

Service Line Inventory Guidance For Predictive Modeling



Virginia

Has the State issued specific predictive modeling guidance?

Yes

Virginia Office of Drinking Water accepts statistical analysis and predictive modeling as a verification method for LCR/LCRI compliance.

Can water systems use statistical methods to classify the full water system as “Non Lead”?

Yes

Yes, based on no known lead in the system plus a finding of no lead in a random, representative physically verified sample.

Can water systems use predictive modeling to classify specific service line materials as “Non-Lead” or “Lead”?

Yes

Yes, using data collected from random, representative physical verifications, among other requirements.

Is pre-approval required to use statistical methods or predictive modeling?

Yes

Yes, a Statistical Methods work plan must be submitted and approved in advance.

Are there specific requirements for physical verification?

Yes

Virginia requires that any physical verifications to be completed be randomized. Water systems with <1,500 unknowns must physically verify at least 20 percent. Systems with >1,500 unknown service lines must physically verify enough lines to reach a 95 percent confidence level.

Is a final report required to be submitted with the initial LSLI?

Yes

VA ODW requires a report to be included before the inventory submission as well as after.

Other state requirements to note

Yes

The representative, random sample should also be used to assess the reliability of historical records for the purposes of service line material classification.

**Virginia
Department of
Health, Office
of Drinking
Water**
State Primacy Agency

2,221,409
Total SLs in VA

4,980
Total Reported LSLs

0.23%
Estimated LSL Rate

5,205
Estimated Total LSLs

**Let’s talk about how we can collaborate
to Get the Lead Out of the Ground!**

If you live in a state without published guidance and would like to start that conversation with your regulators, please reach out to see how we can help.

Contact Us

www.blueconduit.com

