

RE: NORTH BALTIMORE VILLAGE  
Report  
Drinking Water Program  
Wood County  
PWS ID: OH8701611

**Village of North Baltimore, Ohio**  
**Lead Service Line and Fixture Mapping Project**  
**Prepared by: Jones & Henry Engineers, Ltd.**  
**March 9, 2017**

**RECEIVED**

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System Name: Village of North Baltimore

PWS ID: OH8701611

Ohio House Bill 512 requires community water systems to identify and map areas of the distribution system that are known to or are likely to contain lead service lines. The Bill also requires systems to identify and provide a description of the characteristics of buildings served by the system that may contain lead piping, solder, or fixtures. Lastly, the Bill requires systems to publicize lead and copper sampling locations.

This document includes: the current lead and copper sampling addresses; an explanation of the methodology used for building characterization; an explanation of the Legend noted on the map; and the map of the Village's water service area.

### **Lead and Copper Sample Sites**

The OEPA requires the Village to routinely obtain water samples to be analyzed for the concentration of lead and copper. Based on system population, twenty sample sites are required. The sites include homes and businesses throughout the Village and in total provides a complete cross-section of the water conveyed to customers. It should be noted that home and building owners voluntarily obtain the sample for the Village.

### **Building Pipes and Fixtures**

Water lines within buildings are typically, galvanized steel, copper, PVC or polyethylene and in older buildings could be lead. In 1986, the Safe Drinking Water Act (SDWA) was amended to ban the use of lead service lines and lead solders containing more than 0.2% lead. The lead ban provisions of the act became effective in the Ohio Plumbing Code on March 30, 1998. The act also required the use of lead-free flux, pipes and fittings in new installations and repairs of any facility that provides water for human consumption. Lead-free at the time was defined as having no more than 8.0% lead. In 2014 the lead-free definition was reduced to no more than 0.25% lead.

Therefore, the characteristics of buildings and their respective piping, solders or fixtures can be established based on the construction dates of: prior to 1998; 1998 to 2014; and after 2014. Buildings constructed prior to 1998 may have piping materials with greater than 8% lead than those constructed after 1998 and have a higher risk of contributing lead to drinking water. Buildings constructed after 2014 have piping materials with less than 0.25% lead and are at lowest risk of contributing lead in drinking water. Buildings constructed from 1998 to 2014 have a moderate risk of contributing lead in drinking water.



Wood County Building Department, County Auditor's Department, Village records, and Village personnel were used to establish the original construction date or date when piping and fixture replacement took place. The map shows buildings constructed prior to 1998 with light yellow cross-hatching. Those constructed from 1998 to 2014 shown as light blue cross-hatching. Construction 2014 and later shown as light green cross-hatching.

## Service Lines

Service lines are the small pipe lines that connect the water mains to the customer's building. Typically, the service line from the main to the sidewalk (curb-stop or meter pit) is the responsibility of the water utility (street side) with the remainder the being the responsibility of the building owner (private side). Service line materials include galvanized steel, lead, copper, PVC, or polyethylene. The utility side and private side could be of different materials. As noted earlier in this document, the installation of new lead service lines has been banned since 1986.

Service line material designation for each building is shown on the accompanying map and noted as lead or non-lead. The color-coded squares depict utility side with circles depicting private or building side. A solid yellow notes lead service line with a solid green noting non-lead (galvanized steel, copper, PVC, or polyethylene) service line. Solid gray notes no information available.

The buildings that are known to have lead or non-lead service lines according to Village records are appropriately noted on the map. The Village has limited records of service line material types therefore, buildings with no color-coded designation are by default designated as "No Information".

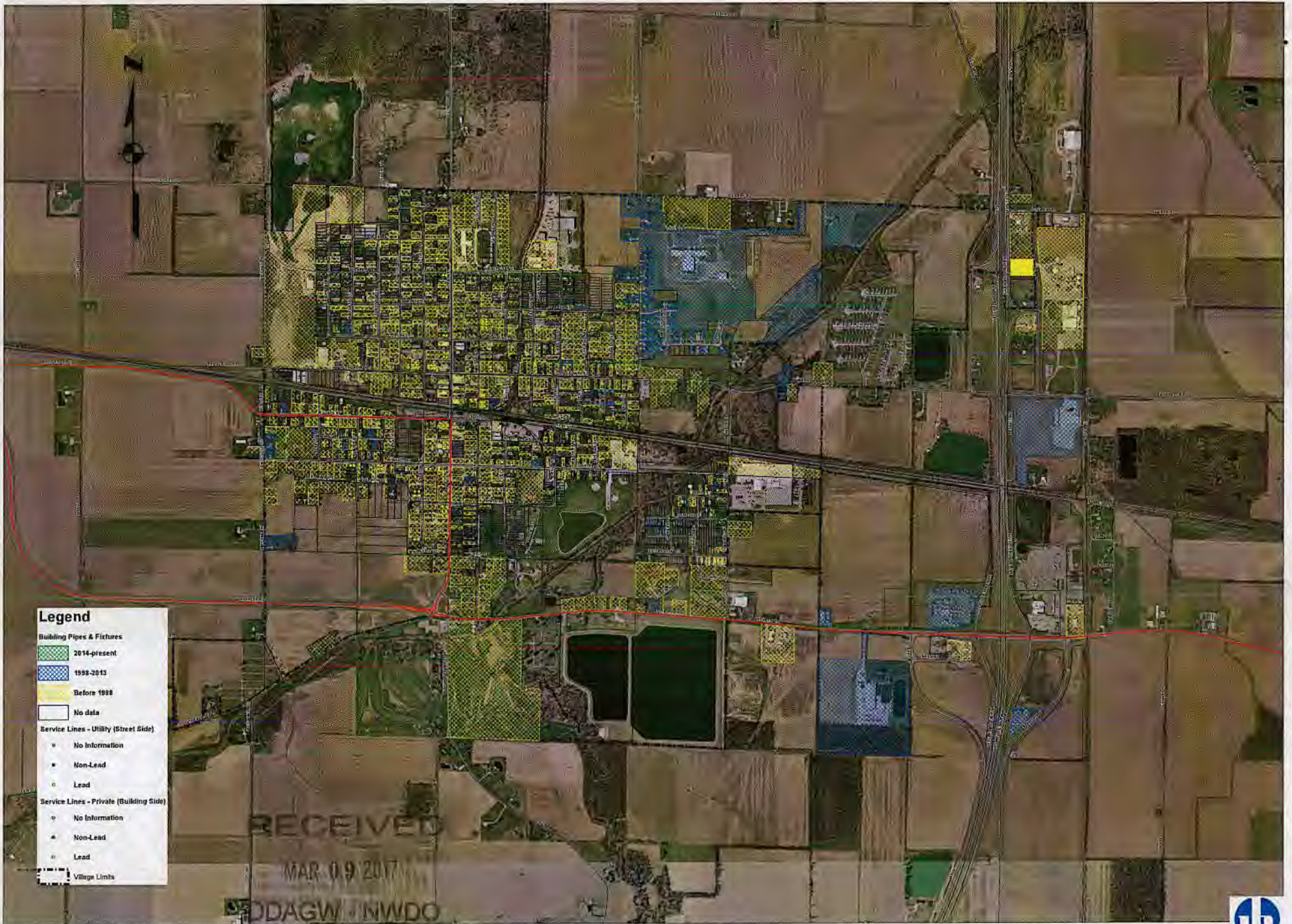
## Final Note

Village of North Baltimore's water exceeds all federal and state lead and copper rules and regulations.

For Questions and comments, contact:

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North Baltimore, Ohio 45872  
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**Legend**

**Building Pipes & Fixtures**

- 2014-present
- 1998-2013
- Before 1998
- No data

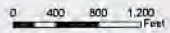
**Service Lines - Utility (Street Side)**

- No Information
- Non-Lead
- Lead

**Service Lines - Private (Building Side)**

- No Information
- Non-Lead
- Lead

Village Limits



North Baltimore, Ohio  
 Estimated Distribution of Lead Water Piping

March 9, 2017

