

Lead Service Line Inventory Methods
Virginia Department of Health, Office of Drinking Water

Required Records Review	
Category	Description
Previous Materials Evaluation (4.1)	Information used for initial tap sampling inventory, special monitoring for corrosivity characteristics.
Construction and Plumbing Codes and Records (4.2)	All construction and plumbing codes, permits, and existing records or other documentation which indicates the service line materials used to connect structures to the distribution system (40 CFR §141.84(a)(3)(i)).
Water System Records (4.3)	All water system records, including distribution system maps and drawings, historical records on each service connection, meter installation records, historical capital improvement or master plans, and standard operating procedures (40 CFR §141.84(a)(3)(ii)).
Virginia Requirements (6.1.1)	Most recent approved LCR material survey. Lead Ban Guidance and Chronology (posted on ODW's website).
Ongoing Updating Required (3.4)	Systems must identify and track information on service line material as they are encountered during normal operations (e.g., checking service line materials when reading water meters or performing maintenance activities) (40 CFR §141.84(a)(5)).
	Any service line replacements or materials inspections. (40 CFR §141.84(a)(6)).

Additional approved criteria for classification as non-lead:

1. Classification based on service line installation date, home construction date, or original water main installation date. See the Lead Chronology document on ODW's Lead and Copper Rule Revisions guidance webpage.
2. Service lines larger than 2-inches are considered non-lead.

Service Line Material Investigation Methods	
Pre-approved	ODW Review and approve in advance
Visual inspection of service line material at meter setting	Water quality sampling (See <i>Water Quality Sampling for LSL Identification</i>)
Visual inspection inside home/building	Statistical methods (see <i>Guidance for Statistical Methods and Predictive Modeling</i>)
Customer self-identification	Predictive modeling (see <i>Guidance for Statistical Methods and Predictive Modeling</i>)
Closed Circuit Television inspection (external)	Swordfish – electric resistance
Magnet and Scratch Test	Emerging methods
Excavation – vacuum and mechanical	Other methods

Notes:

1. Items not listed as pre-approved must be reviewed and approved by ODW in advance.
2. This is a living document. Check ODW's Lead and Copper Rule Revisions guidance webpage for updates.