

Brilliant Water and Sewer District of Wells Township Public Water System Lead (Pb) Components

PWS ID OH-4100412

Prepared February 2017

To comply with Section 6109.21 of the Ohio Revised Code, enacted in September 2016, The Brilliant Water and Sewer District of Wells Township in Jefferson County, Ohio has created the following report and attached map to identify known and potential components of its public water system that contain lead (Pb).

Service Lines and Ownership

The Brilliant Water and Sewer District distributes water to approximately 630 customers. Brilliant Water and Sewer District owns and maintains service lines from the water distribution mains up to the curb stops and the property line for each water customer. The remainder of each service line from the curb stop to the dwelling is the responsibility of the property owner. Line from main to curb stop at property lines are copper with flared fittings or plastic with compression fittings.

Since the original construction of the water system in the 1930's, lead pipe has never been installed in this distribution system. While lead solder may have been used in the installation process for some of the private copper service lines, this is not common and there are no lead pipes used.

Distribution System

Brilliant Water and Sewer District produces treated ground water and distributes potable water through approximately 8.26 miles of water main lines. Since the original construction sometime within the 1930's some sections have been replaced with PVC material since 2012, and emergency repairs when necessary. Within the distribution system, none of the pipes themselves are known to contain any lead, however, there are joints within the system that may contain lead. Water distribution system pipe sections which may contain lead in the joints or valves are highlighted in orange.

Also, the water meters at each customer location may be as old as 2012 and may contain less than 8% lead. There are no meters installed before 1998 which may contain more than 8% lead. Meters installed after 2014 will have less than 0.25% lead. All meters have been replaced over four years starting in 2012 to 2016. Brilliant water uses Bronze Badger Meters.

The table below shows which lines may or may not have lead solder or fittings according to pre or post regulation.

Probability of Lead Solder and Fittings in Water Main		
Lead in Water Main Materials	Feet of Pipe	% of System
Probable (material typical pre-1998)	34,447	78.92
Improbable (material typical post-1998)	9,196	21.07

Indoor Plumbing

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.

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.

In Brilliant, there is one known structures built since 2014, and therefore nearly all buildings in the District may have some lead in the solder or fixtures. If service line is changed it is required to have ¾" copper or ¾" CTS plastic with a minimum of 200 psi. Brilliant Water and Sewer District then inspects all work before it is covered and water service is restored.

Customer Self-Reporting

The information on this map regarding privately owned service lines is based on the limited information from the water system staff and Jefferson County building and parcel data. Property owners are encouraged to inspect their own service lines entering the building if these are in anyway exposed, and notify the Brilliant Water and Sewer District if they have determined whether or not a lead service line exists. Please contact the Water Superintendent by calling 740-632-5400 or sending an email to brilliantwater@comcast.net. A representative from the water department will contact you to confirm and update this information for the next map release.

Contacts and Resources

If you have questions about known and potential lead components within the Brilliant Public Water System, please contact:

Dave Roush, Superintendent

706 2nd St.

Brilliant, Ohio 43913

brilliantwater@comcast.net

704-632-5400

For more information about lead service lines and their removal, we recommend the following resources:

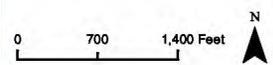
- **The Lead Service Line Replacement Collaborative**
<http://www.lslr-collaborative.org/resources-for-concerned-consumers.html>
- **Ohio EPA 'Learn About Lead' page**
<http://epa.ohio.gov/pic/lead.aspx>
- **US EPA Lead in Drinking Water Information Page**
<https://www.epa.gov/ground-water-and-drinking-water/basic-information-about-lead-drinking-water>

Brilliant Public Water Distribution System Lead Components and Lead Service Lines Map

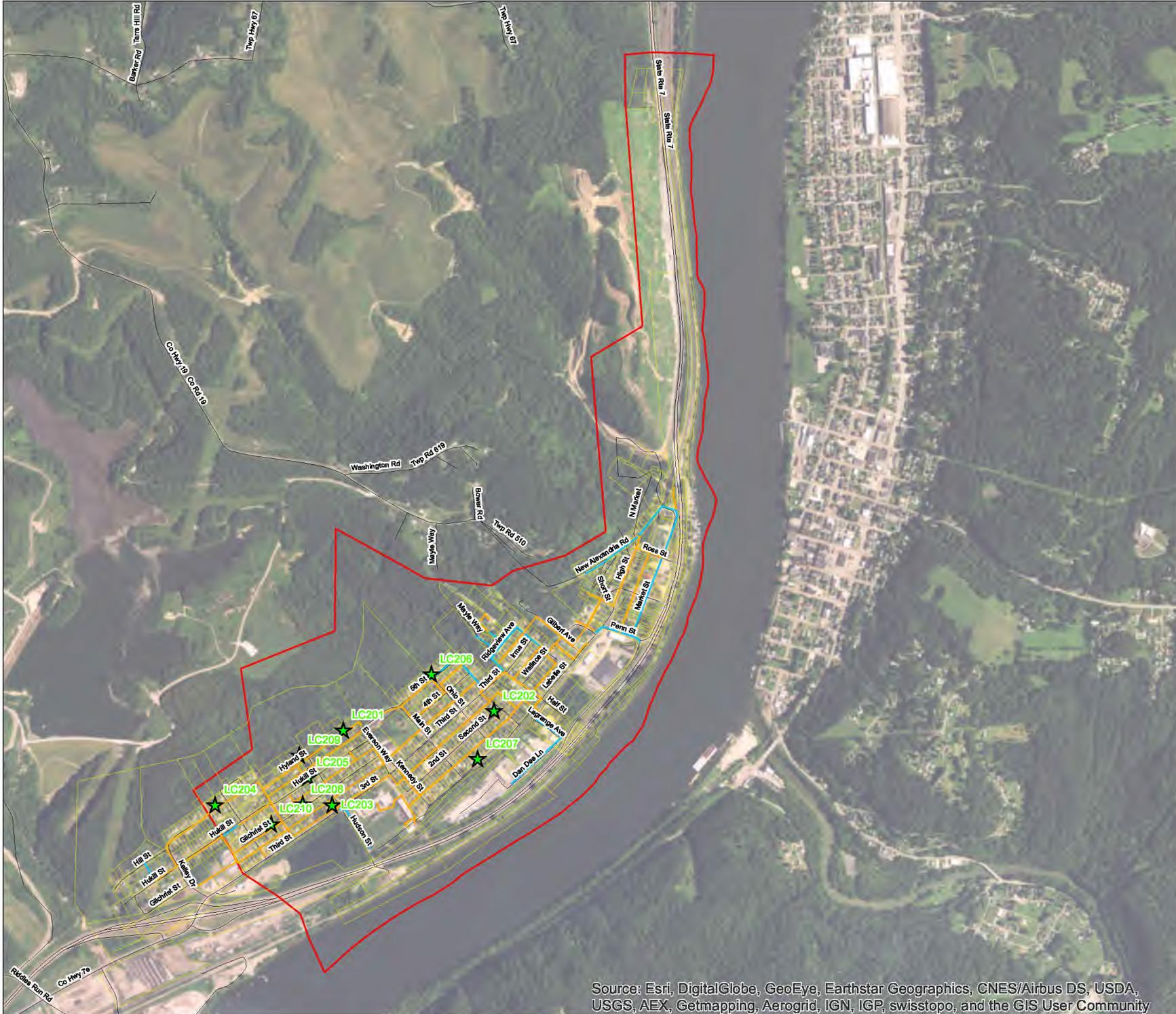


Brilliant, Ohio
Water System
Jefferson County
PWS ID
OH 4100412

-  Tier 3 Sample Sites
-  Cast Iron
-  Polyvinyl Chloride
-  Parcels
-  Boundary



This map is not intended for design engineering, surveying, or construction purposes. Information and data contained or accessed within this map emanates from various public and private sources and may contain errors and omissions. This map remains under development and is subject to change with or without notice. All data, information and documentation within this map are provided "as is" without warranty of any kind, either expressed or implied. The suitability of the data and information contained in this map is not guaranteed, and the user assumes all risk for such uses. WSOS, Community Action and its employees, affiliates, agents and licensors cannot and do not warrant the accuracy, completeness, non-infringement, merchantability or fitness of any information contained within this map. All questions, comments and data errors should be directed to Ohio RCAP by phone at 330-518-2963, or by email at eapeluchette@wsos.org.
Source: Midvale Staff, U.S. Census Bureau, Ohio RCAP GPS data collection. Projection: NAD 1983 Ohio State Plane North (feet)



Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

