



Winston-Salem/Forsyth County Utilities

October 11, 2022



Lead & Copper Rule History

 Original Lead and Copper Rule (LCR) was promulgated by the Environmental Protection Agency in January of 1991

 LCR is the only rule that requires sampling from inside customer homes

 WSFC Utilities began a corrosion control program in March 1992

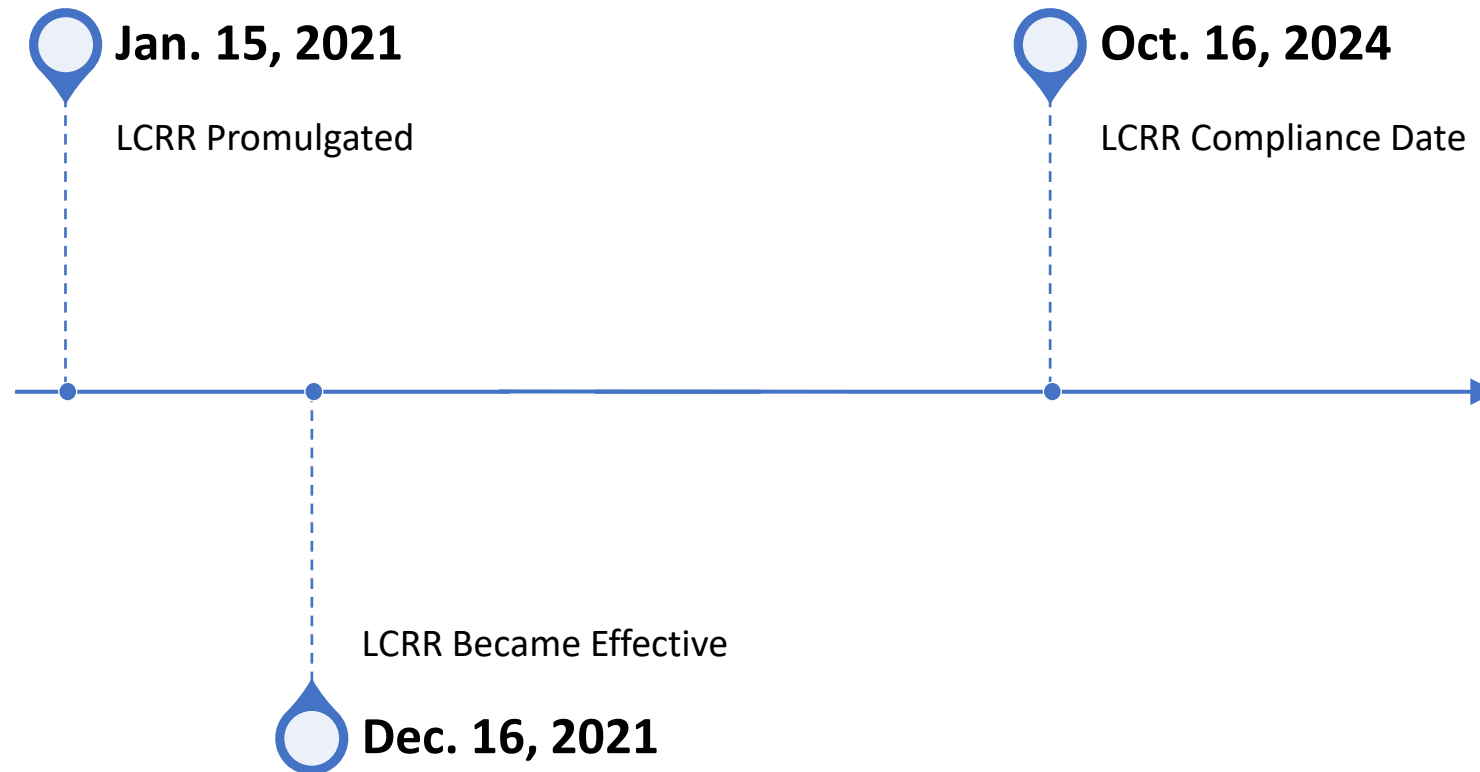
 Since original rule was published there have been several minor revisions

 WSFC Utilities has maintained an excellent compliance history with the original LCR and all revisions

 Developing a Lead Compliance Program to ensure continued compliance with requirements of the LCR Revisions of 2021

Lead & Copper Rule Revision of 2021

EPA Lead and Copper Rule Revisions (LCRR)



Lead & Copper Rule Revision Overview



Service line inventory (public and private sides included)



Update LCRR Compliance Monitoring Plan (sampling at selected homes)



Service Line Replacement Plan



School and Childcare List and Sampling Plan



Prepare public education and outreach materials

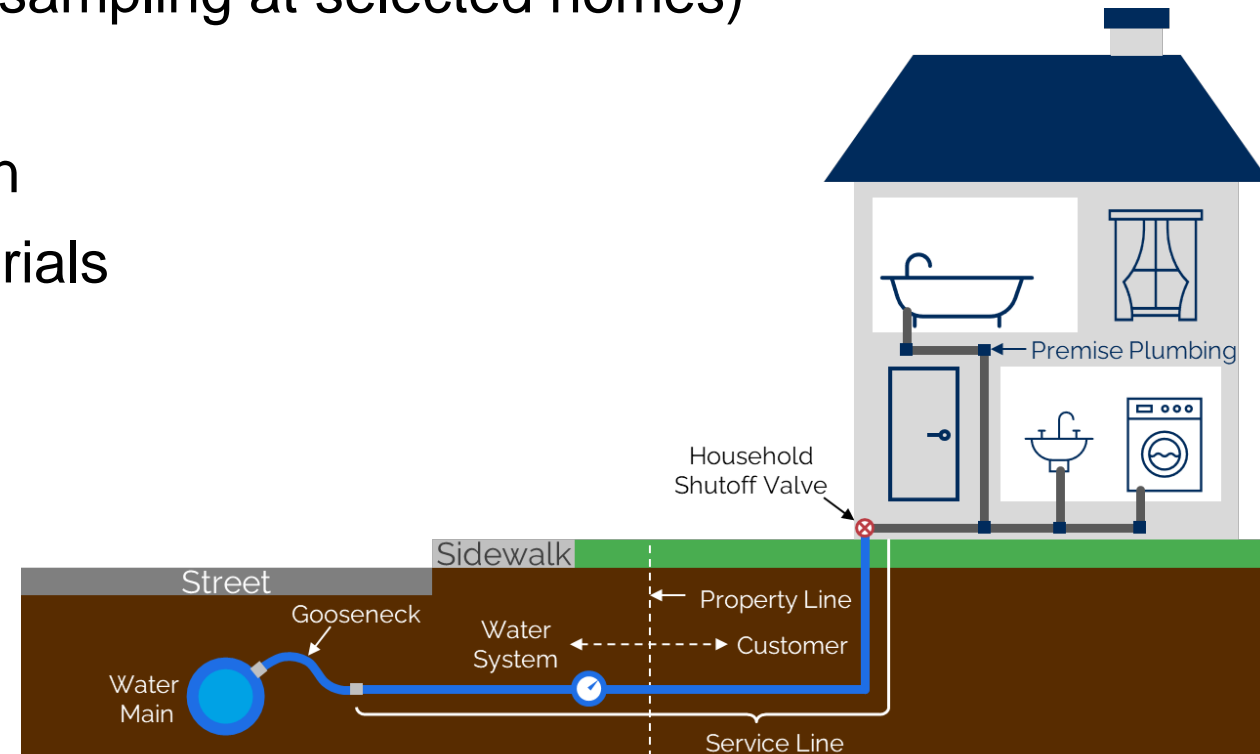


Submit to Primacy Agency for approval



Compliance deadline: **Oct. 16, 2024**

***Required for every utility in the U.S.**



Lead Service Line Inventory

- ↳ Letters will be mailed to approximately 300 customers to perform vacuum excavations to determine service line material
- ↳ WSFC Utilities hopes to get 150 respondents
- ↳ Results will be used in predictive modeling
- ↳ WSFC Utilities received a \$400k grant for development of program

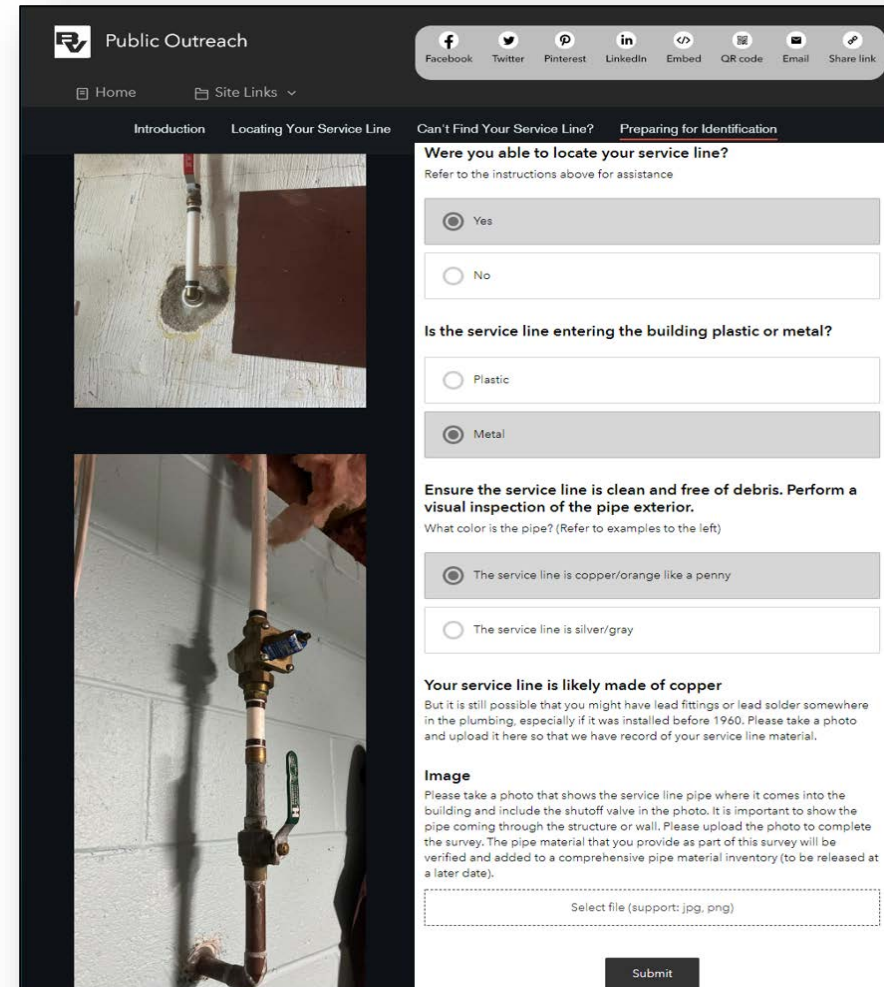


Lead Service Line Inventory

Letters will eventually be sent to all customers

Customers will have the opportunity to report their own service line material through a customer service line identification form available on the program dashboard online

This will help us gather additional information about material types in homes or businesses



Public Outreach

Home Site Links

Introduction Locating Your Service Line Can't Find Your Service Line? Preparing for Identification

Were you able to locate your service line?
Refer to the instructions above for assistance

Yes

No

Is the service line entering the building plastic or metal?

Plastic

Metal

Ensure the service line is clean and free of debris. Perform a visual inspection of the pipe exterior.
What color is the pipe? (Refer to examples to the left)

The service line is copper/orange like a penny

The service line is silver/gray

Your service line is likely made of copper
But it is still possible that you might have lead fittings or lead solder somewhere in the plumbing, especially if it was installed before 1960. Please take a photo and upload it here so that we have record of your service line material.





Image
Please take a photo that shows the service line pipe where it comes into the building and include the shutoff valve in the photo. It is important to show the pipe coming through the structure or wall. Please upload the photo to complete the survey. The pipe material that you provide as part of this survey will be verified and added to a comprehensive pipe material inventory (to be released at a later date).

Select file (support: jpg, png)

Submit



Compliance Monitoring Plan

-  Based on the completed service line inventory and predictive modeling results
-  Identify a list of sampling sites based on the updated LCRR tier structure
-  Develop a plan for communication materials and new sampling protocols if lead service lines are found
-  Customers that have lead service lines that choose not to replace must be notified annually

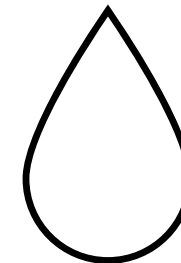
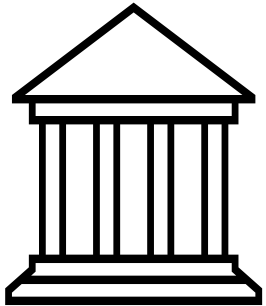
Service Line Replacement Plan

- Required for all utilities with lead service lines, galvanized lines requiring replacement & unknown material lines
- Prioritization for replacement
- Plan implemented if lead action level or trigger level exceeded



School and Childcare Sampling Plan

- Young children and infants are particularly vulnerable
- Goal is to increase knowledge of potential lead exposure
- Increased testing at schools and childcare facilities
- Prioritize social/environmental equity
- Five-year testing cycle
- Rule calls for testing at only elementary/middle schools, WSFC Utilities will test all schools



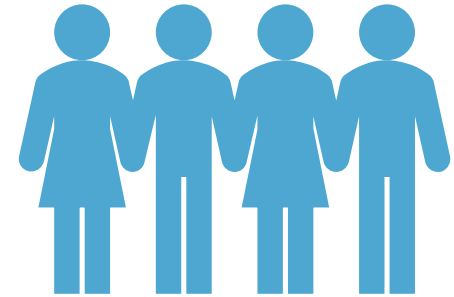
Public Education



Drives customer and stakeholder awareness and engagement

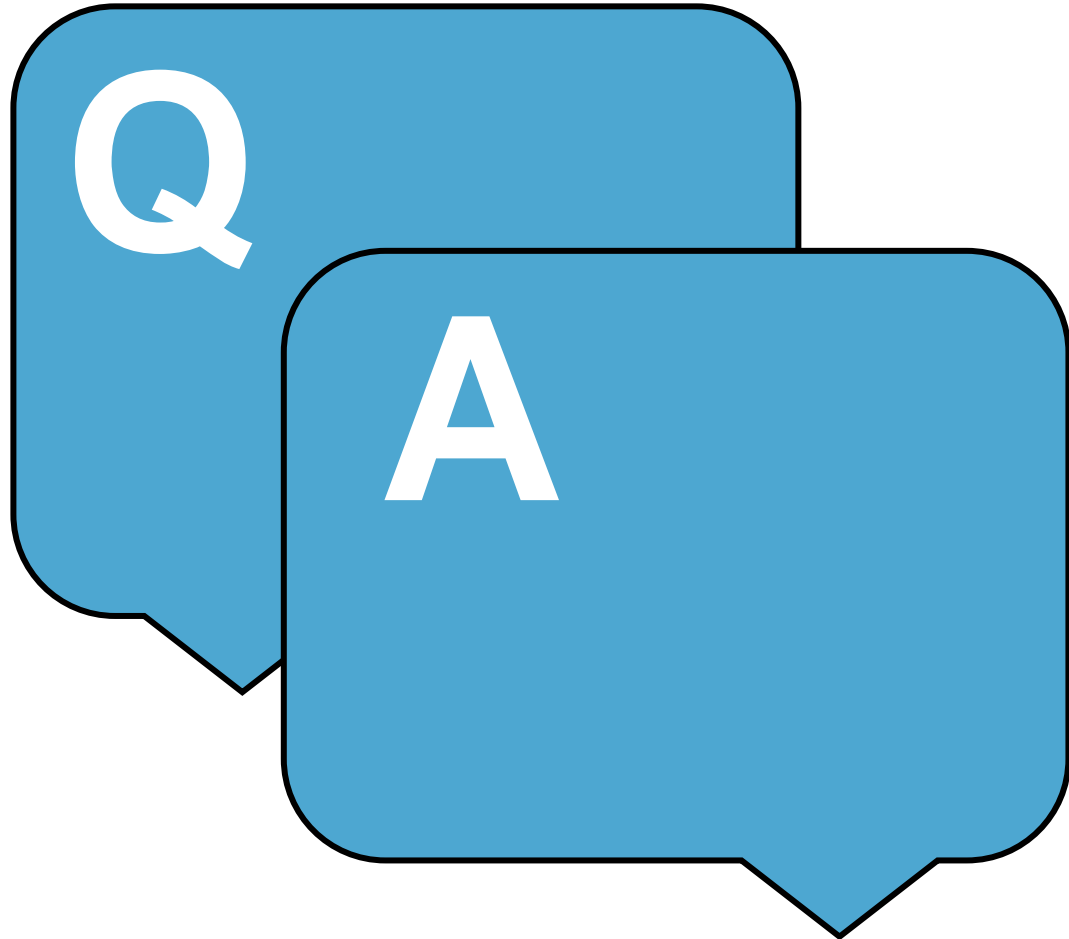


Focuses on transparency and proactivity



Informs and educates the public about lead exposure and the program

Lead Compliance Program



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