



## Typical Water Quality Information

### Butler System

**PWSID Number:** PA5100012 UPDATED 1/9/2012

**Area Served:** City of Butler, Connoquenessing, Lyndora, Renfrew, Harmony and Cabot, Butler Township, East Butler, North Hills, West End, Summit Township, Portman Road, South Hills, Oak Hills, West Butler and Saxonburg. Customers East of Interstate 79.

### Where Does My Water Come From?

The Butler system obtains water from Lake Oneida and Thorn Run Reservoirs. Water from the Allegheny River can be pumped to the reservoirs during drought conditions. An interconnection with Pennsylvania American Water's Ellwood City system is present.

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

6.5 million gallons per day

Parameter	Range Current Data	Comments
<i>pH</i>	7.8 to 8.9	Adjusted to maintain optimal corrosion control.
<i>Hardness (mg/L)</i>	60 to 170	This is made up primarily of the minerals calcium and magnesium. It is a component of strong bones and teeth.
<i>Hardness (grains per gallon)</i>	4 to 10	This is made up primarily of the minerals calcium and magnesium. It is a component of strong bones and teeth.
<i>Fluoride – naturally occurring (mg/L)</i>	< 0.10	This is the amount normally present in your water supply. Pennsylvania <b>American Water does not add fluoride to your water supply.</b>
<i>Sodium (mg/L) (2011 data)</i>	12	This amount is normally present in your water supply.
<i>Iron (mg/L)</i>	<0.01 to 0.05	This is the normal range present on the water leaving our water treatment plant. DEP recommends a limit of 0.30 mg/l.



<b>Type of disinfection</b>	Chloramines	Combined chlorine residual used for post filtration disinfection.
<b>Disinfectant residual level (mg/L)</b>	1.5 to 3.3	Chlorine level that ensures water quality is maintained in the distribution system.
<b>Corrosion control chemical used</b>	Langlier Index or pH Saturation	Pennsylvania American Water increases the pH of the water to reduce the corrosion tendencies of the water as it travels through the pipes from the treatment plants to our customer's home.
<b>Lead (mg/L) [90<sup>th</sup> percentile 2010 result]</b>	0.002	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.
<b>Copper (mg/L) [90<sup>th</sup> percentile 2010 result]</b>	0.08	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.
<b>Nitrate (mg/L) (2011 data)</b>	0.64	Nitrates are naturally present in our untreated source water. DEP mandates that the level be kept under 10 mg/l at all times.

#### 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
- DEP – Pennsylvanian 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 724-287-5461

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