

# Village of Barnesville Lead Risk Identification

In order to reduce the amount of lead in drinking water the Safe Drinking Water Act (SDWA) was amended in 1986 to limit lead to .2% in solders. This ban took effect in the Ohio Plumbing Code March 30,1998. The SDWA also required the use of lead free flux, pipes, and fittings in any plumbing which could be used for human water consumption. In 1998 lead free was defined as having no more than 8.0% lead. IN 2011 the SDWA was again amended to move lead free requirements to 0.25% lead. These requirements took effect January 1,2014.

Because it is practically impossible to determine the amount of lead content in any given fixture, fitting, or pipe it should be assumed that the manufacturer date is the primary indicator of lead content. Therefore, the characteristics of buildings and piping solder and fixtures built prior to 1998 or that use plumbing materials or solder manufactured before 1998 may have materials with greater than 8.0% lead and are at higher risk of contributing lead to the drinking water than with materials manufactured after 1998. In addition, buildings built and plumbing materials manufactured after 2014 were required to have less than .25% lead by weight and have the lowest risk for contributing lead to drinking water. It should be noted however that, although prohibited, some use of leaded solder or leaded components may have occurred after the prohibitions became effective.

The Village of Barnesville's water distribution system main lines are made of plastic, ductile iron, and cast iron. The Village's service lines are made of lead, copper, or plastic. The included map highlights where the Villages lead service lines are located. The Villages customers are responsible to install their own line from the curb stop (street) to the house or establishment. Therefore, the Village is unable to determine the age and lead content of customer lines, fittings and fixtures. Factors such as type of plumbing materials used, remodel dates, and construction dates could vary the lead content in homes. As stated above the date of construction for individual homes or establishments is the best indicator of possible lead in lines, fittings, and fixtures. It is estimated that 95% of homes and establishments in the Village's water district were constructed before 1998.

