite	<0.1 mg/L	Runoff from fertilizer use, leaching of septic tanks, sewage and erosion of natural deposits MCL = 1 mg/L
Zinc	0.08 mg/L	Element that occurs naturally in the water; constituent of corrosion control additive
Barium (ppm)	<0.1 mg/L	Discharge of drilling waste; Discharge of from metal refineries; Erosion of natural deposits

#### **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 on your water quality, please contact  
Billie Suder at 304-269-2006, ext. 4

Other inquiries should be directed to our  
Customer Service Center at 1-800-685-8660