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PER-AND POLYFLUOROALKYL SUBSTANCES (PFAS) This is the fourth PFAS update presented to the Board since 2019. EPA adopted a Maximum Contaminant Level (MCL) on April 10, 2024 RPU has 5 years to comply Compliance based on a running annual average calculation Required to issue public notification of any exceedances California is planning to adopt its own MCL that may be more stringent PFAS Notification and Response Levels currently used as regulatory threshold until CA MCL is established RPU continues to remain below these levels Existing Treatment technologies in place are assisting in managing PFAS concentrations, but more treatment is needed to comply with the MCL

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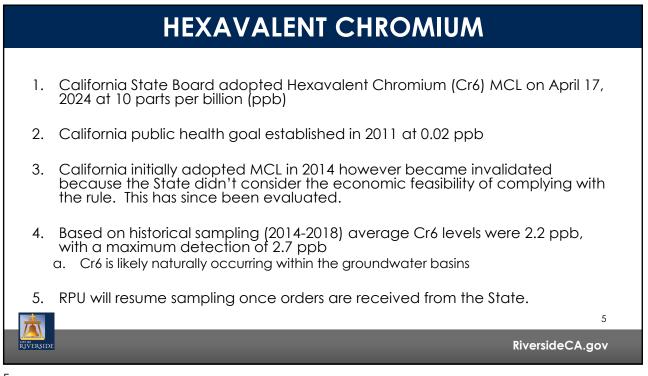
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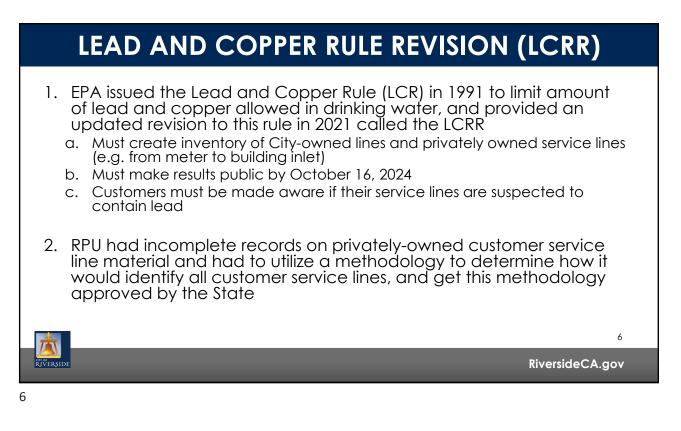
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Federal Regulatory Levels for PFAS in Drinking Water		
Compound	Final Maximum Contaminant Level Goal (MCLG)	Final Maximum Contaminant Level (MCL)
PFOA	Zero	4.0 ppt
PFOS	Zero	4.0 ppt
PFHxS	10 ppt	10 ppt
PFNA	10 ppt	10 ppt
HFPO-DA (Gen X)	10 ppt	10 ppt
Mixture of two or more: PFHxS PFNA, HFPO-DA, and PFBS	Hazard Index of 1	Hazard Index of 1
Note: PFBS Health-based water	concentration = 2,000 ppt	
$Hazard Index = \left(\frac{[GenX_{water}]}{[10 \text{ ppt}]}\right) + $	$\left(\frac{[PFBS_{water}]}{[2000 \text{ ppt}]}\right) + \left(\frac{[PFNA_{water}]}{[10 \text{ ppt}]}\right) + \left(\frac{[PFHxS_{water}]}{[9.0 \text{ pt}]}\right)$	<pre>water] ppt = parts per trillion</pre>

WATER SUPPLY SYSTEM AND PFAS

2023 AVG PFOS Highland 1. concentrations were non-detect, < 4 ppt 2. However, in 2023 we had a maximum detection of 4.3 Redlands ppt Highest detected PFOS was 5.9 ppt in 2021 3. Finalizing plans to implement additional treatment to meet 5-year deadline 4. Riverside Water Supply $\langle \hat{\mathbf{v}} \rangle$ System Ā **R**IVERSIDE **RiversideCA.gov**





LEAD AND COPPER RULE REVISION (LCRR)

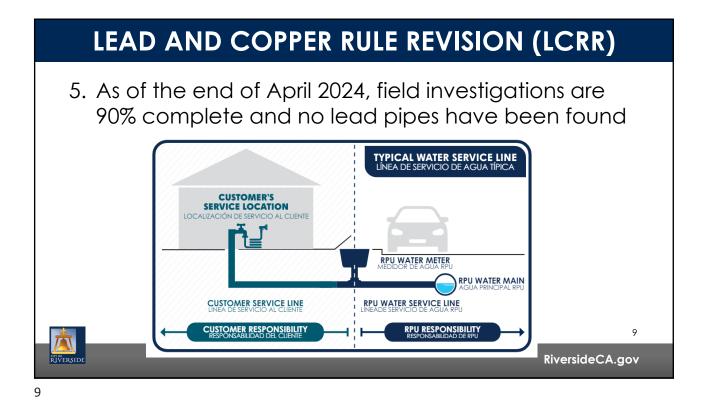
3. Fundamental assumptions were used rule out unknown service line materials

Criteria	Reasoning
Any pipe (4) inches and greater in diameter, regardless of building age or installation date will be classified as non-lead	Lead pipe was typically installed in smaller service line diameters. RPU will classify service lines (4) inches and greater as non-lead
Service lines installed after January 1, 1986, will be classified as non-lead	In 1986, California implemented a lead ban; pipe, solder, and flux was required to be "lead-free"
Assumes customer lateral is no larger or smaller than 1/2-inch of the utility service lateral (diameter)	Best practices
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LEAD AND COPPER RULE REVISION (LCRR)

- 4. After applying fundamental lead pipe assumptions, RPU had 41,530 service laterals with unknown material
 - a. Unknowns were further categorized by diameter and decade
 - b. Applied a randomized sampling statistical approach with 95% confidence interval to verify the unknown service lines
 - c. Field verifying 3,297 service laterals
 - d. California Department of Drinking Water approved our methodology



LEAD AND COPPER RULE REVISION (LCRR)

6. Lead awareness page published in January 2024 https://riversideca.gov/utilities/residents/our

-water/lead-awareness

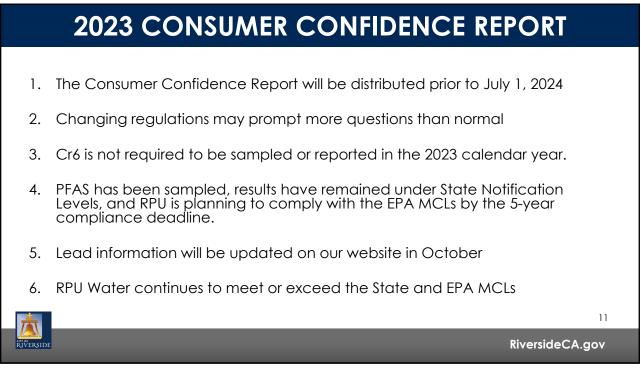


- 7. LCRR requires all elementary schools and licensed childcare facilities to be sampled for lead over the course of 5-years.
 - a. California already required K-12 public schools to be sampled for lead however these results will not count
 - b. 2017-2019, sampling was completed at 63 schools, with 3 drinking fountains exceeding the action level. Schools notified respective populations and replaced. Samples came back non-detect.

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RECOMMENDATION

That the Board of Public Utilities receive this regulatory update on Per- and Polyfluoroalkyl Substances, Hexavalent Chromium, the Lead and Copper Rule Revision, and the Consumer Confidence Report.

