

# Improving Your Backflow Program During Lead Service Line Inventories



**BACKFLOW**  
PREVENTION SERVICES

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## **Lead Service Line Inventory**

An evaluation of service line materials past and present according to minimum standards established by EPA.

## **Containment Protection Backflow Prevention Program**

The establishment of policy to require the installation of a backflow preventer at the meter for certain customers to protect the public water supply system.



I have so much  
to do.

I don't have  
enough time.

There must be  
a better way.

Lead Service Line  
Inventory (LSLI)

Containment  
Protection



## Program Similarities

- Required by State Agencies.
- Required at the meter.
- Field data collection process essentially the same.

# Lead Service Line Inventory

Water System  
Side

Customer  
Side



Date Installed

mm/dd/yyyy

Service Line Material

Verification Source

Field Verification Method

Service Line Size

Record Verification Date

mm/dd/yyyy

Field Verification Date

mm/dd/yyyy

Date Installed

mm/dd/yyyy

Service Line Material

Verification Source

Field Verification Method

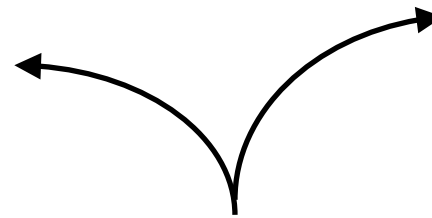
Service Line Size

Record Verification Date

mm/dd/yyyy

Field Verification Date

mm/dd/yyyy



Data is the  
same

# Lead Service Line Inventory

## Service Line Material

Lead  
Copper  
Galvanized Steel  
PVC  
HDPE  
PEX  
Asbestos-Cement  
Unknown

## Verification Source

Records Only  
Installation Date After Ban  
Field Inspection Only  
Records Validation  
Records Invalidation  
Statistical Analysis  
Sequential Monitoring

## Field Verification Method

Customer self-identification  
CCT investigation at curb stop internal  
CCT investigation at curb stop external  
Water Quality Sample  
Mechanical excavation at 1 location  
Mechanical excavation multiple locations  
Visual inspection at the meter pit  
Other

Required  
on both  
Water  
System  
and  
Customer  
Side of  
Meter

# Containment Program

While performing LSLI, consider obtaining containment assembly data.

BP Assembly Type Present

RP

Manufacturer

Model

Size

Serial Number

## Benefits

Verify existing BP data.

Capture new installations for improved recordkeeping.

# Take Aways

- Be visionary to ease time and cost burdens.
- Consider consolidating work effort within department(s) to achieve success in both the LSLI and Backflow Programs.
- The LSLI requirement could lead to improved recordkeeping within the Backflow Program.



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*Mitch LeBas, PE*

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