



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 studies.
 - 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.

