We work with others to protect the health of the people of Washington State by ensuring safe and reliable drinking water.

PROPOSED LCR REVISIONS

Summary of Proposed LCR Changes

Kay Rottell, P.E.
Assistant Regional Manager
Southwest Regional Office
Important Dates

- November 13, 2019—Published in Federal Register
  - Sixty-day comment period

- January 13, 2020—Comments due to EPA

Action Level vs. Trigger Level

- **Action Levels**
  - Lead 15 ug/L (ppb)
  - Copper 1.4 mg/L (ppm)

- **Lead Trigger Level**
  - 10 ppb
  - Additional monitoring and treatment requirements
### Corrosion Control Treatment Requirements

<table>
<thead>
<tr>
<th>CCT Installed:</th>
<th>No CCT:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Re-optimize</td>
<td>Install treatment, regardless of subsequent P90</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>P90 &gt;15 ppb</th>
<th>LSL Replacement:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>3% per year</td>
</tr>
</tbody>
</table>

*Collect standard number of lead samples every 6 months*

### Corrosion Control Treatment Requirements

<table>
<thead>
<tr>
<th>CCT Installed:</th>
<th>No CCT:</th>
</tr>
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<tbody>
<tr>
<td>Re-optimize</td>
<td>Conduct corrosion control study (if required by state)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>P90 &gt;10 ppb &amp; &lt; 15 ppb</th>
<th>LSL Replacement:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Agreed upon goal</td>
</tr>
</tbody>
</table>

*Collect standard number of lead samples annually*
Corrosion Control Study

Evaluate each following treatments using pipe rig/loops, partial systems test, or documented analogous treatment

<table>
<thead>
<tr>
<th>Alkalinity and pH adjustment</th>
<th>Orthophosphate maintaining 1 mg/L (PO₄) in distribution</th>
<th>Orthophosphate maintaining 3 mg/L (PO₄) in distribution</th>
</tr>
</thead>
</table>

Requires Lead Service Line Inventory

- Full and Partial lead service lines
- Galvanized service lines connected or ever connected to lead gooseneck or other lead section of pipe
- Service lines of unknown material
Lead Service Line Replacement

- **If P90 > 15 μg/L**: Must fully replace 3 percent of LSLs per year for four consecutive six-month monitoring periods.

- **If P90 > 10 to 15 μg/L**: Implement an LSLR program with replacement goals in consultation with the Primacy Agency for two consecutive one-year monitoring periods.

Change in Sample Site Tiers

- **Tier 1**: Single Family Structures served by lead service line

- **Tier 2**: Buildings (including multifamily structures) served by lead service line

- **Tier 3**: Single Family Structures that contain copper pipe with lead solder
**Lead Monitoring Schedule**

- **P90 > 15 ppb**
  - every six months at standard number of sites

- **P90 >10 &<15**
  - annually at standard number of sites

- **P90 < 10 ppb**
  - annual or triennial at reduced number of sites

**Find and Fix**

- Lead sample >15 ppb
- Notify homeowner within 24 hours

- Collect WQPs within ½ mile
- Collect addition lead tap sample in home
- Determine cause and submit report
School and Daycare Sampling

- Requires systems to test drinking water in 20 percent of schools and 20 percent of childcare centers annually in their service areas in accordance with EPA’s 3Ts
- Report results to schools and ODW
- Information on how to reduce lead exposure

More Public Outreach

- Regular outreach to homeowners with lead service lines or unknown service line
- Lead ALE – requires Public Notification within 24 hours
- Individual Sample > 15 ppb - requires notice to homeowner within 24 hours
More Information about the Proposed Rule

epa.gov/ground-water-and-drinking-water/proposed-revisions-lead-and-copper-rule

Remember

Comments need to be submitted to EPA by January 13, 2020
How do I submit Comments


Contact Information

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