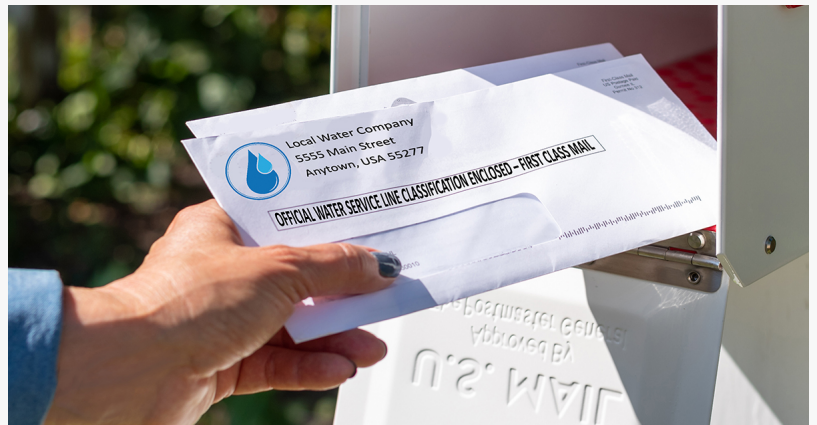


Last Week 145 Million U.S. Homes Should Have Received Notices By Mail Identifying Lead Water Pipes on their Property

Straw Poll Shows Majority of Utilities Have Either Not Started Their Water Service Pipe Inventory, Submitted Incomplete Results or Haven't Reported to Customers

SACRAMENTO, CA, UNITED STATES,
November 25, 2024 /

EINPresswire.com/ -- [Electro Scan Inc.](#), a leader in machine-intelligent pipe testing technology that locates lead in drinking water pipelines, has completed a straw poll of U.S. water utilities about progress in completing their EPA mandated inventory of water lines. Notification letters were required to be sent to nearly 145 million U.S. households by November 16, 2024.



Last week nearly 145 million letters are in the mail to homeowners and businesses informing them of the status of their water service line; either lead, non-lead, galvanized requiring replacement, or unknown.

Results of Electro Scan's straw poll found a majority of water utility respondents either (a) have not started their inventory, (b) submitted incorrect survey results, (c) reported all privately-owned water service lines as 'unknown,' or (d) have not reported or do not plan to report results to their customers.

“

I believe President-Elect Trump understands that all voters have one thing in common. They all drink water.”

Chuck Hansen, Chairman & CEO, Electro Scan Inc.

All U.S. water utilities, including cities, counties, special service districts, and private water companies, had a deadline of November 16, 2024, to send notification letters to American households reporting initial pipe inventory results, including lead service lines.

The EPA's Lead and Copper Rule Revisions, enacted in 2021, requires 40,000+ U.S. water systems to complete an initial inventory of water lines by October 16, 2024, Utilities were ordered to

determine utility-owned and privately-owned drinking water pipes as either lead, non-lead, galvanized pipe requiring replacement, or unknown pipe material.

A known neurotoxin, lead in drinking water causes lower IQ scores, birth defects, dementia, high blood pressure, lowered libido, and death.

For instance, many water utilities limited their inventory to visual inspection of the inside of a customer's meter box and hose bib adjacent to the house, without assessing the water pipe.

On the U.S. East Coast, utilities reported that customers were allowed to self-report water pipes near their basement water meter, without assessing the service line pipe to the water main.

State environmental officials are expected to tally individual statewide results and report results to the EPA sometime in March 2025.

The new Lead and Copper Rule Improvements (LCRI) legislation becomes effective December 20, 2024 and states that a pipe that remains categorized as 'unknown' must be treated as lead and scheduled for replacement.

In addition to lead pipelines and connectors, all galvanized pipes that are downstream from lead pipes, and unknown pipes – treated the same as lead pipes – must be replaced by 2037.

"We can't win," stated a superintendent at a mid-sized water utility.



Since 2001, water utilities have routinely added orthophosphates at the water treatment plant to coat lead pipes to prevent leaching of lead particulates into drinking water.

METER BOX + FAUCET/HOSE BIB \neq KNOWN PIPE



Many water utilities, contractors, and consulting engineers may have mistakenly inspected the inside of meter boxes and hose bibs, without inspecting the connecting water pipe for lead.

"If we report a pipe as 'unknown' we're telling customers that we didn't do our job. And, if we report 'no lead' pipes, the local media, environmentalists, and customers are going to expect us to stop adding orthophosphates to the water supply," states another water director.

Since 2001, most water utilities have been adding orthophosphates to water supplies to chemically coat lead pipes to prevent leaching of lead particulates into the water system.

Homeowners, real estate agents, mortgage bankers, and home buyers, should now be able to review the status of individual water service line pipe materials through their local water utility.

Asked whether lead pipe replacements will continue under the Trump Administration, Electro Scan's CEO, Chuck Hansen, commented that "President Trump's first administration is credited with jump-starting lead & copper regulations after years of inaction. Besides, all voters have one thing in common. They all drink water."

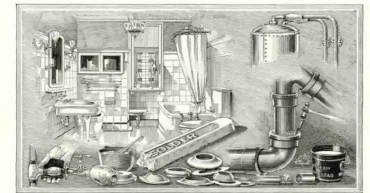
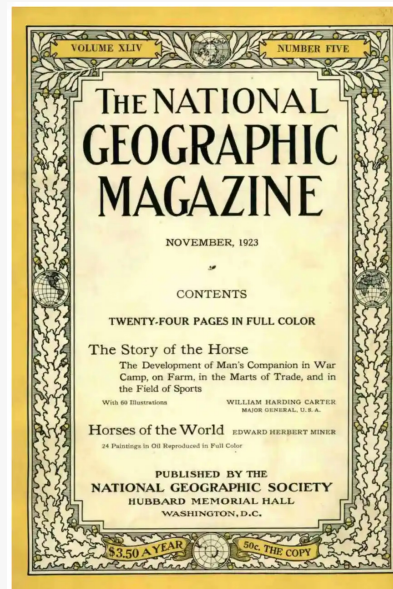
Lead water services lines and fixtures were banned by the EPA in 1986.

There are only two ways to accurately determine buried pipe materials. Either you can do a physical verification of each line, meaning you dig up the line and see for yourself. Or, use electrical resistance testing, meaning a probe is inserted into a pipe to automatically classify one or more pipe materials in a water service line.

Predictive modeling can often help prioritize areas of interest, but are not reliable for capital planning purposes or to dig and replace lead lines.



Gary Gelfand and Scott Moak, interview Electro Scan CEO, Chuck Hansen about water utility notifications for lead pipes.



Lead helps to guard your health

You wouldn't live today in a house without an elaborate plumbing system. For without modern plumbing, modern life might endanger your life. Lead concealed in the walls and under the floors of many modern buildings helps to give the best sanitation.

Lead pipe conveys old
Lead, therefore, is contributing to the health, comfort, and convenience of people today as it did when Rome was a center of civilization. Lead water and drainage pipes more than 1,000 years old have been found in exactly the condition they were in when laid.

In some cities today the law specifies that lead pipe shall never be used in being water from street mains into the building.

In drainage systems are lead traps made of lead pipe that keep the stench of the sewer so that a little water will stay in the trap and prevent gases which collect in the sewer from going out through the house.

The malleability of lead also makes it easy to change the direction of any pipe through the use of lead bends.

Joining the pipes
A plumber rarely "copes" a joint or repairs a pipe leak with lead and tin solder. Because this alloy melts at the temperature of 120 degrees it can be applied without melting the lead pipe which may be at 220 degrees.

By the use of special machinery the lead pipe joints are made so tight that no amount of pipe joints to make them absolutely tight. Pipe threads are painted with white-lead or red-lead to make a tight connection. Where vibration or movement of pipes may loosen a ground joint, lead used in the joint in a dense, compact mass.

Other joints and ball valves containing lead prevent leaking at joints and fixtures.

Lead is used to braze the modern bathroom, hot-water and drainage, hot lead solder, are the

best ingredients in making the glossy white enamel covering the fire boiler of ships and houses and the glazed tile walls.

Lead in paint
While lead is invaluable in covering corners and proper sanitation, its backbone had most widespread use is in white-lead in paint. Such materials as wood would soon deteriorate unless protected with paint. And the paints that give the most thorough protection against the weather are based on white-lead.

The loss of increased capital through failure to protect the surface of property adequately has had property owners to paint frequently and well. As they and money go by more and more of them are hearing the wisdom of the phrase: "Save the outside, and you save all." And they are using white-lead paint to protect the lives of their homes.

Lead for the Dutch Boy
NATIONAL LEAD COMPANY makes white-lead and sells it mixed with pure flint and oil under the name and trademark of Dutch Boy white-lead. The figure of the Dutch Boy is represented on every tin and is a guarantee of acceptance.

Dutch Boy products also include red-lead, flinted oil, flaking oil, rabbit metal and solder.

More about lead
If you use lead or think you might use it in any form, please see us for specific information.

NATIONAL LEAD COMPANY
P.O. Box 100, Des Moines, Iowa, U.S.A. Branches at all cities of importance.
220 West Superior Ave., Des Moines, Iowa, U.S.A. Telephone 1-515-281-1000.
Branch office, Philadelphia, Pa., 1221 Locust St., 2nd Floor, Tel. 526-1000.

Marketed as good for your health in the November 1923 issue of National Geographic, lead is a toxin that causes lower IQ test scores, high blood pressure, birth defects, dementia, lower libidos, and death.

Electro Scan's SWORDFISH represents the only commercially available hand tool capable of inspecting water service lines.

Using electrical resistance testing, SWORDFISH determines different pipe materials. Even if one or more pipes have combinations of different pipes.

SWORDFISH is currently used at the City of Baltimore, the largest water inspection project currently underway in the U.S., and hundreds of other water systems, nationwide, including colleges and elementary schools.

As a final note, water customers can request a free inspection of their water service that utilities must schedule within 60-days of request. Customer can contact Electro Scan Inc. to learn how water service lines can be accurately validated and verified with 100% accuracy.

ABOUT ELECTRO SCAN INC.

Founded in 2011, Electro Scan is an international supplier of machine-intelligent pipeline assessment and quality assurance products & services for the water, sewer, and oil & gas markets. The company develops and markets proprietary equipment and SaaS-based cloud applications that automatically locates, measures, and reports pipeline leaks and water service line pipe materials, including lead pipes. The company's products and services detect buried lead water services on a house-by-house basis, typically not found by legacy inspection methods.

For More Information

EPA's Lead and Copper Rule Revisions (2021)

<https://www.epa.gov/ground-water-and-drinking-water/revised-lead-and-copper-rule>

EPA's Lead and Copper Rule Improvements (2024)

<https://www.epa.gov/ground-water-and-drinking-water/lead-and-copper-rule-improvements>

EPA's Sample Letter Notifications.

https://bit.ly/EPA_Letter_Template

Electro Scan's SWORDFISH

<https://www.electroscan.com/contact-us/>

Electro Scan Lead Webinar, November 12, 2024, Slide Stack (11mb)

https://www.electroscan.com/wp-content/uploads/2024/11/2024-11-12_Electro-Scan-LCRI-Webinar_AS-PRESENTED.pdf

Electro Scan Interview on Fox 40, Studi40 Live, YouTube Video (Duration: 5 minutes)

<https://www.youtube.com/watch?v=quumUwyFlyM>

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