



Village of Sugar Grove Water System PWS ID # OH2302112

Lead Line Mapping Narrative

The Village of Sugar Grove owns and maintains a public water system that serves approximately 195 customers. The public portion of the system was recently replaced in two project phases in 2008 and 2009. The main lines are all PVC and the village owned portion of the service lines are all polyethylene pipe and can therefore be classified as not containing lead. The system does contain one 2" copper line on West 3rd Street, but it is not suspected to contain lead.

The Village lacks sufficient records to accurately determine areas within the system containing lead service lines. They do not have a building department or permit records. There are no as-built drawings for the original system that may identify material utilized for service line installation. Their existing operation and maintenance records do not contain information about the material of existing lines that were repaired. The Village does not use tap cards for new installations nor do they have any historic tap card records. The Village has not implemented a customer self-reporting program to identify lead lines within the distribution system. Due to the lack of adequate record information, the only basis of determination for preparation of the lead line map is age of the building.

Because it is practically impossible to determine the lead content of an installed fixture, fitting or pipe, it is assumed that the manufacture or installation date is the primary indicator of the lead content. Therefore, the characteristics of buildings and piping solder or fixtures would be buildings in Ohio built prior to 1998 or that use plumbing material or solder manufactured before 1998 may have materials with 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.

For the mapping purposes, any buildings or areas constructed prior to 1998 were classified as "no information available", while buildings or areas constructed in 1998 or after were classified as "no lead". The age of the building and area was obtained from the knowledge of Village staff.

The Village is not aware of the presence of any lead service lines within the system, but cannot rule out the possibility due to the lack of information.

