

# Service Line Inventory Guidance For Predictive Modeling



## North Carolina

### Has the State issued specific predictive modeling guidance?

Yes

North Carolina Department of Environmental Quality accepts predictive modeling and statistical analysis as a verification method for LCR/LCRI compliance.

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

Yes

NCDEQ guidance states that if no lead or GRR is found during records review and representative field investigations, all unknowns may be reclassified as non-lead.

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

Yes

If lead is found during records review and representative field investigations, NCDEQ guidance lists specific thresholds in order to apply predictions to service lines.

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

Yes

Prior to submitting the initial service line inventory the PWS must provide a methodology report to [pwss.lcr@deq.nc.gov](mailto:pwss.lcr@deq.nc.gov)

### Are there specific requirements for physical verification?

Yes

For water systems with fewer than 1,500 unknown service lines (water system or customer owned), they are required to physically inspect “at least 20 percent of the total number of unknown service lines.” For water systems with >5,000 unknowns, they are required to “physically verify enough service lines to reach a 95 percent confidence level.”

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

Yes

Prior to submitting the initial service line inventory, the PWS must provide a methodology report.

## North Carolina Department of Environmental Quality

State Primacy Agency

# 3,332,723

Total SLs in NC

# 21,923

Total Reported LSLs

# 0.68%

Estimated LSL Rate

# 22,509

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](http://www.blueconduit.com)

