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BY:

City of Wooster Ohio Water Distribution Lead Mapping Project

Lead Service Lines:

The City has no known lead service lines. The Collection & Distribution crew has never found a lead service line while repairing or replacing water mains.

Lead Plumbing in Residences:

The City is unaware of any residences that have lead drinking water plumbing. Lead drains have been used in the past, but are not a concern.

Research on Lead Plumbing:

Historian Harry McClarran is not aware of the history of lead plumbing in Wooster. His home, built in 1914, and which had been owned by his parents, does not have lead plumbing.

Mark Robinson, of M.W.Robinson Company, has not encountered lead plumbing in Wooster in his 36 years of plumbing work.

The Water Meter crew replace all of the water meters in the City on a regular schedule. They have not encountered any residences with lead plumbing on either side of the meters.

The manager of Cleveland Plumbing in Wooster is not aware of any homes in Wooster with lead plumbing.

Neither the City's Building Standards Division nor the County Auditor's Office have records of plumbing materials used in residences.

The City Ordinances,

<http://whdrane.conwaygreene.com/NXT/gateway.dll?f=templates&fn=default.htm&vid=whdrane%3AOHWooster>

do not address lead plumbing in homes, but instead refer to the Ohio Building Code. The City Ordinances are a living document; in talking to the City Law Director, a historical record apparently does not exist. The absence of lead plumbing in Wooster clearly indicates that lead plumbing was never mandated. However, when or if lead plumbing was banned prior to the adoption of the Uniform Plumbing Code is unknown.

Lead Plumbing Timeline:

1986 - SDWA amended to ban use of solder and flux containing >0.2% lead. Fixtures were limited to a maximum of 8.0% lead.

1987 - Adopted into Ohio Law.

1996 - SDWA amended to restrict sales of plumbing supplies that do not meet the definition of lead-free.

1998 - SDWA lead-free provisions adopted into Ohio Plumbing Code. Lead-free plumbing fixtures were limited to a maximum of 8.0% lead.

2014 - SDWA amended to reduce maximum amount of lead in plumbing fixtures to 0.25% of the wetted surface area.

2016 - Ohio adopted the 2014 SDWA amendments.

Because it is practically impossible to determine the lead content of an installed fixture, fitting, or pipe, it should be 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.

Of the 11,000 houses in Wooster, 900 were built from 1988-1997, 1200 were built from 1998-2014, and 25 were built in 2015. While these newer homes tend to be in neighborhoods close to the perimeter of the City, there are exceptions. This prevents identification of these houses on a map of reasonable size.

Since Ohio did not adopt the 2014 SDWA amendments until 2016, the possibility exists that New Old Stock (NOS) plumbing fixtures were sold in Ohio. Unless otherwise known, all homes in Wooster should be considered as having plumbing fixtures that do not meet the current 0.25% lead standard. Wooster City residents can find the construction date of their homes at the County Auditor's Website:

<http://www.waynecountyauditor.org/>

I certify that these documents are complete and accurate to the best of my knowledge.

Michael E. Shultz

City of Wooster, Ohio, Water / Wastewater Laboratory Technician

mshultz@woosteroh.com (After March 4, 2017, contact cbower@woosteroh.com)

January 29, 2017

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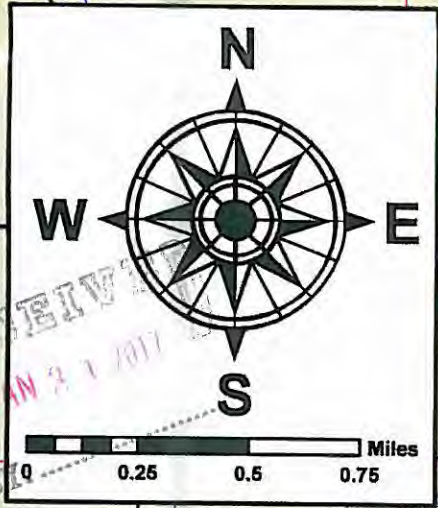
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- Legend**
- Township
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 - Municipa
 - 83 State Hig
 - 250 US Highw
 - 30 US Highw
 - 09 Wooster
 - Water Ar
 - Creeks, S
 - Railroads

Wooster 3

Wayne Twp

585

Clear Crk

Tricks End
LC243
LC245

Brooks Way
LC204
LC215

Patrick Pl.
LC232
Mertlyn Dr
LC205

Meadow Ln
LC239

LC206

LC226

LC211

LC223

LC208
LC207

LC219

LC238
LC233

LC229
LC276

LC204
LC227

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MAR 28 2017

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	
This PWS states they have no lead service lines and has reviewed the following information (select one or more of the following):	
<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 type="checkbox"/>	Information pertaining to installation dates for all service lines (i.e. after 1986 when lead services lines were banned)
<input checked="" type="checkbox"/>	Service line material of all service lines is known (i.e. all service lines are known to be PVC)

Kevin P Givins 3/20/2017
Signature of Responsible Person Date

KEVIN P GIVINS UTILITIES MANAGER
Printed Name and Title of Responsible Person

PWS NAME: WOOSTER CITY PWS
PWS ID: OH 8504512
COUNTY: WAYNE

For Ohio EPA use only:
Date Verification Rec'd: _____