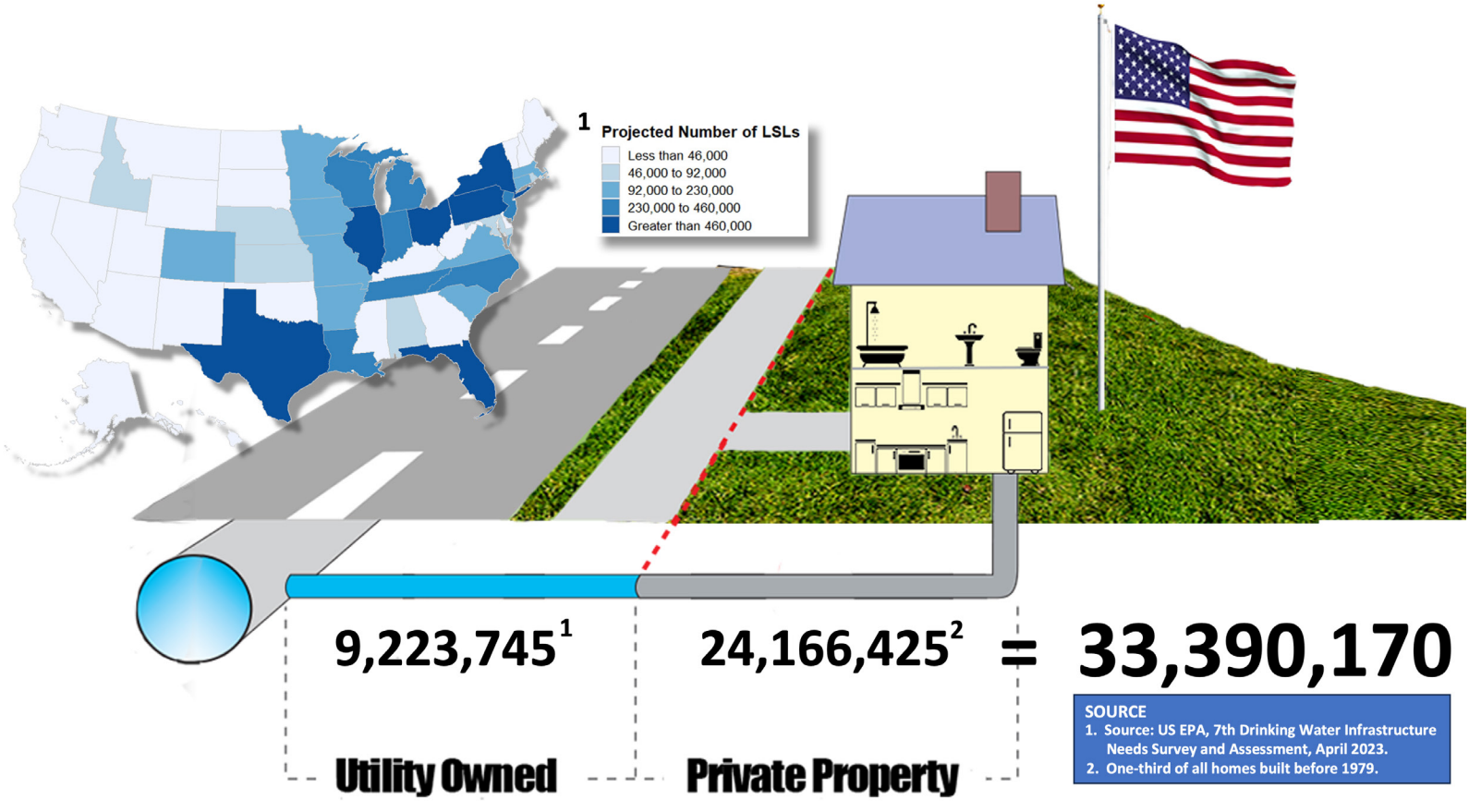
Are You Ready to Submit Your Baseline Inventory of Water Service Lines & Pipe Connectors by November 1, 2027?



While the EPA Estimates 9.2 Million Utility-Owned Lead Lines, Private Property-Owned Lead Lines May Add Another 24 Million Water Lines.



SOURCE
1. Source: US EPA, 7th Drinking Water Infrastructure Needs Survey and Assessment, April 2023.
2. One-third of all homes built before 1979.



More Home Buyers Request Sellers to Provide 'NO-LEAD' Certifications at Closing

Is Your **City** or **State** ready to issue 'NO-LEAD' Certifications to home buyers? Time to make sure that verifications are done right with actual inspection results.

Grading Your State



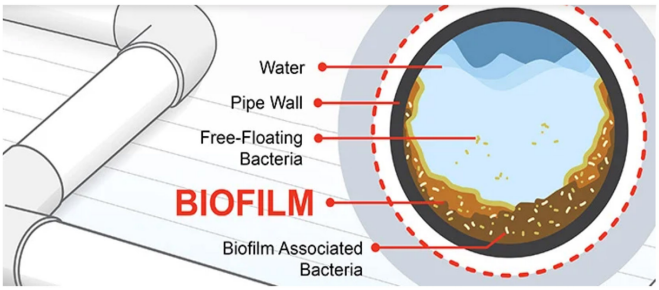
WARNING

Current Inventories of Copper & Plastic (Non-Lead) Lines May Have Lead Particles Stored in Calcium Deposits

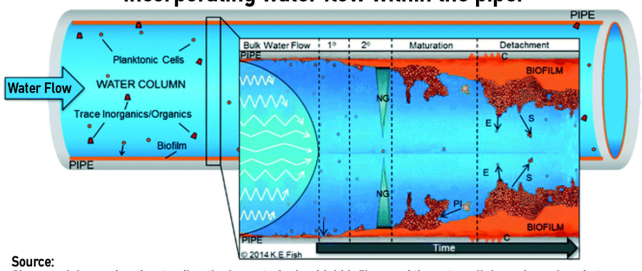
SWORDFISH Confirms That Copper & Plastic Pipe Can Test Positive for Lead

Field Work Confirm and New Research Confirms Lead Can Accumulate on Copper & Plastic, Just Like Galvanized Pipe

BIOFILMS

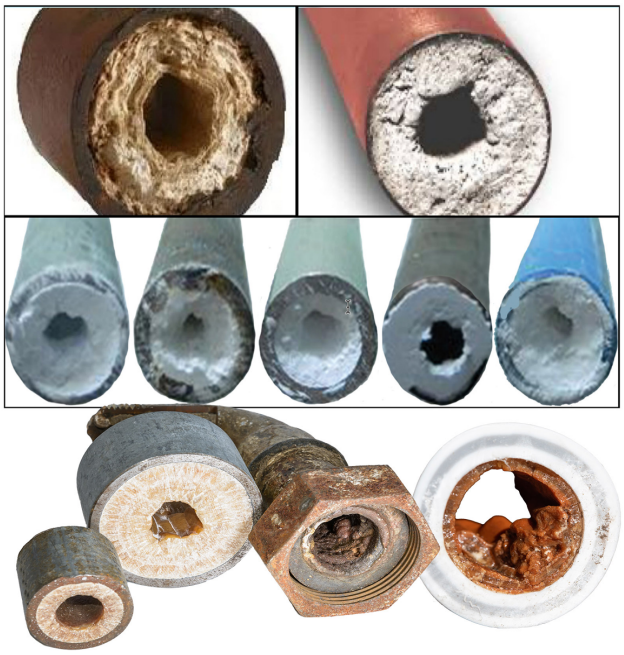


Biofilm development within drinking water distribution systems incorporating water flow within the pipe.



Source:
Characterising and understanding the impact of microbial biofilms and the extracellular polymeric substance (EPS) matrix in drinking water distribution systems, Katherine E. Fish, A. Mark Osborn and Joby Boxall.

CALCIUM DEPOSITS



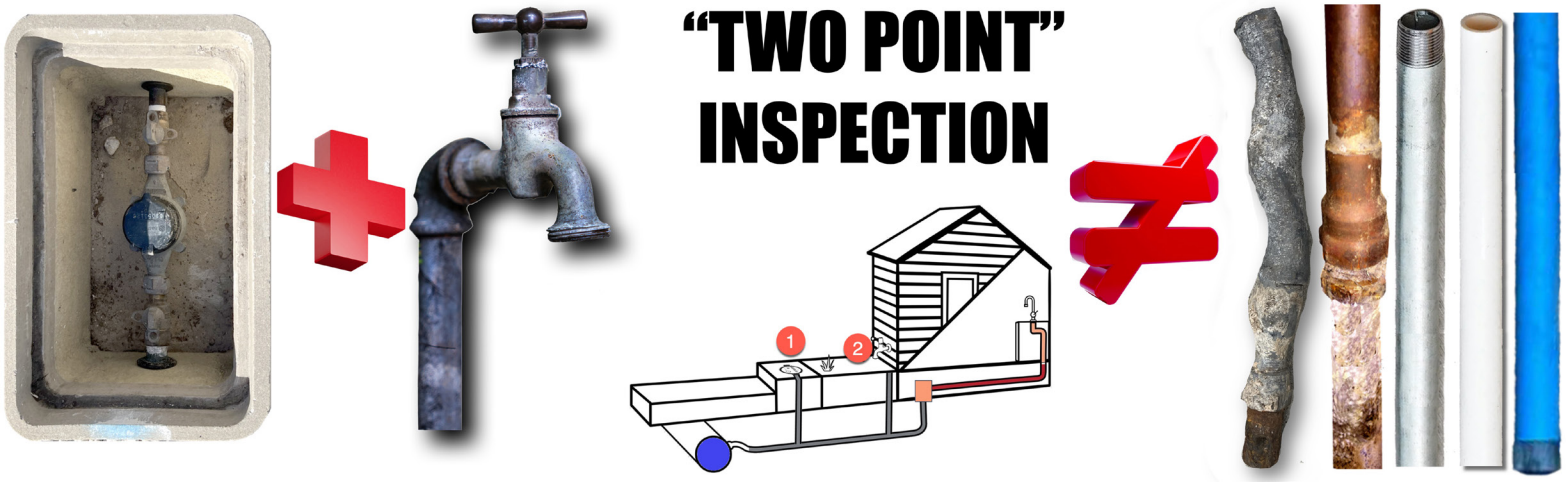


Historical Data on Water Services May Not Capture The Current Risk From Lead, Without Verification

Representing a major development, recent academic research and field work performed by Electro Scan Inc. using its patented SWORDFISH technology, has confirmed that copper & plastic pipes can accumulate lead particles and test positive.

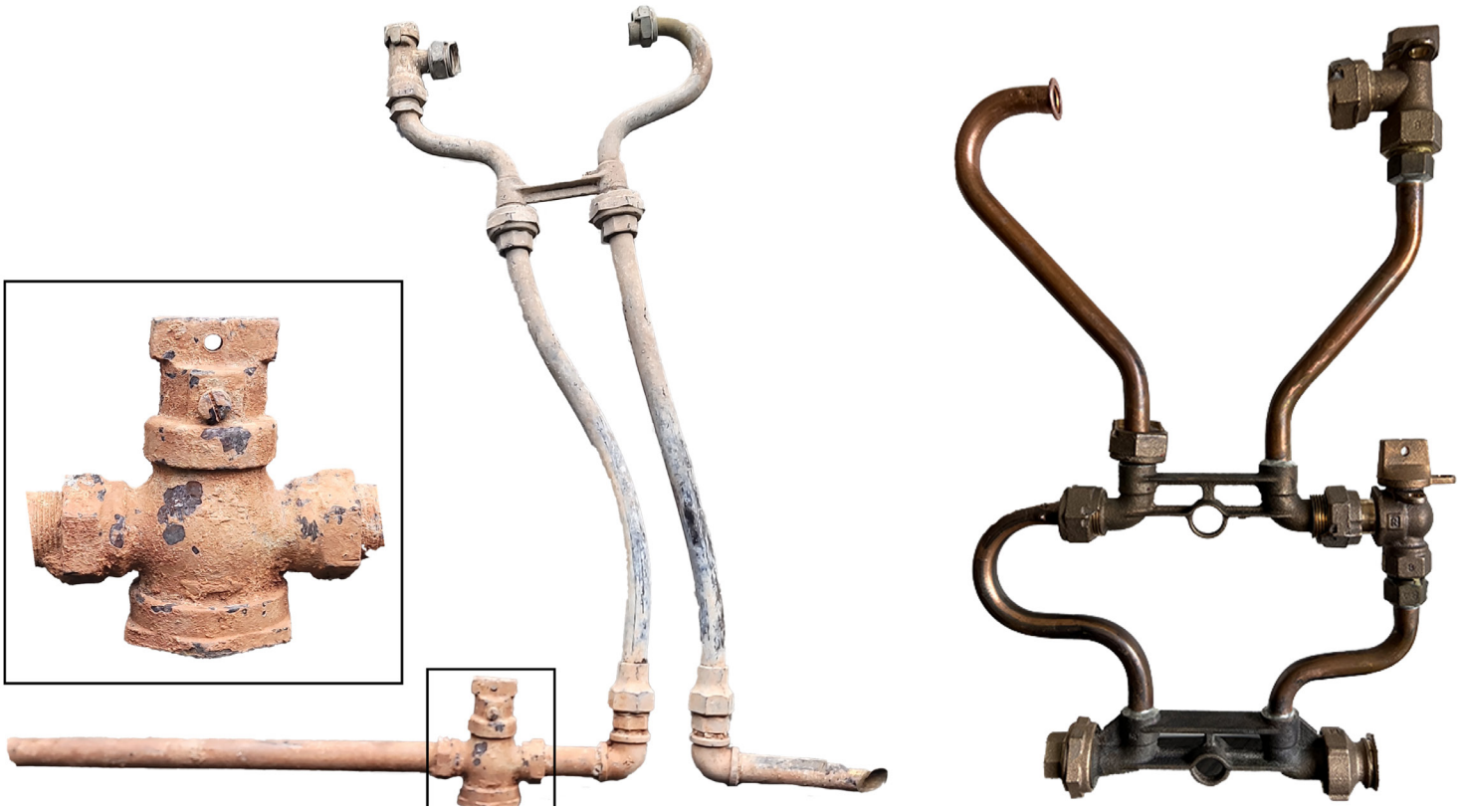
The good news is that field testing has shown that flushing and cleaning copper & plastics that test postive can substantially eliminate all traces of lead. Since lead can be encapsulated in biofilms and calcium deposits, removal (not replacement) can irradicate the risk of lead. **Contact Electro Scan for more details.**

Selected State EPAs Allowed Visual Inspections Without Looking at Water Service Line

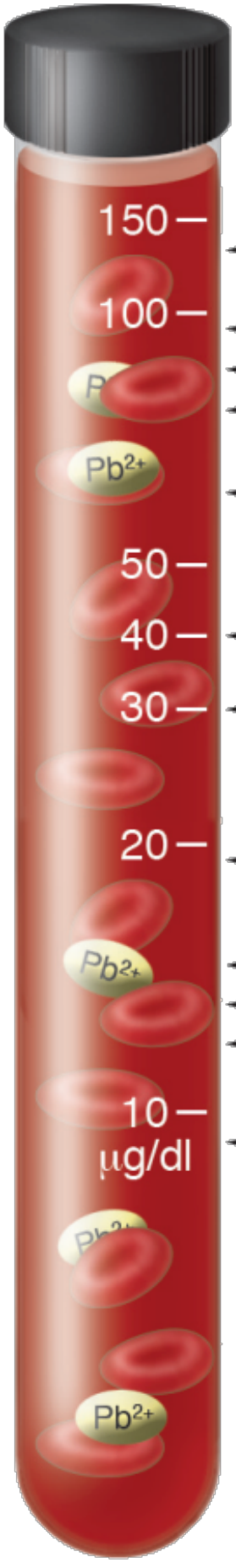


Baseline Inventories & Validations May Be 'AT RISK'

What Meter Boxes Don't Show?



Levels of Lead in Drinking Water



ENVIRONMENT AMERICA
RESEARCH & POLICY CENTER

U.S. PIRG
Education Fund

- 150 — ← Death
- 100 — ← Encephalopathy
- ← Nephropathy
- ← Frank anemia
- ← Colic
- 50 —
- 40 — ← Decreased hemoglobin synthesis
- 30 — ← Increased vitamin D metabolism
  Increased risk of hypertension in adulthood
- 20 — ← Increased nerve conduction velocity
- ← Increased level of erythrocyte protoporphyrin
- ← Decreased vitamin D metabolism
- ← Decreased calcium homeostasis
- 10 — µg/dl ← Developmental toxicity
  - Decreased IQ level
  - Decreased hearing
  - Decreased growth
  - Impaired peripheral nerve function
  - Transplacental transfer

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Brad Weston

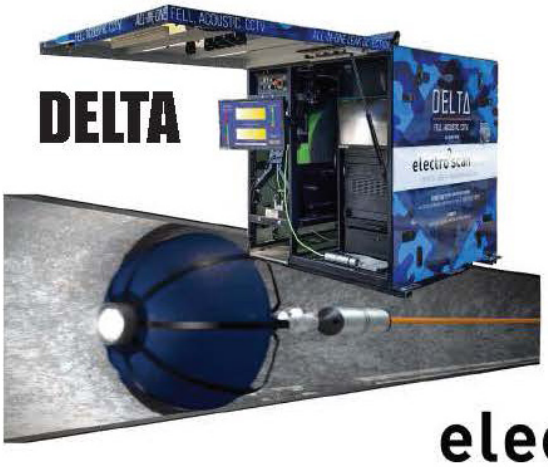
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Since	August 2014

Are you Still Using CCTV Cameras to Find Infiltration? No Wonder You Still Have SSOs.







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