



LEAD AND COPPER RULE REVISIONS

Do you have a compliance strategy?

The Lead and Copper Rule Revisions (LCRR) represent a major change in drinking water regulations impacting all 60,000+ public water systems in the U.S.








All water systems will be required to develop a lead service line (LSL) inventory, strengthen treatment to comply with a new 10 microgram per liter ($\mu\text{g/L}$) trigger level, sample schools and childcare facilities, and enhance public communications.

Systems with LSLs will need to develop a replacement program depending on lead compliance sample concentrations.

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What Will Be Required?

All systems need to provide the following materials by October 16, 2024:

-  LSL inventory
-  List of childcare facilities and elementary schools within the service area
-  Compliance sampling plan, updated as needed to address LCRR
-  Updated communications that address the LCRR
-  LSL replacement plan for LSLs (including galvanized requiring replacement) or service lines with a lead status unknown

Prepare for Compliance

- Begin compiling records and developing an LSL inventory. Records and strategies to develop an inventory for the public and private service lines may vary.
- Review your GIS for information to support LSL inventory development and feasibility of linking location identifiers to your electronic documents.
- Prepare defensible assumptions. According to the Federal Register, utilities can assume lead status based on local ordinances / codes stipulating service line material type(s).
- Review lead and copper compliance data to determine if your system may be impacted by the 10 µg/L trigger level, or new requirements for individual samples above 15 µg/L. If compliance is anticipated to be a challenge, review corrosion control treatment and optimization strategies.
- Develop list of childcare facilities and schools and initiate discussions with facility managers on required sampling.
- Review new requirements for public notification and begin developing materials and a plan for compliance.

LSL Inventories Will Take Time to Prepare

A combination of approaches will likely be needed to develop a defensible inventory.



Research records and historic construction practices



Apply GIS-based tools



Analyze water quality results and profiling



Visually inspect pipe materials/excavating

Carollo is Here to Help

Carollo can help you determine how your system will be impacted and work with you to develop and implement a compliance plan. We can support you in the following ways:

Navigating the intricacies of the 115-page rule.

Identifying a LCRR Compliance Strategy that is specific to your utility.

Digitization of records, integration into GIS, and other digital solutions.

Reviewing changes in water quality or treatment that could impact future compliance.

Conducting desktop, bench, or pipe loop corrosion control testing to meet compliance requirements and identify treatment to achieve lower lead concentrations.

Assisting with compliance with the current LCR.

- Corrosion control study.
- Evaluating and addressing the impact of source water or treatment changes.
- Developing optimized water quality parameters (OWQPs).

For additional information on the LCRR or expertise at Carollo Engineers, please visit our [website](#) or contact Caroline Russell at crussell@carollo.com.

