

Lead Service Line Replacement Plan

PWS ID: IL 1570450



**City of Red Bud, Illinois
March 2026**

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General Information

The City of Red Bud operates a water system in Randolph County, Illinois, that provides water service to 3,804 residents (information from 2020 Census). The identification number for the City's water system is IL 1570450. As noted in the City's service inventory, the City has a total of 1,922 service connections which include residential, commercial, and industrial customers.

The City has a certified water operator on staff or under contract at all times. The City has support staff in place to assist in the day-to-day operations and other City personnel are available to assist with general maintenance items, preventative maintenance work, etc. as needed or in times of emergencies. The City of Red Bud is an equal opportunity employer. When projects are put out for bid, the City will make good faith efforts to use contractors and vendors owned by minority persons, women, or persons with a disability, as defined in Section 2 or the Business Enterprise for Minorities, Women, and Persons with Disabilities Act.

This plan will be posted on our City website (www.cityofredbud.org) and will be also be available to review in person at the City Utility Office located at 525 Power Street, Red Bud, Illinois 62278. Public comments are always welcome and any comments received will be reviewed and addressed accordingly.

Lead Service Line Information

The City of Red Bud does have some known and suspected lead service lines present within the water distribution system. From previous inventories, there are a total of 46 lead service lines. Approximately 13 of these service lines are known to be lead and the remaining 33 services are suspected to be lead. The locations for these services lines are in the older parts of the City, mostly near the downtown area but with some in other areas as well. The street locations for the known and suspected service lines include the following: N. Main St., S. Main St., Bloom St., E. Market St., Locust St., E.S. 1st St., E.S. 2nd St., Jackson St., E. Pine St., W. Pine St., E. Olive St., Madison St., Cherry St., and Prairie St.

While lead service lines still remain in the distribution system, there are some locations where lead service lines have been replaced. Since 2020, the City has had 2 full lead service line replacement and 1 partial lead service line replacement. The full lead service line replacements were located at 128 W. Market St. (replaced in early 2020) and at 905 E. Market St. (replaced January 13, 2026). The partial lead service line replacement was located at 120 N. Main St., and only the service line from the meter into the building was replaced. This work was done in February 2024 by an outside contractor working for the property owner due to a leak on the service line under the building. It is known that the service line material from the water main to the meter is still lead at this location.

A map is included in Appendix A showing the areas where lead service lines are expected to be found. The service lines located on City owned streets will be first to be inventoried followed by services on any of the state highways.

Full lead service line replacements will need to be performed over the next several years. These replacements may be performed by City personnel or by an outside contractor depending on the complexity of the replacement. Some of these replacements may require coordination efforts with other contractors as a part of other construction projects that may be occurring in the areas of the known or suspected lead service lines. If any work is to be performed in the state right-of-way, proper permits will be obtained prior to any work being performed. The City will be responsible for obtaining any such permits. JULIE will be contacted prior to any work being performed to ensure all utilities are marked in the proposed construction area. As needed, a plumber may be used to assist with any replacement efforts. Proper trench safety equipment, personal protective equipment, and traffic control will be used during all activities. Proper notifications to each affected customer will be made via mail, hand delivery, or by phone. In addition, the City will provide a handout explaining the health effects of lead and steps that can be taken to reduce lead in drinking water. This handout is included in Appendix B.

A proposed lead service line replacement schedule is as follows:

<u>1 Year Goals</u>	Physical check of known or suspected lead service lines using vacuum excavation or other means as necessary Check service inventory records and update accordingly Perform service line checks during routine maintenance, customer issues, etc. and update inventory accordingly
<u>5 Year Goals</u>	Continue lead service line replacements if applicable Continue service line checks during routine maintenance, customer issues, etc. and update inventory accordingly
<u>10 Year Goals</u>	Continue lead service line replacements if applicable Continue service line checks during routine maintenance, customer issues, etc. and update inventory accordingly
<u>15 Year Goals</u>	Continue lead service line replacements if applicable Continue service line checks during routine maintenance, customer issues, etc. and update inventory accordingly
<u>20 Year Goals</u>	Continue lead service line replacements if applicable Continue service line checks during routine maintenance, customer issues, etc. and update inventory accordingly
<u>25 Year Goals</u>	Continue lead service line replacements if applicable Continue service line checks during routine maintenance, customer issues, etc. and update inventory accordingly
<u>30 Year Goals</u>	Continue lead service line replacements if applicable Continue service line checks during routine maintenance, customer issues, etc. and update inventory accordingly

High Risk Facilities

High risk facilities located in the City of Red Bud include several schools, day care facilities, a senior living facility, several parks and playgrounds, a hospital/clinic, medical office buildings, and a dialysis center.

Currently, none of these facilities have a lead service line and are not in need of replacement. Continued service to these facilities is and will continue to be a priority for the City of the Red Bud Public Water System. Advance notifications are given to these facilities when any scheduled maintenance work is required. In the case of an emergency repair or unexpected service disruptions, these facilities are notified as soon as possible.

Financial Considerations

The City of Red Bud has a capital fund account for the Water Department. City personnel will work with City officials to work on adding funds to this plan for the purpose of lead service line replacements. In addition, the City will explore available grant opportunities as another option for funding. As services are replaced, the costs associated with those replacements will be tracked. This will allow City personnel the opportunity to make any updates to the capital fund or other sources to ensure funding is available for future replacements.

There are times when utility bills are not paid by customers. In these cases, the City will disconnect utility service until payment has been received. However, it should be noted that only the electric service is typically disconnected, and the water service is not disconnected unless they are a water only customer. Currently the City requires payment in full, but consideration may be made, with City Council approval, to allow structured payments on a case-by-case basis. For customers needing financial assistance, help is available through the Low-Income Home Energy Assistance Program (LIHEAP) administered by Western Egyptian Economic Opportunity Council, Inc.

Additional information on the City of Red Bud can be found on the City's website at www.cityofredbud.org, by contacting City Hall at 618-282-2315, or by contacting the Utility Department at 618-282-3339.

Appendix A



Appendix B

What Are The Health Effects of Lead?

Lead can cause serious health problems if too much enters your body from drinking water or other sources. It can cause damage to the brain and kidneys, and can interfere with the production of red blood cells that carry oxygen to all parts of your body. The greatest risk of lead exposure is to infants (particularly if they drink formula prepared with water containing elevated levels of lead), young children, and pregnant women. Scientists have linked the effects of lead on the brain with lowered IQ in children. Adults with kidney problems and high blood pressure can be affected by low levels of lead more than healthy adults. Lead is stored in the bones, and it can be released later in life. During pregnancy, the child receives lead from the mother's bones, which may affect brain development.

What Are The Sources of Lead?

The primary sources of lead exposure for most children are deteriorating lead-based paint, lead-contaminated dust, and lead-contaminated residential soil. Exposure to lead is a significant health concern, especially for young children and infants whose growing bodies tend to absorb more lead than the average adult. **Infants that drink formula prepared with lead-contaminated water are at a greater risk because of the large volume of water they drink relative to their body size.** Lead is rarely found in source water, but enters tap water through corrosion of plumbing materials. Homes built before 1986 are more likely to have lead pipes, fixtures and solder.

What Can I Do To Reduce Exposure to Lead in Drinking Water?

If the level of lead found in your drinking water is above 15 ppb or if you are concerned about the lead levels at your location, there are several things you can do:

- ***Run your water to flush out lead.*** If water hasn't been used for several hours, run water from your kitchen tap or whatever tap you use for drinking and cooking for at least 3 minutes and it becomes cold or reaches a steady temperature before using it for drinking or cooking. This will help flush lead-containing water from the pipes. In order to conserve water, you can fill multiple containers after flushing for drinking, cooking, and preparing baby formula.
- ***Bottled drinking water should be used by pregnant women, breast-feeding women, young children, and formula-fed infants at homes where lead has been detected at levels greater than 15 ppb.***
- ***Use cold water for drinking, cooking, and preparing baby formula.*** Do not cook with or drink water from the hot water tap; lead dissolves more easily into hot water. Do not use water from the hot water tap to make baby formula.
- ***Do not boil water to remove lead.*** Boiling water will not reduce lead.
- ***Look for alternative sources or treatment of water.***
- ***Test your water for lead.*** Call us at the number below to find out how to get your water tested for lead.
- ***Identify if your plumbing fixtures contain lead.*** New brass faucets, fittings, and valves, including those advertised as "lead-free," may contribute lead to drinking water. As of June 19, 1986, new or replaced water serviced lines and new household plumbing materials could not contain more than 8% lead. Lead content was further reduced on January 4, 2014, when plumbing materials must now be certified as "lead-free" to be used (weighted average of wetted surface cannot be more than 0.25% lead). Consumers should be aware of this when choosing fixtures and take appropriate precautions.

Appendix C

Plan Review and/or Revision Log

Date	Notes
April 15, 2024	Initial Plan Completed
April 9, 2025	<ol style="list-style-type: none"> 1. Plan Revised 2. Completed a Service Inventory Survey 3. Performed Service Line Checks (Maintenance, New Installs, Etc.) 4. Updated Inventory Based on Survey Results and Service Line Checks
March 26, 2026	<ol style="list-style-type: none"> 1. Plan Revised 2. Performed Service Line Checks (Maintenance, New Installs, Etc.) 3. Updated Inventory Based on Service Line Checks