

# CITY OF BELPRE

## DEPARTMENT OF PUBLIC WORKS

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March 1, 2017

TO: Ohio EPA  
Southeast District Office  
2195 Front Street  
Logan, OH 45714

RE: Lead and Copper Service Line Mapping for the City of Belpre, Ohio

Per HB 512, please accept this narrative concerning the possibility of Lead Service lines in the City of Belpre Public Water System.

At present, the City of Belpre has no evidence of the existence of lead service lines serving any single-family residence, multi-family residence, or building within the City of Belpre Public Water System.

Since 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 lead content. Therefore 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 lead solder or leaded components may have occurred after the prohibition became effective.

In January 2014, the City of Belpre Public Water System scrapped many thousands of dollars worth of water system fittings which no longer complied with SDWA Section 1417 weighted average of no more than 0.25% in the "wetted" material. All new "no lead" fittings were purchased to comply with the new "no lead" rules.

Sections of the City of Belpre water distribution system pre-date the 1940's. Certain sections of the water distribution system are reliably dated to 1937. This dating allows the *possibility* that sections of the distribution system serving Campus Drive, 100-300 blocks of Maple Street, 100-300 blocks of Third Street, 100-300 blocks of Elm Street, and 100-300 blocks of Walnut Street may contain main-line pipe joints with lead joint packing and that houses in these areas may be

served by lead service lines. The City of Belpre has no evidence that packed lead joints or lead service lines were used and no maintenance activity has uncovered evidence of packed lead joints or lead service lines in these areas or any other areas.

90-plus percent of the City of Belpre Public Water System was installed before the 2014 requirement for “No Lead” fixtures. The bulk of the PWS main water lines therefore contain fittings which contain in excess of the 2014 lead requirements. All fittings and fixtures used by the City of Belpre PWS since January 1, 2014 comply with the SDWA Section 1417 requirement for “No Lead” fixtures.

No areas shown on the attendant map have any known lead service lines. The areas are color coded:

Gray – No information available

Green – Non-Metallic Main line pipe

Yellow – Metallic Main line pipe

All areas are notated with the material of main line pipe, the age of the installation (as closely as is known), and the possible risk of “lead service lines” in the area.

The risk level of “lead service lines” in a given area is derived from the age and material of the main line pipe and service record card information of the homes in the area. Homes built within the last ten years were deemed to have the least risk for “lead service lines” while homes built earlier were deemed to have a higher risk for the presence of “lead service lines”.

Predominately older homes in an area lead to a designated elevated risk factor. No service record cards researched for clues to the age of the areas’ houses and water lines were found to declare that any house or installation contained “lead service lines”. Because of conservative estimating of the presence of “lead service lines” in any area, no area is listed as having less than a “low risk” of the presence of “lead service lines”.

All current “Lead & Copper” sampling sites are listed and outlined in green on the attendant map. Additionally, previous “Lead & Copper” sampling sites from previous years have been identified on the map with the year the property was last sampled.

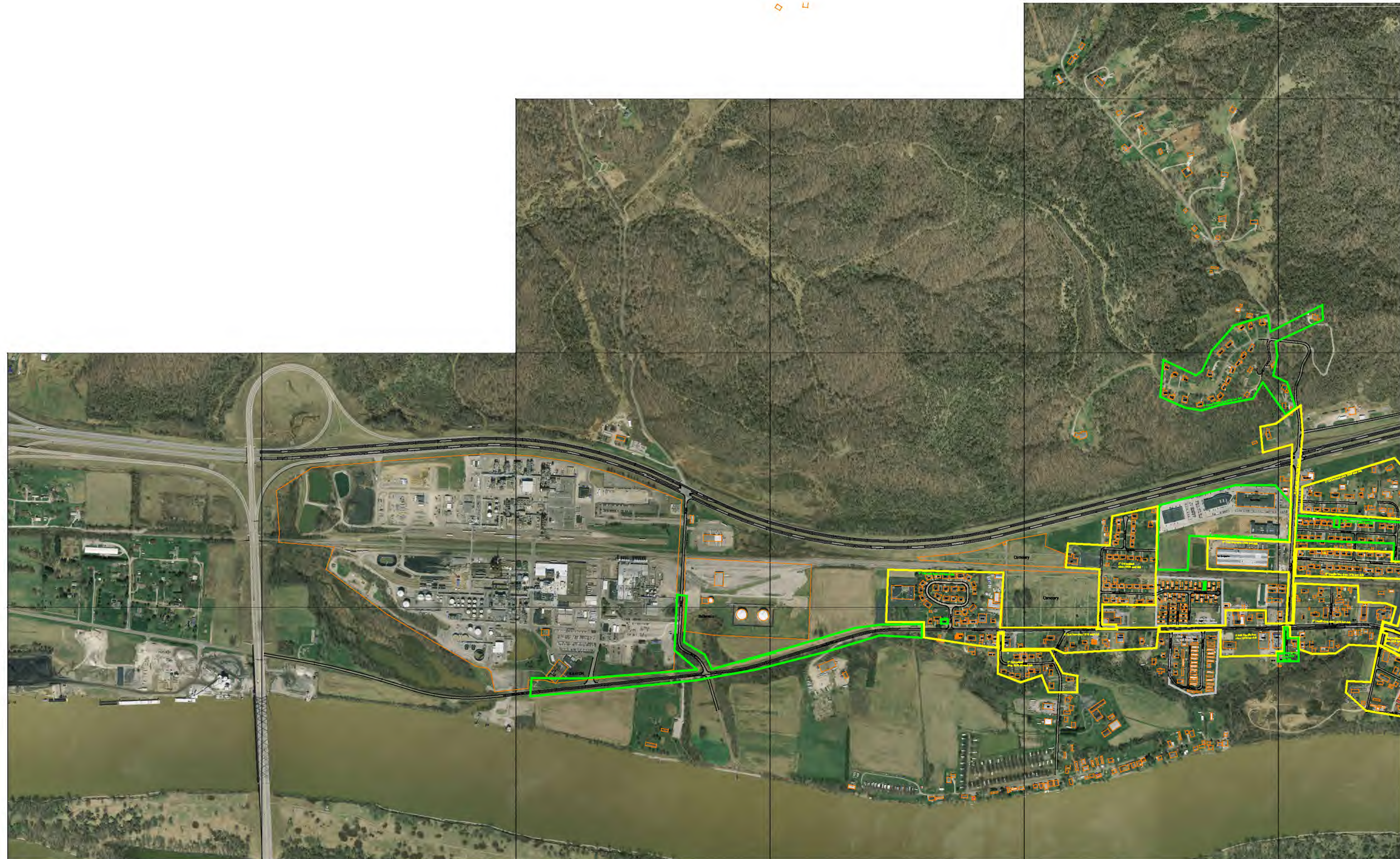
A copy of this map will be emailed to [BEH@odh.ohio.gov](mailto:BEH@odh.ohio.gov) as specified in the guidance.

Should you have any questions, please contact me.

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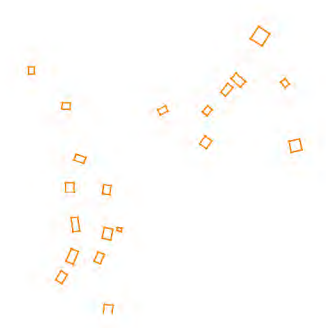
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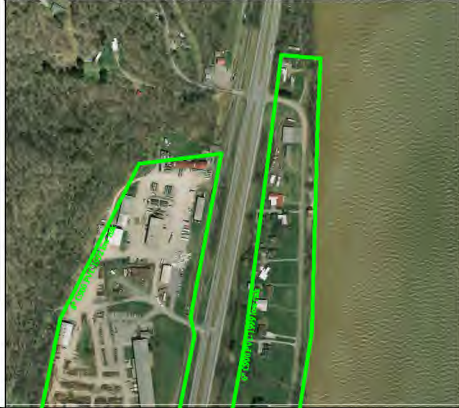
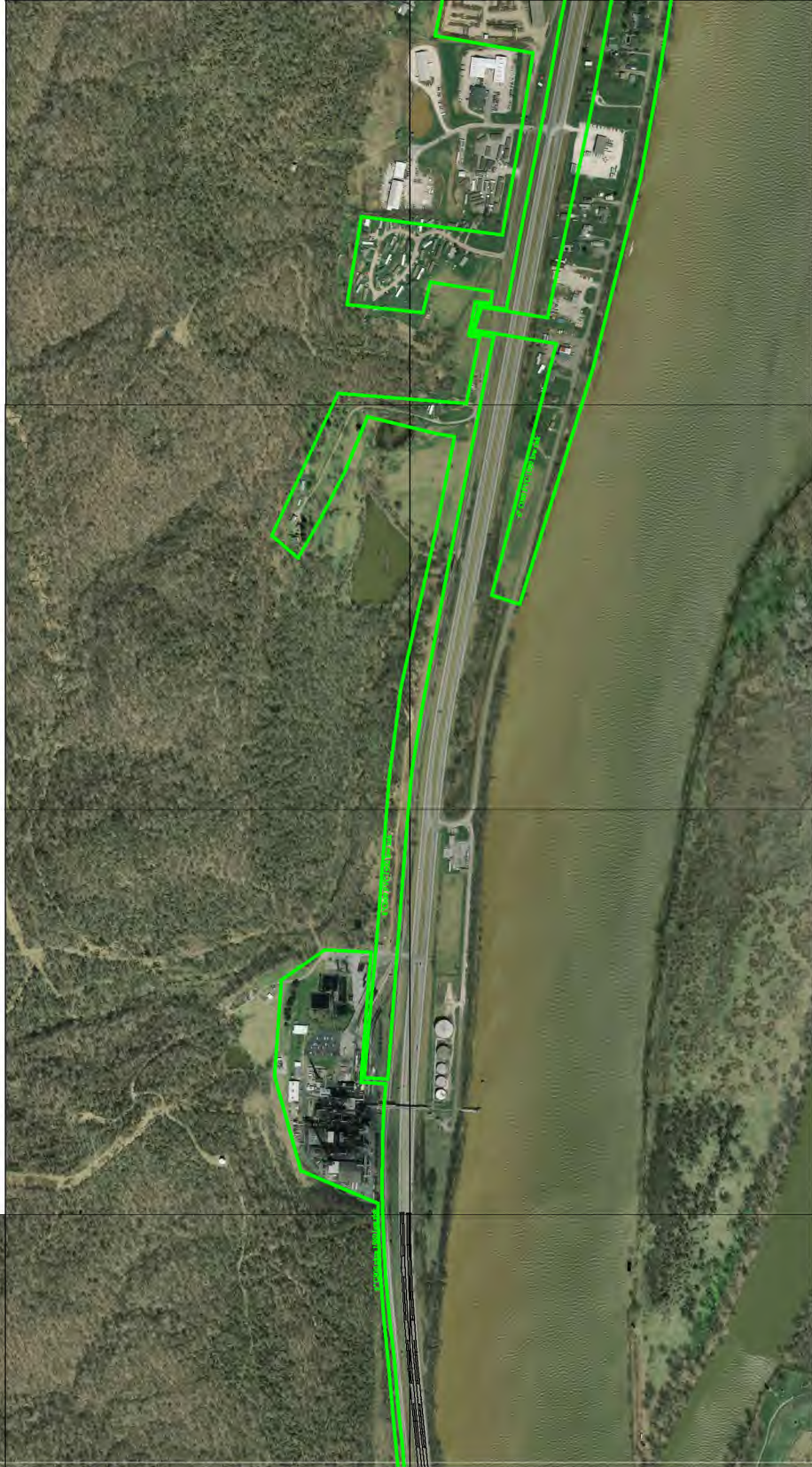
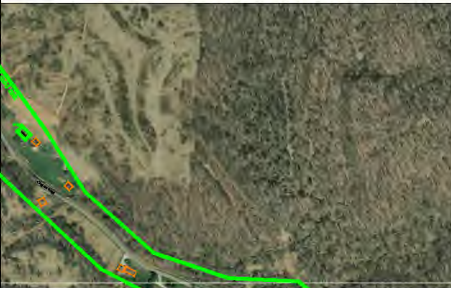
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