

Village of New Waterford

Public Water System Lead (Pb) Components

PWS ID OH 1501722

Prepared February 2017

To comply with Section 6109.21 of the Ohio Revised Code, enacted in September 2016, the Village of New Waterford in Columbiana 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 Village of New Waterford Water Department distributes water to approximately 500 customers. The Village owns and maintains service lines from the water distribution mains up to the curb stops for each water customer. The remainder of each service line from the curb stop to the building is the responsibility of the property owner. To the best of the Village of New Waterford's knowledge there are no known lead service lines, however due to the age of the buildings could contain lead solder or fixtures.

The owner or applicant shall at his own expense dig and fill the trench and furnish and install the service line from the curb stop to the premises to be supplied. The consumer's service line shall be three-quarter (3/4") inch Type K Soft Copper to the meter and at a location approved by the Village Administrator.

The consumer's service line shall not:

- (A) Occupy the same trench with, or be placed within eighteen (18") inches of any sewer pipe or any facility of any other public utility;
- (B) Be placed within (3') feet of any open excavation or vault;
- (C) Pass through any main waterline;
- (D) Be laid at a depth of less than three (3') feet below the surface of the ground, except when service passes under a drive where the depth shall not be less than forty-two (42") inches.

The table below provides information about the possibility of lead service lines and use of leaded plumbing materials to the customers New Concord serves. The year the structure was built determines which category it falls into.

Lead Probability		
Possibility of Lead	# Customers	% of System
Very Likely or Verified	317	63.4
≤ 8% Lead Alloy	178	35.6
≤ .25% Lead Alloy	5	1.0

Distribution System

The Village of New Waterford produces treated ground water and distributes it through approximately 9.88 miles of water main lines. The original construction of the system occurred sometime within the 1940's. Some sections have been replaced with PVC material since 2004, and during emergency repairs when necessary. Within the distribution system, none of the pipes or service lines themselves are known to contain any lead, however, there are joints within the system that may contain lead. The main water lines are a mix of ductile iron, abestos cement and variations of plastic including PVC, C900 and SDR21.

Also, the water meters at each customer location may be as old as 2002 and may contain less than 8% lead. Meters installed after 1998 may contain up to 8% lead. About 40 Neptune Meters installed after 2014 will have less than 0.25% lead. The Village replaces about 24 meters yearly with brass Neptune Meters.

Probability of Lead Solder and Fittings in Water Main		
Lead in Water Main Materials	Miles of Pipe	% of System
Probable (material typical pre-1998)	6.03	61.0
Improbable (material typical post-1998)	3.85	39.0

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 New Waterford, only 5 properties are known to have structures built since 2014, and therefore nearly all buildings in the village may have some lead in the solder or fixtures.

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 Columbiana 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 Village of New Waterford Water Department if they have determined whether or not a lead service line exists. Please contact the distribution manager by calling 330-457 -2844 or sending an email to nwgarage@yahoo.com . 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 Village of New Waterford Public Water System, please contact:

Jason Gorby, Village Administrator

P.O. Box 287

New Waterford, Ohio 44445

330-457-2844

nwgarage@yahoo.com

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>

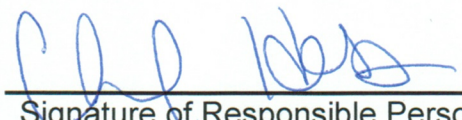
VERIFICATION FORM FOR COMMUNITY PUBLIC WATER SYSTEMS CLAIMING NO LEAD SERVICE LINES

The owner or operator of all community public water systems must identify and map areas of their distribution system that are known or are likely to contain lead service lines. Systems must submit a copy of the applicable map to the Ohio Department of Health and the Ohio Department of Job and Family Services. Systems must also submit a report to the director containing at least both of the following: (1) The applicable map with narrative, and (2) A list of sampling locations used to collect samples as required by Ohio Revised Code (ORC) Section 6109.121 and any rules adopted thereunder, including contact information for the owner and occupant of each sampling site.

Should a water system determine no lead service lines exist in their distribution system, they must provide information stating they reviewed, at the minimum, historical permit records and local ordinances, distribution maintenance records and information pertaining to installation dates or materials for all services lines. This information must be verified below.

I HEREBY CERTIFY THAT THE FOLLOWING METHOD(S) WERE USED TO DETERMINE NO LEAD SERVICE LINES EXIST IN THIS WATER SYSTEM'S DISTRIBUTION SYSTEM, AS REQUIRED BY ORC 6109.121(F):

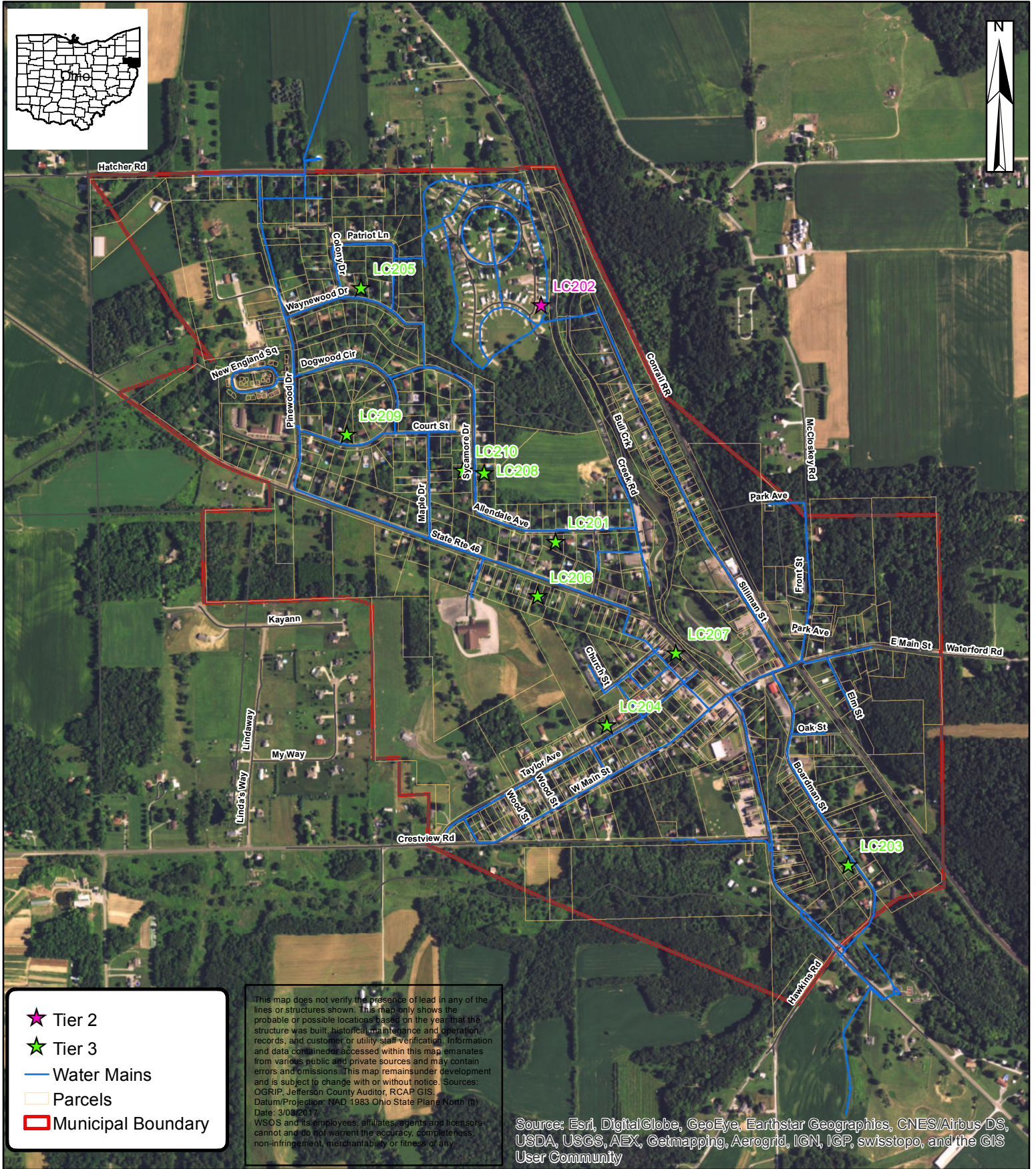
LEAD SERVICE LINE VERIFICATION
<p>This PWS states they have no lead service lines and has reviewed the following information (select one or more of the following):</p> <ul style="list-style-type: none"><input checked="" type="checkbox"/> Historical permit records and/or local ordinances<input checked="" type="checkbox"/> Distribution maintenance records (i.e. meter replacement, waterline break repairs)<input checked="" type="checkbox"/> Information pertaining to installation dates for all service lines (i.e. after 1986 when lead services lines were banned)<input type="checkbox"/> Service line material of all service lines is known (i.e. all service lines are known to be PVC)


Signature of Responsible Person Date 3/7/17
Chad Hess Operator of Record
Printed Name and Title of Responsible Person

PWS NAME: Village of New Waterford
PWS ID: OH 1501722
COUNTY: Columbiana

For Ohio EPA use only:

Date Verification Rec'd: _____



★ Tier 2

★ Tier 3

— Water Mains

▭ Parcels

▭ Municipal Boundary

This map does not verify the presence of lead in any of the lines or structures shown. This map only shows the probable or possible locations based on the year that the structure was built, historical maintenance and operation records, and customer or utility staff verification. 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. Sources: OGRIP, Jefferson County Auditor, RCAP GIS. Datum/Projection: NAD 1983 Ohio State Plane North (ft). Date: 3/08/2017. WSOS and its employees, affiliates, agents and licensors cannot and do not warrant the accuracy, completeness, non-infringement, merchantability or fitness of any

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



New Waterford, Ohio Lead and Copper Sample Sites

0 350 700 1,050 1,400 Feet

1:12,000

Ohio RCAP GIS Team
Suite 112
4030 SR 43
Kent, OH 44240

New Waterford, Ohio Lead Mapping
New Waterford, OHIO
WATER SYSTEM
PWS ID OH 1501722
New Waterford, Columbiana County, Ohio

Date: **2017**

By: epeluchette