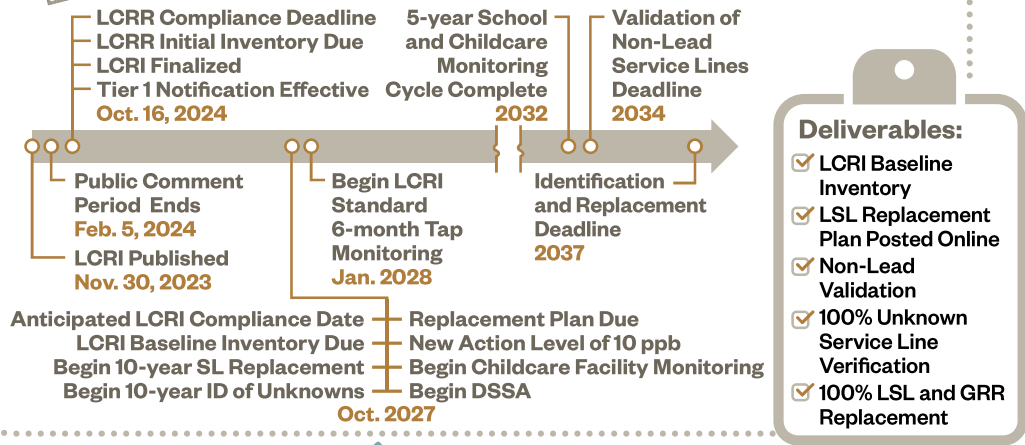


# Quick Reference Guide:

# Lead and Copper Rule Improvements (LCRI)



## Compliance Timeline and Deliverables:



## Service Line Inventory

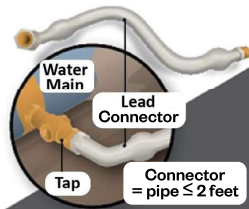
### Additional Information Required in LCRI Baseline Inventory:

- Connector material
- Street address for each service connection

### Public Accessibility:

- Make available online for systems serving > 50,000 persons.
- Response to customer inquiries on incorrect service line material required within 60 days.
- Make the following publicly available:
  - Number of LSLs, GRR, Unknowns.
  - Number of known lead connectors.
  - Number of LSLs and GRRs replaced each year.

*Update annually regardless of monitoring frequency.*



### Lead Connector Requirements:

- Review records for information on connector materials.
- Include lead connectors in LCRI baseline inventory.
- Replace lead connectors as encountered in the field.

## Service Line Identification

### Service Line Identification:

- Identify 100% of unknowns within 10 years
- States determine acceptable investigative methods
- Distribute pitcher filters after vacuum excavations or other pipe disturbance

### Inventory Validation for Non-Lead Service Lines:

- Validate a subset of Non-Lead service lines to achieve a 95% confidence level:
  - >1,500 Non-lead Sites: Verify between 322-384 sites
  - ≤1,500 Non-lead Sites: Verify at least 20%
- Requirement applies to Non-lead designations made based on methods other than records review or 2-point field verification.

*Validation must be completed and submitted to the State 3 years prior to the replacement deadline.*

## Service Line Replacement (SLR)

### Replace 100% of Lead Service Lines (LSLs) and Galvanized Requiring Replacement (GRR) in 10 Years:

- Required for all system regardless of lead levels
- 10% minimum annual replacement rate calculated on a rolling 3-year period.
- Replacement Pool = LSLs + GRR + Unknowns
- Replacement pool updated annually:
  - Non-Lead previously classified as LSL or GRR subtracted
  - LSLs or GRR previously classified non-lead added
  - LSLs or GRR previously classified as unknown remain in total count
  - LSLs and GRR replaced remain in total count

*Systems must replace service lines by a shortened deadline if deemed feasible by the State.*

### Reasonable Effort to Engage Customer:

- Four attempts, two different methods.
- Additional four attempts following change in ownership.



### Eligibility Criteria for Deferred Deadlines:

- Systems required to replace > 10,000 service lines per year.
- Systems exceeding 0.039 replacements per household per year.

$$\frac{\text{Annual Replacements}}{\text{Total Number of Services}} \geq 0.039$$

### Calculating Deferred Deadlines:

$$\frac{\text{Total Number of Known LSLs \& GRR}}{\text{Total Number of Services} \times 0.039}$$

### Replacement Plan Updates:

- Make publicly accessible by the LCRI compliance deadline.
- Make available online for systems serving > 50,000 persons.
- Identify any laws or water tariff agreements that may affect the system's ability to gain access for full SLR.
- Include a communication strategy to inform customers, owners, and residents about SLR opportunities.

### Post-SLR Mitigation:



Offer Follow-Up Sampling



Provide Pitcher Filters

### Additional Mitigation for Partial SLR:

- Offer to perform 1st and 5th liter follow-up sampling.
- Offer to replace customer-owned portion within 45 days.
- Install a dielectric coupling to separate the new and existing service lines.

*Partial replacements only allowed during emergency repairs or in coordination with planned infrastructure work (i.e., water main replacements).*