The City of Cambridge, located in the Wills Creek watershed, is primarily a bedroom community founded in the early 1800's. Per the 2010 Census the city has a population of 10,600 and provides both potable water and sanitary sewer services to residential, commercial and industrial customers. The water system initially was completed and brought on line in 1915 and currently serves approximately 21,000 people, commercial and limited industrial customers throughout Guernsey County. Portions of the plant constructed in 1915, although upgraded, are still in use today.

Prior to 1970 the City developed and grew, with most of the residential expansion occurring in the northern sections of the city. During construction tap records describing the material used and location were created and maintained in the business office of the water utility. The records from initial construction were used to create the attached lead and copper map.

While little construction occurred in the city after 1980, structures built prior to 1998 that used plumbing material or solder manufactured before 1998 may contain greater than 8% lead and are at a higher risk of contributing lead to the drinking water than materials manufactured after 1998. In addition, buildings built and plumbing materials manufactured after 2014 were required to have less than 0.25% lead by weight and have the lowest risk for contributing lead to the 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 city's treatment process is designed to prevent any lead contamination from lines or fixtures that many have an adverse effect on the residents. The city has been testing the water for lead and copper for many years and has yet to have a result in excess of the established limit.