



## New Site Tiers & Sampling for Compliance

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### What we will cover

- Changes to Lead and Copper Sample Site Tiers
  - CWS
  - NTNC
- Sampling for Compliance
  - New "Trigger Level"
  - 1<sup>st</sup> Draw Tap Sample for Lead & Copper
  - 5<sup>th</sup> Liter Sample for Lead Service Lines
  - Criteria Exceptions
  - Find & Fix Samples

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# Tier Updates for Community Water Systems (CWS)

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## Current LCR Tiers

### Lead and Copper Site Selection Criteria: Community Water Systems (CWS)

<b>Tier 1</b>	It is a single-family structure that contains lead pipes or is served by lead service lines. Or a single-family structure that contains copper pipes with lead solder installed after 1982 but before the SDWA lead ban in 1988.
<b>Tier 2</b>	It is a building or multiple-family residence that contains lead pipes or is served by lead service lines. Or a building or multiple-family residence that contains copper pipes with lead solder installed after 1982 but before the SDWA lead ban in 1988.  It is a school or childcare facility that contains lead pipes or is served by a lead service line. Or a school or childcare facility that contains copper pipes with lead solder installed after 1982 but before the SDWA lead ban in 1988.
<b>Tier 3</b>	Applies to CWS Only. Single family structures that contain copper pipes with lead solder installed before 1983.
<b>Other</b>	Sites not defined by Tiers 1 – 2 or 3: explain: _____  School or childcare facilities that are not defined by Tier 2 explain: _____

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## Tiers Under LCRR as of 10/16/2024

### Lead and Copper Site Selection Criteria: Community Water Systems (CWS)

<b>Tier 1</b>	Single family residences (SFR) <u>served by lead service lines</u> . Tier 1 samples can be collected from multi-family residences if they represent at least 20 percent of structures served by the water system.
<b>Tier 2</b>	Buildings and multi-family residences (MFR) <u>served by lead service lines</u> .
<b>Tier 3</b>	Single family residences with <u>galvanized service lines downstream of a lead service line</u> , currently or in the past, or known to be downstream of a lead connector (gooseneck, pigtail, etc.)
<b>Tier 4</b>	Single family residences containing copper pipes with lead solder installed <u>before the effective date of the state's lead ban on July 1, 1988</u> .
<b>Tier 5</b>	Single family residences and buildings, including multi-family residences, that are representative of sites throughout the distribution system. <u>This category is only used when Tier 1-4 is not applicable to the system.</u>

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### Definition of “Representative Site”

“...a site in which the plumbing materials used at that site would be commonly found at other sites served by the water system.” 40 CFR 141.86(a)(7)

### For Sites with “Lead Status Unknown” Service Lines

Sites with a lead status unknown service line CANNOT be used for Tiers 1 - 4. If no alternative sites are available where the SL material is known, then Tier 5 can be utilized.

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## Tier Updates for Non-Transient Non-Community Water Systems (NTNC)

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## Current LCR Tiers

Lead and Copper Site Selection Criteria: Non-Transient Non-Community Water Systems (NTNC)	
<b>Tier 1</b>	<b>Buildings</b> <u>served by lead service lines.</u>
<b>Tier 3</b>	<b>Buildings</b> that contain copper pipes with lead solder installed before 1983.
<b>Other</b>	Sites not defined by Tiers 1 – 2: explain: _____

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## Tiers Under LCRR as of 10/16/2024

### Lead and Copper Site Selection Criteria: Non-Transient Non-Community Water Systems (NTNC)

<b>Tier 1</b>	<b>Buildings</b> that are served by lead service lines or contain lead pipes. Or <b>buildings</b> that contain copper pipes with lead solder installed after 1982 but before the SDWA lead ban in 1988.
<b>Tier 3</b>	<b>Buildings</b> with <u>galvanized service lines downstream of a lead service line</u> , currently or in the past, or known to be downstream of a lead connector (gooseneck, pigtail, etc.)
<b>Tier 5</b>	Collect a sample where the plumbing is representative of sites throughout the distribution system.

## Compliance Sampling for LCRR

### New Lead Trigger Level (90<sup>th</sup> percentile calculation)

- 10 ppb or 0.01 mg/L

LEAD	mg/L
Action Level	0.015
Trigger Level	0.01

COPPER	mg/L
Action Level	1.3
Trigger Level	NONE

## Compliance Sampling for LCRR

### 1<sup>st</sup> Draw Tap Samples for Lead & Copper Monitoring

- 1.0 Liter in volume
  - Wide-mouth one-liter bottles
- Water has stood motionless in the plumbing system for at least 6 hours

### For CWS

- Sample from cold-water kitchen, or bathroom sink tap

### For NTNC

- Sample from tap in which water is typically drawn for consumption



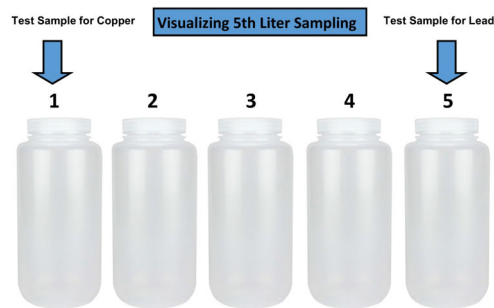
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## Compliance Sampling for LCRR

### 5<sup>th</sup> Liter Samples for Sites Served by a Lead Service Line

- All the same reqs. as 1<sup>st</sup> draw samples BUT,
  - Includes that taps should NOT ever be flushed beforehand



Open all bottles ensuring not to touch inside cap. Bottles must be filled to the 1 Liter line, or neck.  
Place bottle 1 under the cold tap and fill. While water is still running fill the remainder of the sample  
bottles in numerical order. Replace caps and tighten.

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## Compliance Sampling for LCRR

### Find-and-fix Samples

- Follow up sample at any site(s) that exceed the action level
  - Within 30 days of individual sample site exceedance
  - May use different sample volumes/procedures
    - E-mail [PWSLCR@tceq.texas.gov](mailto:PWSLCR@tceq.texas.gov) for questions on approval
  - Report result(s) to TCEQ \*does NOT count toward 90<sup>th</sup> calculation\*

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## **Remember ALL this information could be subject to change when LCRI comes out**

### Stay up-to-date

- Visit our LCRR website <https://www.tceq.texas.gov/drinkingwater/chemicals/lcrr>
- Check out our [YouTube channel](#) or search TCEQ Lead and Copper
- Register for our Drinking Water Advisory Work Group (DWA WG) <https://www.tceq.texas.gov/drinkingwater/dwawg>
- Read the Lead and Copper Rule Revisions <https://www.ecfr.gov/current/title-40/section-141.80>
- To sign-up for text and/or email reminders for your public water system, visit [www.tceq.texas.gov/goto/pws-subscribe](http://www.tceq.texas.gov/goto/pws-subscribe)

### Contact Information

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**Thank you!**