Lead and Copper Rule Revisions

How does this Affect Water Customers?

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Presentation Overview

- History of the Lead and Copper Rule
- Lead and Copper Action Levels
- Lead and Copper Rule Revisions (LCRR)
- Water Resources Response
- Water Resources Responsibilities
- Potential Responsibility for Water Customers

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History of the Lead & Copper Rule

The initial Lead & Copper Rule was first passed in 1991

- City of Asheville has always met the requirements of the Rule.
- Rule Requirements:
  - Collecting samples in customer homes to ensure Lead & Copper Levels did not exceed action levels set by EPA.
  - Began treating the drinking water to reduce corrosion in service lines and in household plumbing.

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Lead & Copper Action Levels

Lead Action Level: 15ppb or 0.015ppm

Copper Action Level: 1300ppb or 1.3ppm

Health Effects: Lead can cause damage to the brain & kidneys in adults. In children under 7, lead can slow development, potentially causing learning & behavioral problems.

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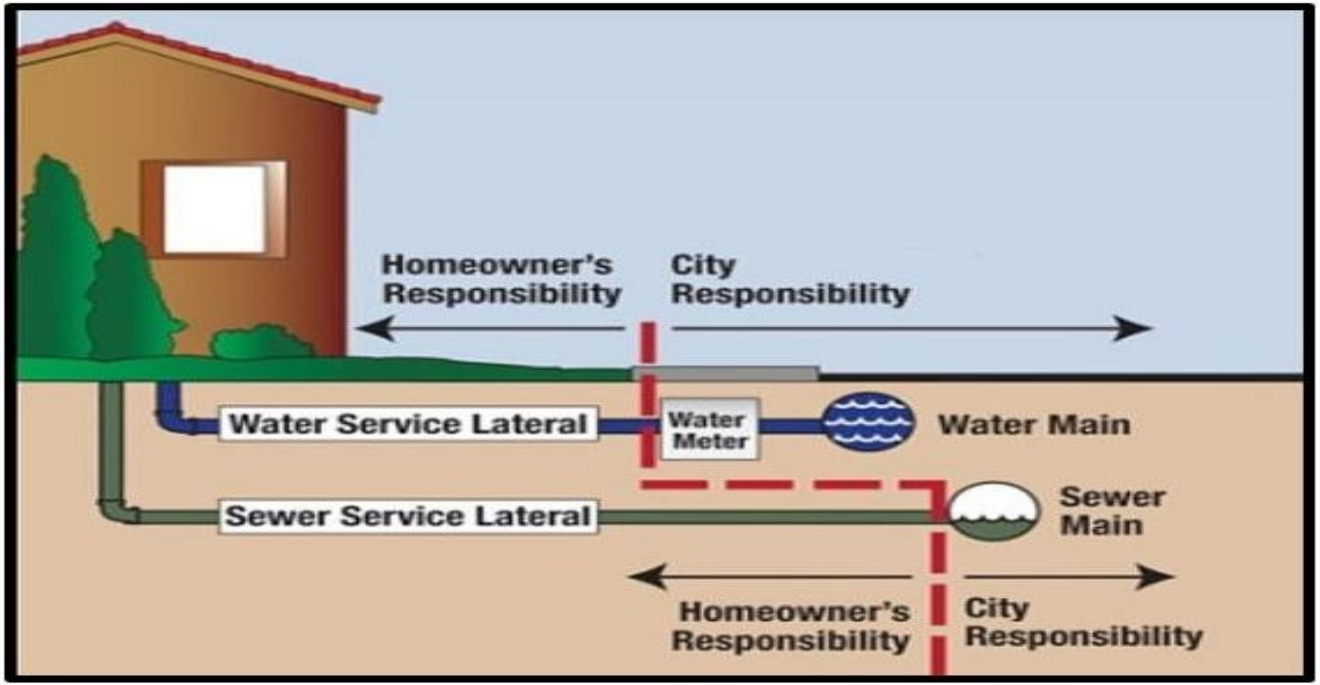
Lead and Copper Rule Revisions (LCRR)

- **EPA passed new revisions in late December 2020.**
- **Main Focus Areas:**
  - Different sampling locations & protocols to find more sources of lead in drinking water.
  - Establishing a trigger level to ensure earlier mitigation
  - Requiring complete lead service line replacements (public and private side) if action level is exceeded.
  - Requiring testing in schools & daycare facilities
  - Requiring water systems to identify and provide information to homeowners & the public the locations of lead service lines.

LCRR - Water Resources Response

- April 2020 - Reviewing Proposals from Consulting Firms
- May 2020 - Reviewing & Gathering Data on service line materials
- June 2020 - Water Production Staff began working with GIS for public map of service line points.
- July 2020 - Crews & Contractors are documenting private and public service line materials during routine repairs and neighborhood enhancement projects.
- December 2020 - Contracted with 120Water Audit, INC

Water & Sewer Responsibilities



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Water Resources Responsibilities

Service Line Inventory - available to the public by 2024

- Any lead service lines or lead fittings (goosenecks) on city side of the meter will be replaced as soon as possible when found.
- Testing will be provided if any work is performed on a lead service line or galvanized line preceded by a lead fitting or lead service line.
- Water pitcher filters will be provided to customer if work is performed on a lead service line on either side of the meter or if lead results are above the action level.

Water Resources Responsibilities

- Customers who have lead, galvanized preceded by lead connections, or unknown material will be notified annually, including how to reduce exposure, health effects language and resources on how to get their service line replaced.
- Lead Service Line Replacement Plan in place by 2024. Only a full replacement counts (this means both the customer & utility sides).
- A funding strategy for service line replacement.

LCRR - Water Resources Responsibilities

School & Daycare Facility Testing

- Revisions require all elementary schools & licensed daycare facilities to be tested.
- If a middle or high school request testing, we are required to collect samples.
- All results must be made available to the public.
- Utilities can give schools & daycares advice on how to resolve any lead issues.
- Re-collect samples once a resolution has been applied.

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LCRR - Water Resources Responsibilities

Lead Prevention and Awareness Program (LEAP)

- LEAP website on Water Resources webpage.
- Community meetings in areas affected by Service Line Inventory or affected customers.
- Lead Hotline and Email for questions - on LEAP website
- Free Lead testing available for all City of Asheville water customers.
- Annual Reminders for customers affected (lead service line, galvanized preceded by lead or unknowns).

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Potential Responsibility for Water Customers

- **Follow recommended guidance to reduce lead exposure. Guidance is available on the LEAP website and will also be available in any letter sent to customers.**

- **All customers to participation in our Service Line Inventory Study.**

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Potential Responsibility for Water Customers

- **Participation in LSL Replacement Plan should they be contacted about replacement.**

- **Participation in Compliance Lead and Copper Testing if they are contacted.**

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Questions???

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