
Lead Service Line Replacement Program Semi-Annual Report

July 16, 2021

Public Works Committee

Common Council File #210473

Lead Basics

- Lead is a toxic substance
- Lead exposure is cumulative
- There is no safe exposure to lead
- Young children are particularly vulnerable
- Goal is to remove ALL sources from the community
 - Lead-Safe Milwaukee:
<https://city.milwaukee.gov/LeadSafeMKE>
 1. Safe Paint
 2. Safe Water: Lead Service Line Replacement (LSLR) program
 3. Safe Kids



Lead-Safe Milwaukee
SAFE PAINT SAFE WATER SAFE KIDS

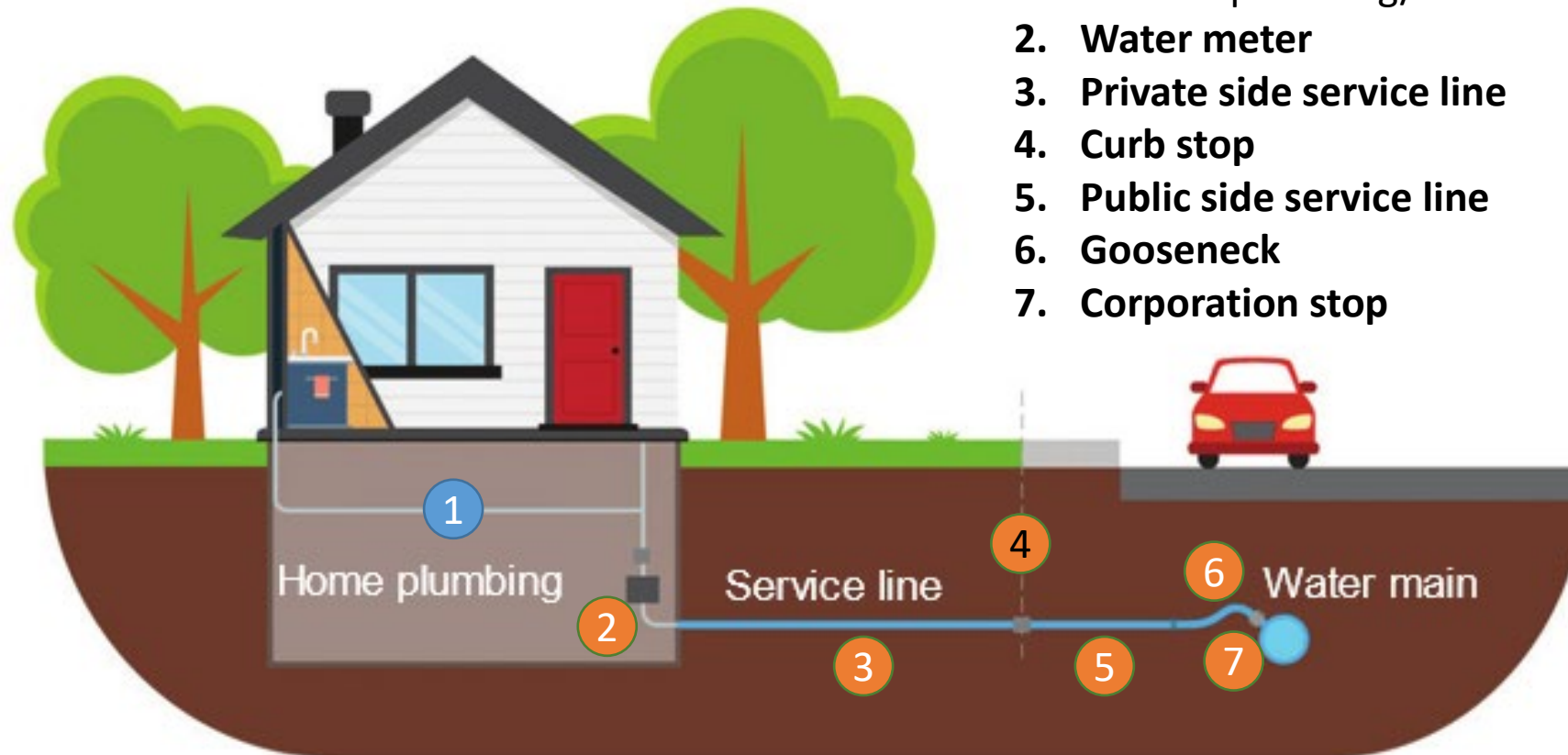
Learn About Lead Lead-Safe Easy as 1-2-3

CONTACT US VERSION EN ESPAÑOL

There are several sources of lead you should know about. The most common way children are exposed to high levels of lead is through chipping, peeling or cracking lead-based paint in older homes. When lead is found in drinking water, it is usually because water can dissolve the lead in pipes and plumbing. What can you do to protect your family?

- 1 Safe Paint:
- 2 Safe Water:
- 3 Safe Kids:

What is a lead service line?



1. Internal plumbing/valves
2. **Water meter**
3. **Private side service line**
4. **Curb stop**
5. **Public side service line**
6. **Gooseneck**
7. **Corporation stop**

Lead in Water Reduction Efforts

- 1951 MWW installed last public-side lead service line (LSL)
- 1962 City ordinance requiring private side copper
- 1985 Reconnection to LSL prohibited for new construction
- 1996 Corrosion Control Treatment (orthophosphate) implemented
- 1997 MWW compliance with Lead and Copper Rule
- 2015 MWW pilot study to assess lead in water
 - Study resulted in a moratorium on water main projects connected to LSLs
- 2016 MWW began replacing, rather than repairing, LSLs
 - Filters and lead safety materials provided
 - Led to mandate to perform **full** LSLRs only
- 2017 Lead Service Line Replacement Program established
- 2019 Corrosion Control Treatment (CCT) Reevaluation of Optimization
- 2020 Lead and Copper Rule (LCR) Compliance Sampling
- 2020 LCR Revisions

Lead service line replacement mandate

- As of January 1, 2017, full lead service line mandated to be replaced with copper when:
 - A leak or failure has been discovered on either the privately- or utility-owned portion
 - The utility-owned portion is replaced on either a planned or emergency basis
 - The property is a child care facility (licensed or certified) or school
- REPAIR or RECONNECTION to lead service line PROHIBITED
- Property owner may initiate replacement of privately-owned portion at their own expense with which MWW will pay for and replace the utility-owned portion

Lead service line replacement mandate

Reason for LSL Replacement	2017	2018	2019	2020	2021	Total (%)
Leak or failure	437	547	670	629	207	2490 (64)
Child cares and schools	150	204	129	48	31	562 (15)
Water main relay project	18	143	177	161	138	637 (16)
Owner initiated	11	39	23	24	8	105 (3)
Other utility work	6	0	1	25	55	87 (2)
Total LSL Replacements	622	933	1000	887	439	3881 (100)
Total Filter Distribution	1164	1359	1418	971	413	5325

Lead service line financial impact

- Average full replacement cost as of June 30, 2021: \$11,014
 - Private side: \$5,405
 - Public side: \$5,609
- One- to four-family residential property cost share for mandated replacements limited to \$1,843 as of March 1, 2021
- 2021 planned projects ~750
- Emergency and child care as necessary

Customer outreach

- Lead-safe information provided with filter pitchers
- Semi-annual insert with lead safety information in municipal service bills
- Annual mailing of lead safety information to properties began February 1st
- Consumer Confidence Report bill insert with lead and water information
- Online public-side LSL inventory updated quarterly
- Information provided via MWW Customer Service (439 LSLR specific calls)
- Website
 - city.milwaukee.gov/Water “Lead and Water” in English and Spanish
 - city.milwaukee.gov/LeadSafeMKE
 - city.milwaukee.gov/Leadsafemke-espanol
- Lead-Safe brochures, English and Spanish, available at MHD Health Centers, MPL branches, City Hall complex buildings

Customer outreach



OUR RECORDS INDICATE THE WATER SERVICE LINE THAT CONNECTS YOUR PROPERTY TO THE WATER MAIN IN THE STREET IS MADE OF LEAD.

**Milwaukee
Water Works**

Zeidler Municipal Building
841 N. Broadway, Room 409
Milwaukee, WI 53202

Reduce the risk of exposure to lead in drinking water from lead service lines and interior plumbing and fixtures.

Households with lead service lines whose occupants include these at-risk persons should drink and cook with tap water filtered with an NSF 53 certified filter:

- Children under 6, especially bottle-fed infants



NUESTROS RÉCORDS INDICAN QUE LA LÍNEA DE SERVICIO DE AGUA QUE CONECTA SU PROPIEDAD A LA LÍNEA PRINCIPAL DE AGUA DE LA CALLE ESTÁ HECHA DE PLOMO.

Reduzca el riesgo de exposición al plomo en el agua potable de las líneas de servicio de plomo y tubería y accesorios de plomo.

Los hogares con líneas de servicio de plomo cuyos ocupantes incluyen a personas en riesgo, dichas personas deben beber y cocinar solamente con agua del tubo filtrada por un filtro certificado NSF 53:

- Niños menores de 6 años, especialmente los infantes alimentados en botella
- Mujeres embarazadas o que podrían quedar embarazadas (edades 15-45)
- Mujeres en período de lactancia

Estos clientes podrían ser elegibles para un filtro gratis de parte del Departamento de Salud de Milwaukee.

Para todos los que tienen una línea de servicio de plomo:

- Beba y cocine solamente con agua del grifo de agua fría.
- Deje correr el agua hasta que esté fría antes de usarla para beber o cocinar.
- A menudo desatomille y lave la pantalla al final de cada grifo.
- Enjuague la tubería del hogar al final de cada día de trabajo durante el reemplazo de la tubería principal, la reconstrucción de la calle y del alcantarillado y trabajo de plomería. Los clientes afectados inmediatamente por ciertos proyectos de construcción de la Ciudad reciben un cupón de parte de Milwaukee Water Works.



**Milwaukee
Water Works**

Other ongoing initiatives

- DOL Secretary Marty Walsh visit May 26, 2021
- EPA Administrator Michael Regan and Senator Tammy Baldwin visit July 6, 2021
- EPA Lead and Copper Rule Revisions Milwaukee Community Roundtable discussion July 14, 2021
 - Watch at <https://bit.ly/3r9yd2k>
- Corrosion Control Treatment Study to be complete December 2021



From Left: Joe Fitzgerald of Milwaukee Water Commons, **Senator Tammy Baldwin**, Rashawn Spivey of Hero Plumbing, Yvonne McCaskill of Century City Triangle Neighborhood Association, **EPA Administrator Michael Regan**, Milwaukee Water Superintendent Karen Dettmer, **EPA Assistant Administrator for the Office of Water Radhika Fox**



DOL Secretary Marty Walsh, Congresswoman Gwen Moore, Mayor Tom Barrett, Chytania Brown of Employ Milwaukee, Public Works Commissioner Jeff Polenske, and Water Superintendent Karen Dettmer discuss a lead service line replacement completed by MJ Construction on N Palmer St in the Harambee Neighborhood

Thank you



Lead and Water Information

[Milwaukee.gov/Water – Lead and Water](https://www.milwaukee.gov/Water-Lead-and-Water)