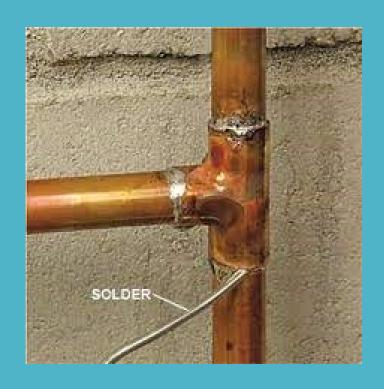
Lead & Copper Rule Revisions

Summary by Suzy Folsom November 10, 2021



- Rule to protect public health
- Drinking Water Public Supply
- New Requirements in the revision
 - Pipe Inventory
 - Increased Sampling and Reporting
 - Quantity
 - Frequency
 - Schools and Childcare Facilities
 - Increased Treatment
 - Lead Service Line Replacement
 - ■Public Outreach

Rule Overview

Why is lead bad for humans?

- Reduced IQ
- •Harmful to children
- •Interferes with Calcium
- Stored in bones and teeth
- Cumulative effects





Pipe Inventory

October 16th, 2024

Categories:

- 1. Lead
- 2. Galvanized requiring replacement
- 3. Lead status unknown
- 4. Non-lead

Publicly accessible

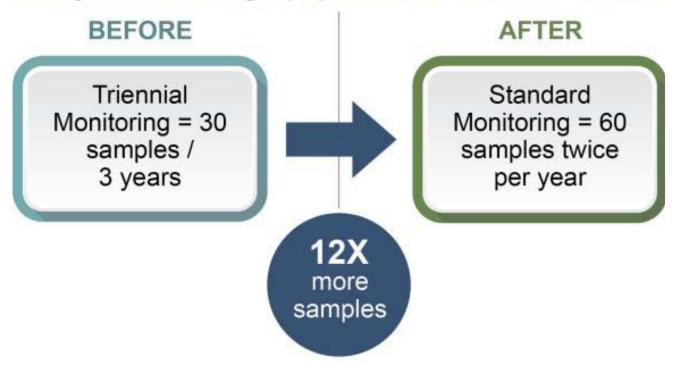
Online if > 50,000 people

Updated over time



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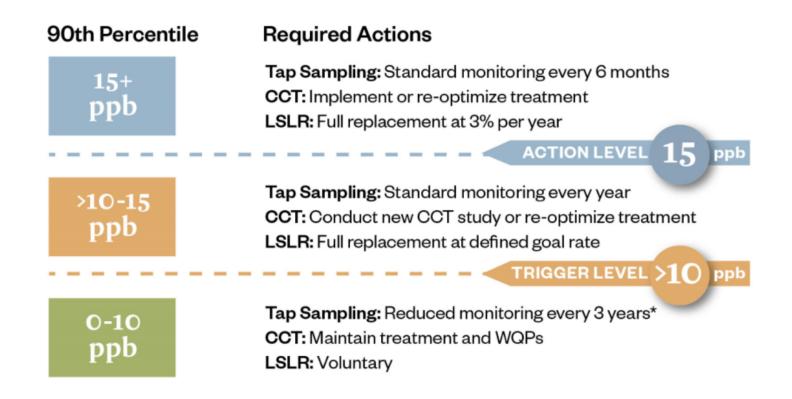
For systems serving a population of 10,000 to 100,000:



More Water Quality Sampling

| System Population | Samples |
|-------------------|---------|
| >100,000 | 100 |
| 10,001 -100,000 | 60 |
| 3,301 -10,000 | 40 |
| 501 -3,300 | 20 |
| 101 -500 | 10 |
| <100 | 5 |

Water Quality Samples Required



90th Percentile Requirements

Sample Frequency

2x per year

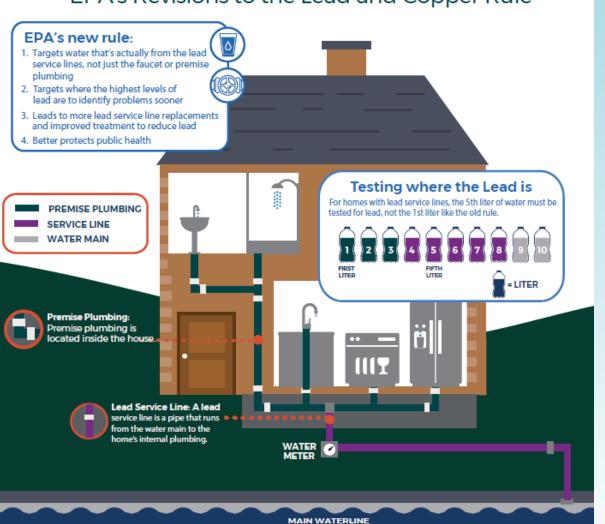
Reduce Frequency can be requested:

- 1x per year if 90% of samples are < 15 μg/L
 but > 10 μg/L
- 1x ever 3 years if 90% of samples are < 10 μg/L



Improving Lead Sampling to Better Protect Public Health

EPA's Revisions to the Lead and Copper Rule



Corrosion Control Water Treatment

- Orthophosphate inhibitor
- Treatment addition required if 90% of samples are > 15 μg/L
- Treatment study must be completed if 90% of samples are < 15 but > 10 μg/L
- No treatment changes required if 90% of samples are > 10 μg/L



Lead Service Line Replacement

- Replace 3% per year if 90 % of Samples > 15 μg/L
- Replace a lower % if 90% of samples are < 15 but > 10 μg/L
- No treatment changes required if 90% of samples are $> 10 \mu g/L$



Schools

Child Care

Starting in 2025 for the first 5 years:

- Primary Schools
- High Schools by request
- Licensed Child Care facilities
- Minimum 20% per year
- 5 locations, focus on water fountains and food prep areas
- Results reported within 30 days
- Excludes plumbing installed after January 1, 2014.





Public Education Outreach

- Tell customers how to access:
 - LSL inventory a
 - Sampling results (CCR).
- If lead sample is higher than 15 ppb, notify direct customers within <u>24</u> hours.
- Inform consumers <u>annually</u> that they are served by LSL or lead status unknown service line.
- Encourage Participation in the Lead Service Line Replacement program.
- Updated health effects language in Consumer Confidence Report.
- Must be translated in other languages upon request.

Schedule

- ■Rule Revision effective December 2021
- ■3 years to complete
 - Lead Service Line inventory
 - Lead Service Line Replacement Plan
 - Planning to test schools and child care facilities
 - Public Education and Outreach
- Starting in 2025
 - Increased Sampling and Reporting Requirements