

PORTERSVILLE EAST BRANCH WATER COMPANY

PWS #6402303

Perry & Morgan Counties, Ohio

SEPA
S.E.B.

2017 MAR -6 AM 11:08

In June 2016, House Bill (HB) 512 was passed to enact section 6109.121 of the Ohio Revised Code to create requirements governing lead and copper testing for community and non-transient non-community public water systems and to revise law governing lead contamination from plumbing and fixtures. The new law also requires community water systems to identify and map areas of their distribution systems that are known or likely to contain lead service lines. The community water systems must also identify and provide a description of the characteristics of buildings served by the system that may contain lead solder, fixtures or pipes.

In accordance with HB 512, the Portersville East Branch Water Company, PWS #6402303, worked with their engineering consultant to produce an overall water system map. The map includes approximate location of the distribution system main line and other system features. The map also includes lead and copper sample site locations. Due to the short timeframe between final EPA guidance being issued and the deadline for submission of the map, the service line materials are unknown in many areas.

Currently, the company knows all service lines installed have been polyethylene (PE) piping on the public side. The service line material on the private side are unknown throughout the system.

EPA guidance provides the following: Based on amendments to the Safe Drinking Water Act (SDWA) and Ohio Plumbing Code, the age of a building or the age of a re-plumbing are indicators of the plumbing materials. **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 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.**

With that guidance in mind, it is likely that plumbing materials on the private (customer) side, contain components that exceed the 8% lead and are at a higher risk. The Portersville East Branch Water Company system was constructed in 1993 with expansions and replacements as recent as 2016. Based on the materials of the main waterlines, no lead piping or lead soldered joints are contained within the main distribution system. However, many buildings within the service area of the company were constructed much before the initial 1993 water system was installed. Perry County was organized in 1818 and Morgan County was organized in 1819 with a large growth in population in the 1840s and 1850s.



LEGEND

- SAMPLE TAP LOCATION
- PUMP STATION
- WATER STORAGE TANK
- WATER MAIN
- METER

NOTES:

1. WATER MAIN LOCATION IS BASED ON KNOWLEDGE AND RECORDS PROVIDED BY THE COMPANY. THIS MAP ILLUSTRATES APPROXIMATE LOCATION OF WATER MAINS ONLY.
2. THE MAIN LINE WAS CONSTRUCTED IN YEAR 1993. EXTENSIONS AND REPLACEMENTS HAVE BEEN COMPLETED AFTER YEAR 1993.
3. MAINLINE MATERIAL CONSIST OF PVC, DUCTILE IRON, OR HIGH DENSITY POLYETHYLENE (HDPE). THE SERVICE LINE MATERIAL ON THE PUBLIC IS POLYETHYLENE (PE). SERVICE LINE MATERIAL ON THE PRIVATE SIDE IS UNKNOWN AT THIS TIME.
4. 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 CONTRIBUTING LEAD TO DRINKING WATER. IT SHOULD BE NOTED HOWEVER THAT, ALTHOUGH PROHIBITED, SOME USE OF LEADED SOLDER AND LEADED COMPONENTS MAY HAVE OCCURRED AFTER THE PROHIBITIONS BECAME EFFECTIVE.

PORTERSVILLE EAST BRANCH WATER COMPANY
WATER SYSTEM MAP
LEAD MAPPING

JOB NUMBER:
PEB
1

NO.	PLAN ISSUE/REVISION	DATE	DRAWN

DATE: **MAR 6 2017**

DRAWN: **RECEIVED**

CHECKED: **DATE**

DATE: **02/24/2017**

Ohio Environmental Protection Agency Southeast District

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HORIZONTAL SCALE IN FEET