

## CONSIDER YOUR PLUMBING

- If the water line between the curb and your home hasn't been replaced, and your home was built before the mid-1950s, you may have a lead service. You can perform a simple test to find out. Place a magnet on the water line just before the meter in your basement or crawl space. If it sticks, your line is galvanized steel. If the magnet doesn't stick, lightly scratch the pipe with a penny and note the color. If the scratch reveals the color of a penny, it's copper. If it's silver and flakes off, you have a lead service line, and you should consider replacing it at your earliest convenience.

- If your home was built before 1989, and you have copper plumbing, it's likely you have lead soldered joints.

- Fixtures manufactured before 2014 may contain as much as 8% lead.

## BLOOD TESTING

Health screenings and tests to determine lead levels in the blood are available by contacting:

St. Elizabeth Youngstown Hospital  
1044 Belmont Avenue  
Youngstown, OH 44504-1006  
Contact May Ann at 330-480-6365



## ANY QUESTIONS?

Contact the Girard Water Department with any lead-related inquiries at **330-545-3949**

## ADDITIONAL RESOURCES

National Lead Information Center,  
**1-800-424-LEAD**

Ohio EPA:

<https://epa.ohio.gov/monitor-pollution/pollution-issues/learn-about-lead>

US EPA:

[www.epa.gov/lead](http://www.epa.gov/lead)

[https://www.epa.gov/sites/production/files/2017-08/documents/epa\\_lead\\_in\\_drinking\\_water\\_final\\_8.21.17.pdf](https://www.epa.gov/sites/production/files/2017-08/documents/epa_lead_in_drinking_water_final_8.21.17.pdf)

Choosing filters to reduce lead in drinking water:

[https://www.epa.gov/sites/production/files/2018-12/documents/consumer\\_tool\\_for\\_identifying\\_drinking\\_water\\_filters\\_certified\\_to\\_reduce\\_lead.pdf](https://www.epa.gov/sites/production/files/2018-12/documents/consumer_tool_for_identifying_drinking_water_filters_certified_to_reduce_lead.pdf)

Evaluating lead-free plumbing products:

[https://d2evkimvhatqav.cloudfront.net/documents/Lead\\_free\\_certification\\_marks.pdf](https://d2evkimvhatqav.cloudfront.net/documents/Lead_free_certification_marks.pdf)

To view this entire document online, go to: **www.cityofgirard.org**



# GIRARD

---

## WATER DEPARTMENT

---

## LEAD AWARENESS

The most common sources of lead in drinking water are lead pipes, faucets, and plumbing fixtures. Certain pipes that carry drinking water from the water source to the home may contain lead. Household plumbing fixtures, welding solder, and pipe fittings made prior to 1986 may also contain lead.

**GIRARD**  
WATER DEPARTMENT



## HOW LEAD GETS INTO TAP WATER

Steps taken during the last two decades have reduced exposures to lead in tap water. These steps include actions taken under requirements of the 1986 and 1996 amendments to the Safe Drinking Water Act and the U.S. Environmental Protection Agency's (EPA's) Lead and Copper Rule. Even so, lead in water can come from homes with lead service that connect the home to the main water line. Homes without lead service lines may still have brass or chrome-plated brass faucets, galvanized iron pipes or other plumbing soldered with lead. Some drinking water fountains with lead-lined tanks and other plumbing fixtures not intended for drinking water (e.g. lab faucets, hoses, spigots, hand washing sinks) may also have lead in the water.

Lead can enter drinking water when a chemical reaction occurs in plumbing materials that contain lead. This is known as corrosion - dissolving or wearing away of metal from the pipes and fixtures. This reaction is more severe when water has high acidity or low mineral content. How much lead enters the water is related to:

- the acidity or alkalinity of the water
- the types and amounts of minerals in the water,
- the amount of lead that water comes in contact with
- the amount of water in the pipes
- how long the water stays in pipes, and
- the presence of protective scales or coatings in the pipes

## HOW TO FIND OUT IF TAP WATER IS CONTAMINATED WITH LEAD

You cannot see, taste, or smell lead in drinking water. The best way to know your risk of exposure to lead in drinking water is to identify the potential sources of lead in your service line and household plumbing.

Understand that any work, such as water main or service line replacement, could increase exposure to lead while the work is ongoing and for up to six months after the work is completed. There are also laboratories that are certified to test for lead in water. Water sampling results can vary depending on the time of day, season, method of sampling, flow of water and other factors.

## RISK FROM LEAD IN WATER

Because no safe blood level has been identified for young children, all sources of lead exposure for children should be controlled or eliminated. EPA has set the maximum contaminant level goal for lead in drinking water at zero because lead can be harmful to human health even at low exposure levels. Lead is a toxic metal that is persistent in the environment and can accumulate in the body over time. Risk will vary depending on the individual, the chemical conditions of the water, and the amount consumed. For example, infants who drink formula prepared with lead contaminated tap water may be at a higher risk of exposure because of the large volume of water they consume relative to their body size. Bathing and showering should be safe for you and your children because human skin does not absorb lead in water.

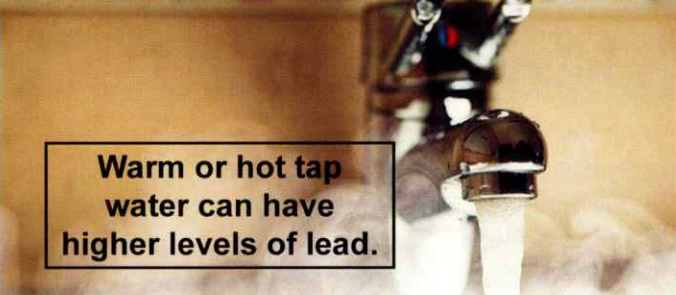
## WHAT TO DO IF YOU THINK YOU OR YOUR CHILD HAS BEEN EXPOSED

If you think that you or your child has been exposed to lead in water contact your health care provider. Most children and adults who are exposed to lead have no symptoms. The best way to tell if you or your child has been exposed is with a blood lead test. Your health care provider can help you decide whether a blood lead test is needed and can also recommend appropriate follow-up actions if you or your child has been exposed. As levels of lead in the blood increase, adverse effects from lead may also increase.

## HOW TO REDUCE OR ELIMINATE EXPOSURE TO LEAD IN TAP WATER

If you are concerned about lead in water or know that your plumbing contains lead, you can take action to reduce the amount of lead in your drinking water and minimize your potential for exposure.

- You can reduce or eliminate your exposure to lead in tap water by drinking or only using tap water that has been run through a "point-of-use" filter certified by an independent testing organization to reduce or eliminate lead (NSF/ANSI standard 42 for particulate removal). If you have a lead service line, use a filter for all water you use for drinking or cooking



**Warm or hot tap water can have higher levels of lead.**

- You can flush your water to reduce potential exposure to lead from household lead plumbing. This is especially important when the water has been off and sitting in the pipes for more than 6 hours. Before drinking, flush your home's pipes by running the tap, taking a shower, doing laundry, or doing a load of dishes. The amount of time to run the water will depend on whether your home has a lead service line or not, and the length of the lead service line. Drink or cook only with water that comes out of the tap cold. Water that comes out of the tap warm or hot can have higher levels of lead. Boiling will not reduce the amount of lead in your water.

- You can virtually eliminate your exposure to lead in water by drinking or using only bottled water that has been certified by an independent testing organization. This may not be the most cost-effective option for long-term use.

*Source: Centers for Disease Control and Prevention. <https://www.cdc.gov>*

## FACTS ABOUT GIRARD'S WATER

- It's consistently above 7 on the pH scale which reduces its corrosiveness. Water at pH levels below 7 is more acidic and more likely to dissolve lead that may be in your plumbing.

- Orthophosphate is added during the treatment process. This compound forms a coating inside water pipes, service lines and the plumbing in your home reducing the possibility of lead leaching into the water.

- State mandates lead testing done yearly using a list of pre approved sites by OH EPA

Over time, some of these sites will no longer be eligible due to plumbing replacement or demolition. If you have interest in volunteering to help us replenish our list of sampling sites, please contact us at 330-545-3949. Selection criteria is based on the age of your home and the composition of its plumbing.