



## Typical Water Quality Information

### Connellsville System

**PWSID Number:** PA5260022 Updated 01/05/2012

**Area Served:** City of Connellsville, Connellsville Township, South Connellsville Boro, Buskin Township

**Where Does My Water Come From?** The Connellsville system purchases its water from the Municipal Authority of Westmoreland County (MAWC) and the North Fayette County Municipal Authority (NFCMA).

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

PAW purchases approximately 3.2 million gallons per day to serve to the customers.

<i>Parameter</i>	<i>Range of Current Data</i>	<i>Comments</i>
pH (12/05/2011)	7.0 to 8.6	Adjusted by Pennsylvania American to maintain optimal corrosion control.
Hardness (mg/L) (12/05/2011)	50 to 82	This is made up primarily of the minerals calcium and magnesium. It is a component of strong bones and teeth.
Hardness (grains per gallon) (12/05/2011)	3 to 5	This is made up primarily of the minerals calcium and magnesium. It is a component of strong bones and teeth.
Fluoride (mg/L) MAWC purchased water	0.08 to 0.11	<b>MAWC does not add fluoride.</b> This is the range of fluoride measured at the point of entry to our system as well as in the water near the connection from our distribution system. The levels are naturally occurring.
Fluoride (mg/L) NFCMA purchased water	Average of 0.7	NFCMA adds fluoride to achieve a 0.7 mg/l level to assist in the prevention of dental caries.
Sodium (mg/L)	11 to 12	This amount is normally present in your water supply
Iron (mg/L) (12/05/2011)	Less than 0.02 to 0.20	This is the normal range present on the water at the point of entry. DEP recommends a limit of 0.30 mg/l.
Type of disinfection	Chloramine	Total chlorine residual is used for primary disinfection.
Disinfectant residual level (mg/L) (Distribution system)	0.96 to 2.0	Free chlorine range on the water in the distribution system. This chlorine level



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		ensures that water quality is maintained in the distribution system.
Corrosion Control	Zinc Orthophosphate	Zinc orthophosphate is added to reduce corrosion tendencies of the water as it travels through the pipes from the treatment plants to our customer homes.
Lead (mg/L) [90 <sup>th</sup> percentile 2010 result]	0.011	DEP mandates that water suppliers have 90% of the results of their customer sampling pool at or under the level of 0.015 mg/l.
Copper (mg/L) [90 <sup>th</sup> percentile 2010 result]	0.16	DEP mandates that water suppliers have 90% of the copper results from their compliance sampling at or under the level of 1.3 mg/l.
Nitrate (mg/L)	0.63 to 1.1	Nitrates are naturally present in our untreated source water. DEP mandates that the level be kept under 10 mg/l at all times.
Chromium 6 or Hexavalent Chromium (µg/L) (2011 data)	Not Detected to 0.10	Chromium 6 is not currently regulated as an individual contaminant. PAW voluntarily performed monitoring based on recommendations from the Environmental Protection Agency. <a href="http://www.amwater.com/paaw/Ensuring-Water-Quality/Chromium-6">http://www.amwater.com/paaw/Ensuring-Water-Quality/Chromium-6</a>

#### Definitions

mg/L – milligrams per liter; one milligram per liter is equal to one part per million, which is approximately the same as 1 second in 11.5 days

µg/L – micrograms per liter; one microgram per liter is equal to one part per billion, which is approximately the same as 1 second in 31.7 years

DEP – Pennsylvania Department of Environmental Protection

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 our water quality staff at 412-384-5115, ext 3

Other inquiries should be directed to our Customer Service Center at 1-800-565-7292