



## Committee of the Whole Meeting - Final

July 13, 2023

6:30 PM

- 
- B. **COW2023-038** Presentation regarding Lead and Copper Mandates – Bo Jones  
*Citywide*

# Lead and Copper Rule Compliance

A short, thick green horizontal line is positioned below the first word of the title. A large, dark blue curved shape, resembling a quarter-circle, is located in the bottom right corner of the slide.



## Reference Guide for Public Water Systems Lead and Copper Rule Comparison

This table compares the major differences between the current Lead and Copper Rule (LCR) and the final Lead and Copper Rule revisions (LCRR). In general, requirements that are unchanged are not listed. For existing rule requirements visit: <https://www.epa.gov/dwreginfo/lead-and-copper-rule>. For more information on the new LCR visit: <https://www.epa.gov/ground-water-and-drinking-water/final-revisions-lead-and-copper-rule>.

Notified in December 2020

# Service Line Inventory

“Public Water Systems must develop a preliminary inventory of both **public and private** side service lines within 3 years of final rule publication, and use this preliminary inventory to **create a replacement plan** for known or possible lead service lines”



Develop

Develop your preliminary inventory



Verify

Public and private side LSL verification



Replace

Create and execute your LSLR

Communicate

EPA is requiring water systems to **identify** and **make public** the locations of lead service lines



## Develop

Develop your  
preliminary  
inventory

- Data started to be collected from various sources to begin building inventory prior to 1990 with tax parcel data
- April 2021 Water Department required all builders to replace service lines even on existing lots.
- January/February 2022, inventory was completed and installed on our computer-based platform, which consisted of no lead, unlikely, and or unknown. Unknowns are considered lead unless verified that it is not. 2/3<sup>rd</sup> of the city is considered Unknown service connections.
- 12 months to complete upfront inventory

## Revisions to the EPA Guidelines for Lead and Copper Water Service Lines

**Enforced as of April 23, 2021**

The Lead and Copper Revisions are available on the EPA website (<https://www.epa.gov/dwreginfo/lead-and-copper-rule>). There are some major changes which will affect every water system, so it is important that you begin preparing immediately for the changes. Some items may require having extra funding in the future if they occur.

### Revision Highlights:

- **Service Line Inventory**
  1. All water systems will have to complete a lead service line inventory of their whole system including the service lines of their customers to determine if any of them are lead. The Lead Service Line (LSL) inventory must be completed within 3 years of the final rule publication, which has been delayed until later this year. The inventory must be updated annually or triennially (based on sampling frequency).
  2. All water systems with known or possible lead service lines must develop a Lead Service Line Replacement Plan.
  3. All Community Water System Surveys (CWSs) are required to include information on how to access the LSL inventory and how to access the results of all tap sampling in the Consumer Confidence Report (CCR).
- **Sample Site Selection**
  1. Sites served by LSLs will be prioritized.
  2. If sites with copper pipes with lead solder are the highest tiered sites available, there is no installation date limitation.
- **All Elementary Schools and Day Cares** within the water system's service area must be identified. Will require sampling of 20% of each over 5-year period.

### Effects on New Home Building Permits:

- All new homes must install a new water service line and kill out old existing service at water main, regardless if a home existed on the lot previously.
- The builder will no longer have to pay water meter upgrade fees to supplement the cost of the water service line replacement (this only affects homes that were demolished and rebuilt, including 50% additions such as turning one story dwelling into two story dwelling).

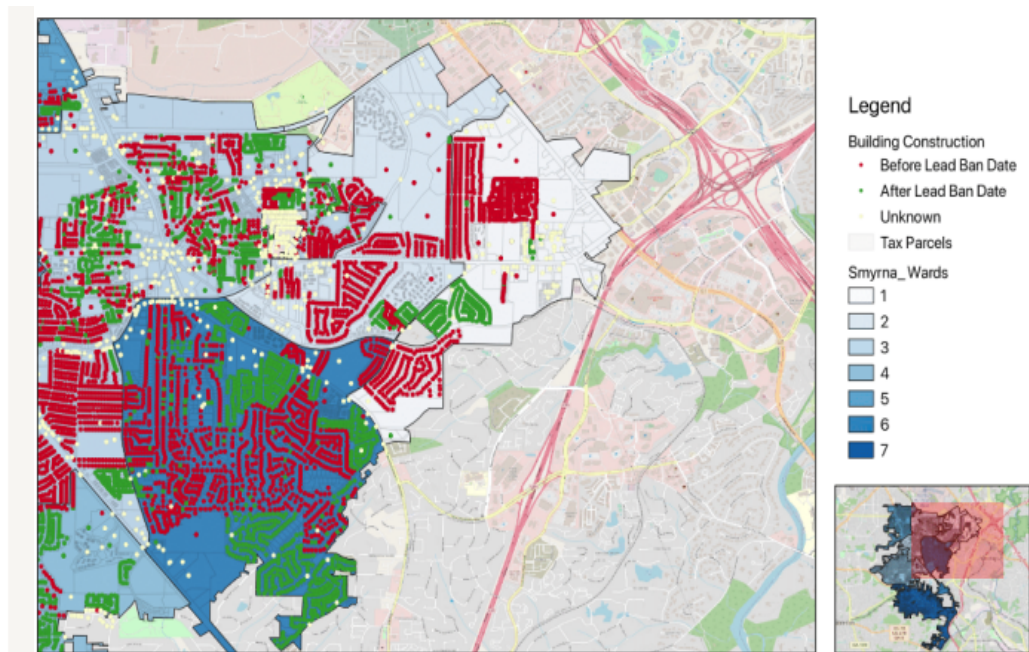
### Links to Helpful Information:

<https://www.lslr-collaborative.org/epas-lcr.html>

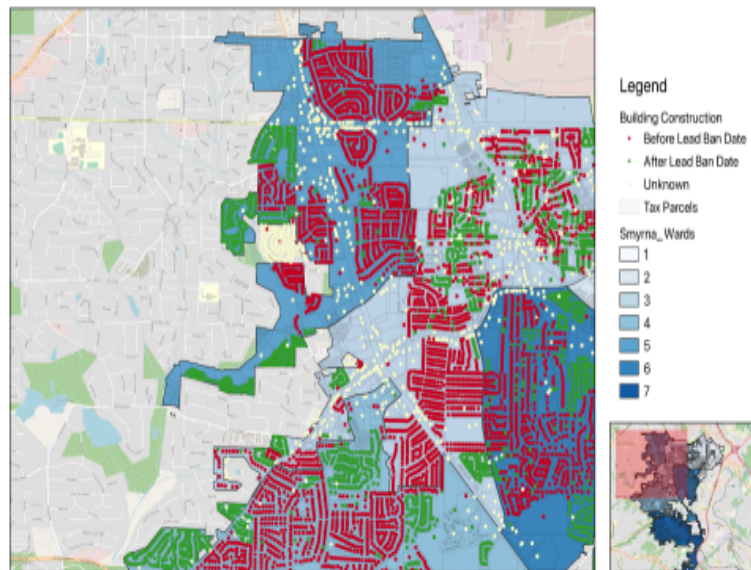
<https://www.epa.gov/dwreginfo/lead-service-line-identification-and-replacement-webinars>

<https://www.lslr-collaborative.org/preparing-an-inventory.html>

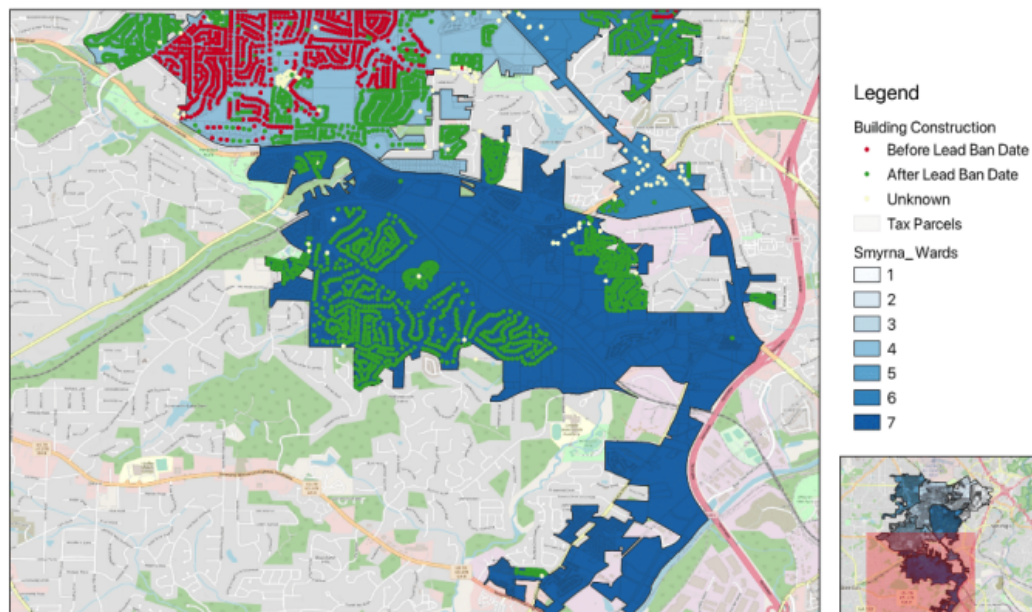
Smyrna Distribution System: Northeast Quadrant



Smyrna Distribution System: Northwest Quadrant



Smyrna Distribution System: Southern Half







Verify

Public and  
private side LSL  
verification

- First round of test kits mailed out to Ward 3 ( April 19<sup>th</sup> 2022), (based off age of home) 800 test kits procured and 400 kits deployed, 200 returned with city side and customer side cleared of lead.
- Schools and daycare test kits deployed with 25 out of the 32 verified.
- Overall testing not as successful as anticipated.
- December 2022 RFQ put out for contractor to excavate and verify.
- Post cards made and given to citizens about excavation process and why.
- Citizens were notified on social media of the work being done as well.
- We still have 400 kits remaining to be sent out and this will be for the areas that cannot be physically verified.
- 3,000 services both public and private verified and uploaded to portal.

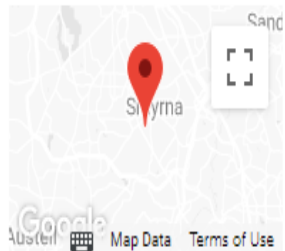


# 1026 Pinehurst Dr SE, Smyrna, GA 30080

+ Add Asset

Location External ID: 4508000

Details Samples Communications Contacts Service Lines Activities



33.87207, -84.523983

Program

[Lead Service Line](#)  
[Validation/Replacement](#)  
[Sampling](#)

Events

[Smyrna LSLR](#)  
[LSL Screening](#)

Service Line External ID: 1026 In Service

Edit Details

Delete

## Public Line

Material Verification

**No Lead** **Records**

Installed Date Verified By

-- --

Verification Date Removal Date

-- --

Diameter (in) Depth (in)

-- --

## Fittings

Lead Fittings

**Unknown**

Verification

--

Verified By

--

Verification Date

--

## Private Line

Material Verification

**Likely Non-lead** --

Installed Date Verified By

-- --

Verification Date Removal Date

-- --

Diameter (in) Depth (in)

-- --

## Custom Fields

Record File Name

**Copper and Lead Compliance**  
**Worksheet 110821.xlsx**

Record Type

**Service Line Replacement**





Replace

Create and  
execute your  
LSLR



## Testing

1<sup>st</sup> or 5<sup>th</sup> liter comes back positive

1<sup>st</sup> liter customer will be notified

5<sup>th</sup> liter comes back positive

City side service line gets replaced.

When city replaces public side a Brita pitcher filter must be provided to the customer until required round of testing has been completed.

Pictures are taken of replacement and uploaded to data base.



Replace

Create and  
execute your  
LSLR

## Physical verification

Customer side verified to be lead based material, customer will be notified.

Public side verified to be lead based material, service line will then be replaced.

When city replaces public side a Brita pitcher filter must be provided to the customer until required round of testing has been completed.

Pictures are taken of replacement and uploaded to data base.

**Photo Filename: 3766 Ashwood dr-1**

**Date Taken**

13-Mar-2023

**Date Uploaded**

13-Mar-2023

**Location**

3766 Ashwood dr

**Comments**

City Side: 3/4 Copper

House Side: 3/4 Galvanized



