

## Distribution System Materials Inventory

### Lead and Copper Rule (LCR)

### Part 1: General Public Water System (PWS) and Monitoring Period Information

Regulatory Agency: <input type="checkbox"/> ADEQ <input type="checkbox"/> PDEQ <input type="checkbox"/> MCESD		Date:
PWS Name:		PWS ID#:
Contact Person:		Phone#:
Email Address:	PWS Type (Select one): <input type="checkbox"/> CWS <input type="checkbox"/> NTCNWS	
PWS Daily Population Served: Include residents and non-transient	Number of Service Connections:	

### Part 2: Lead Service Lines

The primary focus of the Distribution System Materials Inventory (DSMI) is to summarize and identify lead, galvanized requiring replacement, lead status unknown, and non-lead service lines. This inventory will estimate the number of high-risk service lines and describe the reliability of existing records, thereby providing important information for planning service line verification and replacement efforts. The complete DSMI, which is due in January 16, 2024, will require characterization of all service line materials (lead, galvanized, copper, and plastic). Instructions for completing this form are provided at the end of the document.

**Does this water supply have service lines meeting the following definition?**

- **“Service line”** means the pipe from the discharge of the corporation fitting to customer site piping or to the building plumbing at the first shut-off valve inside the building, or 18 inches inside the building, whichever is shorter.
- **Note:** The inventory must include all service lines connected to the public water distribution system regardless of ownership status (e.g., where service line ownership is shared, the inventory would include both the portion of the service line owned by the water system and the customer-owned portion of the service line).

YES                      If yes, complete this form in its entirety

NO                              If no, stop and fill out the No Lead Service Line Verification form for Community Water Systems, LCR.NoLSL

**Estimated Number of Service Connections by Service Line Material:**  
A service line includes any section of pipe from the water main to the building plumbing at the first shut-off valve inside the building, or 18 inches inside the building, whichever is shorter. The service line materials table summarizes potable water service connections by broad material categories, focusing on service lines containing lead, galvanized steel previously connected to lead, or service lines of unknown material. The number of service lines in each of the following categories need to be reported:

- **Lead Service Lines:** Any portion of pipe that is made of lead, which connects the water main to the building inlet. A lead service line may be owned by the water system, owned by the property owner, or both. For the purposes of this subpart, a galvanized service line is considered a lead service line if it ever was or is currently downstream of any lead service line or service line of unknown material.
- **Galvanized Requiring Replacement:** A galvanized service line (galvanized service line means iron or steel piping that has been dipped in zinc to prevent corrosion and rusting) that is or was at any time downstream of a lead service line or is currently downstream of a “Lead Status Unknown” service line. If the water system is unable to demonstrate that the galvanized service line was never downstream of a lead service line, it must presume there was an upstream lead service line.
- **Lead Status Unknown:** While a water supply may not be certain of the materials content of some service lines, they may have information that indicates the likelihood of a service line containing lead. For planning purposes, it is helpful to record this information. Therefore, three categories of unknown service lines are provided.
  - **Unknown - Likely Contains Lead:** While not known for certain, service lines the water supply believes are likely to contain lead.
  - **Unknown - Likely Does NOT Contain Lead:** While not known for certain, service lines the water supply believes are NOT likely to contain lead.
  - **Unknown – Material(s) Unknown:** Service line materials are fully unknown. Supply has no information regarding the likelihood of lead being present in the service line.
- **Non-Lead:** Service lines that are known to contain NO lead in any portion. These typically include copper, plastic, cast iron, ductile iron, or galvanized that was NEVER connected to lead. If a galvanized service line was previously connected to lead, it should not be included in this category, but rather included with the second bullet above.

All physically connected potable water services must be included in this table even if there is no current active account. Complete the table to the best of your ability based on your available records and/or knowledge of the system. If you do not know the answer, use the unknown category. **You will not be penalized for acknowledging you do not know.** The purpose of this preliminary inventory is to understand current service line materials documentation and knowledge. The total number of service lines in the lower right-hand box should equal the total number of service lines in your system.

Complete the table below:

LEAD SERVICE LINES	GALVANIZED REQUIRING REPLACEMENT	LEAD STATUS UNKNOWN			NON-LEAD	TOTAL**
		LIKELY CONTAINS LEAD	LIKELY DOES NOT CONTAIN LEAD	MATERIALS UNKNOWN		

\*The total number should equal the total number of potable water service lines in your water supply (residential, commercial, industrial, other).

**Distribution System Materials Inventory**  
**Lead and Copper Rule (LCR)**

Water supplies should review all records documenting the materials used to construct and repair service lines and use that information to complete this reporting form.

Potential sources of service line information may include, but are not limited to, the following:

- Plumbing codes
- Plumbing permits
- Distribution maps and drawings
- Tap records
- Inspection and maintenance records
- Meter installation records
- Billing records
- Water asset databases
- Geographic Information System
- Standard operating procedures
- Operation and maintenance manuals
- Permit files
- As-built drawings
- Existing water quality data
- Property tax records
- Interviews with senior personnel, building inspectors, and retirees
- Community survey
- Other

**Describe the sources of information used to summarize or estimate the data above (see instructions for a list of potential sources of information):**

**Rate your confidence level in the sources of information provided above, and describe why:**

Very Confident     
  Somewhat Confident     
  Not Very Confident     
  Not Confident

**Describe Reasoning:**

**How common is it to find discrepancies in your service line data (for example, services you expected to be lead turned out to be copper)?**

Frequently     
  Occasionally     
  Seldom     
  Never     
  Not enough Information

**Describe the discrepancies (include any common patterns):**

**Part 3: Certification**

*I certify that I have reviewed the available documentation related to the materials in this water supply's distribution system, and the information herein is accurate and complete to the best of my knowledge and information.*

Printed Name, Title \_\_\_\_\_ Signature \_\_\_\_\_ Date \_\_\_\_\_

Submit completed report to: EMAIL: [PBCU@azdeq.gov](mailto:PBCU@azdeq.gov)