

**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):**

- ☐ Historical permit records and/or local ordinances
- ☒ Distribution maintenance records (i.e. meter replacement, waterline break repairs)
- ☐ Information pertaining to installation dates for all service lines (i.e. after 1986 when lead services lines were banned)
- ☐ 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

John Heil      Water Superintendent  
\_\_\_\_\_  
Printed Name and Title of Responsible Person

**PWS NAME:** Village of Gardenhettan  
**PWS ID:**      OH 7900512  
**COUNTY:**      Tuscarawas

**For Ohio EPA use only:**

Date Verification Rec'd: \_\_\_\_\_

# **Village of Gnadenhutten**

## **Public Water System Lead (Pb) Components**

**PWS ID OH-7900512**

**Prepared February 2017**

To comply with Section 6109.21 of the Ohio Revised Code, enacted in September 2016, The Village of Gnadenhutten in Tuscarawas 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 Gnadenhutten owns and maintains service lines from the water distribution mains up to the curb stops. The remainder of each service line from the curb stop to the dwelling is the responsibility of the property owner. The village is also responsible for each meter in residences and businesses. The service line from the main to curb stop at the property line is typically copper. Since the original construction of the water system in the late 1930's, lead pipe has never been installed in this distribution system. While lead solder may have been used in the installation process for some of the private copper service lines, this is not un-common and there are no lead pipes used.

### **Distribution System**

The Village of Gnadenhutten produces treated ground water and distributes potable water through approximately 10.21 miles of water main lines with varying pressures from 92-95 psi throughout the system. The Village of Gnadenhutten receives its groundwater through two water wells located in Heck's Grove Park. The pumps feed a 500,000 gallon and a 100,000 gallon underground storage tank, and services approximately 527 customers. The Village also treats its water with orthophosphate to provide corrosion control.

Since the original construction of the main water lines sometime in the late 1930's most main lines are a mix of PVC, Ductile Iron, and Cast Iron. Since the 1990's, when funds are available there have been consistent main line replacements with PVC material and emergency repairs when necessary. Within the distribution system, none of the pipes themselves are known to contain any lead; however, there are joints within the system that may contain lead solder. Pipe sections which may contain lead in the joints or valves are highlighted in orange.



Also, the water meters at each customer location are as old as the late 1970's and may contain more than 8% lead. Meters installed after 2014 will have less than 0.25% lead. A large percentage, about 90%, of meters for the Village of Gnadenhutten are Sensus meters that were installed sometime in the late 1970's and are mostly brass. There are also newer plastic Sensus meters used to replace old meters in some of the residences and businesses throughout the village. Most meters are all compliant with EPA regulations by the date they were manufactured.

### **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 the Village of Gnadenhutten, there are 12 known structures built since 2014, and therefore nearly all buildings in the district may have some lead in the solder or fixtures. If a service line is changed, it is required to have  $\frac{3}{4}$ " copper or  $\frac{3}{4}$ " PVC with a minimum of 200 psi. The Village of Gnadenhutten inspects lines before they are covered to make sure any new services are within EPA regulations.

### **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 Tuscarawas 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 Gnadenhutten if they have determined whether or not a lead service line exists. Please contact the Village Administrator by calling 740-254-4307 or sending an email to [gnadpoli@tusco.net](mailto:gnadpoli@tusco.net). 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 Gnadenhutten Public Water System, please contact:

Dave Birker, Village Administrator  
3255 Monte Drive, Gnadenhutten, Ohio  
740-254-4307

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>



# Probability of Lead Services

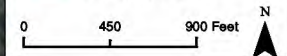
Gnadenhutzen, Ohio  
Water System  
Tuscarawas, County  
PWS ID OH 7900512

## Probability of Lead Services

- No Lead - Public/Private

### Water Mains

- Cast Iron (CAS)
- Ductile Iron (DIP)
- Polyvinyl Chloride (PVC)
- Parcels
- Municipal Boundaries



This map is not intended for design engineering, surveying, or construction purposes. 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. All data, information and documentation within this map are provided "as is" without warranty of any kind, either expressed or implied. The suitability of the data and information contained in this map is not guaranteed, and the user assumes all risk for such uses. WSOS, Community Action and its employees, affiliates, agents and licensors cannot and do not warrant the accuracy, completeness, non-infringement, merchantability or fitness of any information contained within this map. All questions, comments and data errors should be directed to Ohio RCAP by phone at 330-518-2963, or by email at [eapeluchette@wsos.org](mailto:eapeluchette@wsos.org). Source: Midvale Staff, U.S. Census Bureau, Ohio RCAP GPS data collection. Projection: NAD 1983 Ohio State Plane North (feet)

**Note: No Difference in Lead Probability Public/ Private**

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

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) Data: 3/06/2017 WSOS and its employees, affiliates, agents and licensors cannot and do not warrant the accuracy, completeness, non-infringement, merchantability or fitness of any information contained within this map.



# Lead and Copper Sample Sites

Gnadenhutzen, Ohio  
Water System  
Tuscarawas, County  
PWS ID OH 7900512

## Lead & Copper Tier Sites

- ★ Tier 1
- ★ Tier 2
- ★ Tier 3
- Water Mains
- Parcels
- Municipal Boundaries

0 450 900 Feet



This map is not intended for design engineering, surveying, or construction purposes. 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. All data, information and documentation within this map are provided "as is" without warranty of any kind, either expressed or implied. The suitability of the data and information contained in this map is not guaranteed, and the user assumes all risk for such uses. WSOS, Community Action and its employees, affiliates, agents and licensors cannot and do not warrant the accuracy, completeness, non-infringement, merchantability or fitness of any information contained within this map. All questions, comments and data errors should be directed to Ohio RCAP by phone at 330-518-2963, or by email at [eapeluchette@wsos.org](mailto:eapeluchette@wsos.org). Source: Midvale Staff, U.S. Census Bureau, Ohio RCAP GPS data collection. Projection: NAD 1983 Ohio State Plane North (feet)



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

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) Data: 3/06/2017 WSOS and its employees, affiliates, agents and licensors cannot and do not warrant the accuracy, completeness, non-infringement, merchantability or fitness of any information contained within this map.

