

LEAD SERVICE LINE REPLACEMENT PLAN



East Moline, Il

915 16th Avenue East Moline,
IL 61244

Community Water Supply ID:
IL1610250

June 2025

I. INTRODUCTION

While lead does not naturally occur in water and is not found in the city's water supply, if too much enters your body from drinking water or other sources, it can cause serious health problems, especially for pregnant women and young children. Knowing this, utilities have been providing corrosion control treatment and conducting public monitoring of lead in drinking water for over 30 years. However, the best way to reduce exposure to lead in drinking water is to remove the sources of lead that may enter it.

In recent years federal and state regulators, as well as drinking water utilities, have taken a deeper look at lead in drinking water and determined that additional action must be taken to reduce this hazard. The City of East Moline is committed to reducing this health risk. As part of the effort to "get the lead out", the City has developed the following Lead Service Line Replacement Plan (LSLRP).

The LSLRP addresses:

- Creating a material inventory of all service lines served by the utility
- Prioritizing and systematically replacing lead and galvanized service lines
- Developing a Lead Service Line Replacement Funding Strategy
- Improving risk communications by establishing standard procedures to inform customers before and after a lead service line replacement
- Increasing sampling reliability by establishing standard procedures
- Developing procedures to conduct full lead and galvanized service line replacement

Lead enters drinking water primarily from materials and components associated with service lines and home plumbing. The City of East Moline is responsible for providing high quality drinking water, and will be removing lead pipes, but cannot control the variety of materials used in plumbing components in your home. You share the responsibility for protecting yourself and your family from the lead in your home plumbing. You can take responsibility by identifying and removing lead materials within your home plumbing and taking steps to reduce your family's risk. Before drinking tap water, flush your pipes for several minutes by running your tap, taking a shower, doing laundry or a load of dishes. You can also use a filter certified by the National Science Foundation (NSF) / American National Standards Institute (ANSI) to reduce lead in drinking water. If you are concerned about lead in your water, you may wish to have your water tested.

HOW DOES LEAD GET INTO DRINKING WATER?

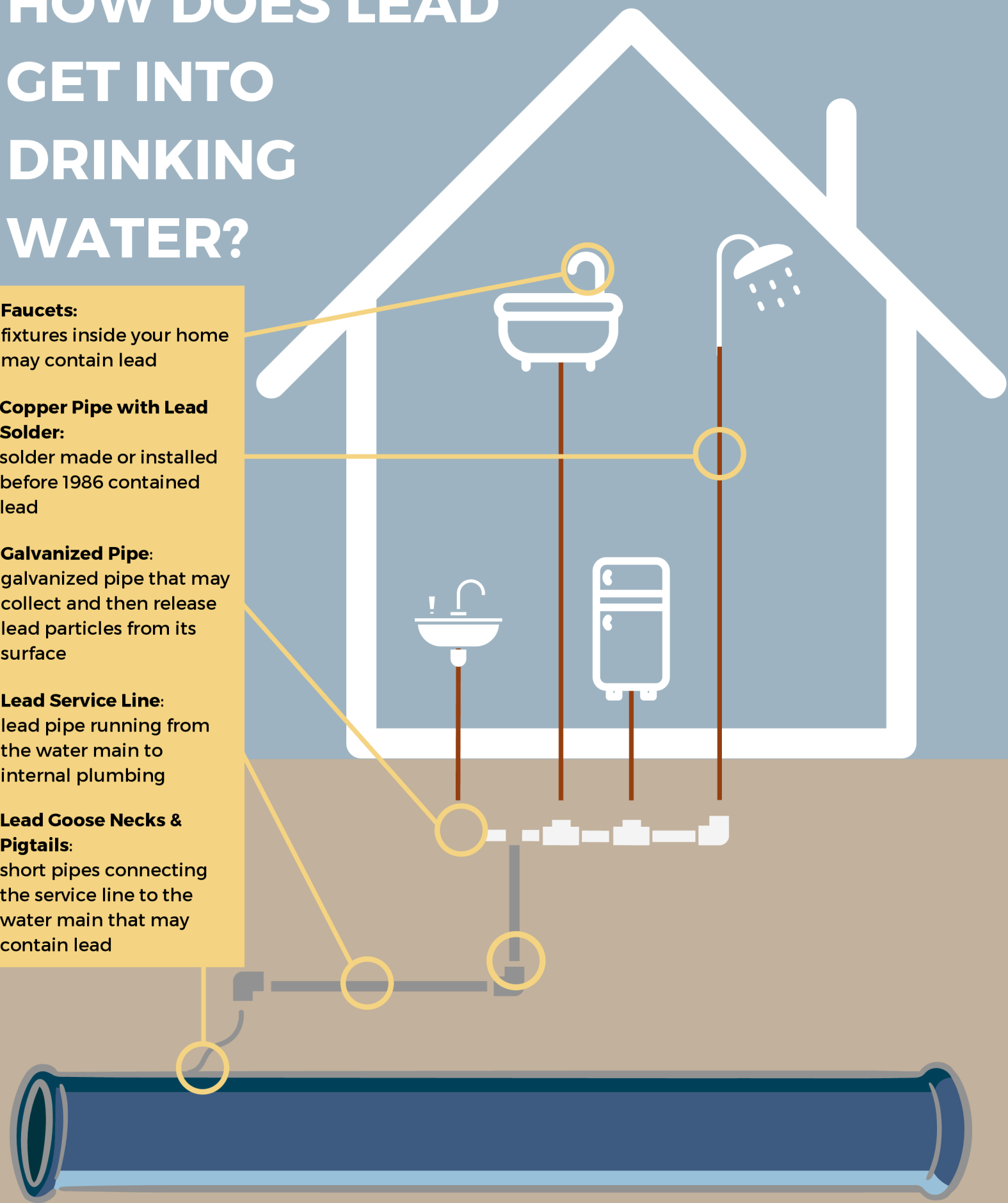
Faucets:
fixtures inside your home may contain lead

Copper Pipe with Lead Solder:
solder made or installed before 1986 contained lead

Galvanized Pipe:
galvanized pipe that may collect and then release lead particles from its surface

Lead Service Line:
lead pipe running from the water main to internal plumbing

Lead Goose Necks & Pigtails:
short pipes connecting the service line to the water main that may contain lead



II. DEFINITIONS

Curb Stop - the valve, normally located at the property line, that allows the utility to shut water off to customer

Emergency Repair - any unscheduled water main, water service, or water valve repair or replacement that results from failure or accident

Fixture, plumbing - installed receptacles, devices, or appliances supplied with water or that receive or discharge liquids or liquid-borne wastes, including water lines, faucets, valves and fittings

Lead removal pitcher filter - a pitcher that is used temporarily after a lead or galvanized service line is replaced that has an internal filter designed to remove lead particles from the drinking

Material Inventory - a water service line material inventory developed by a Community Water Supply

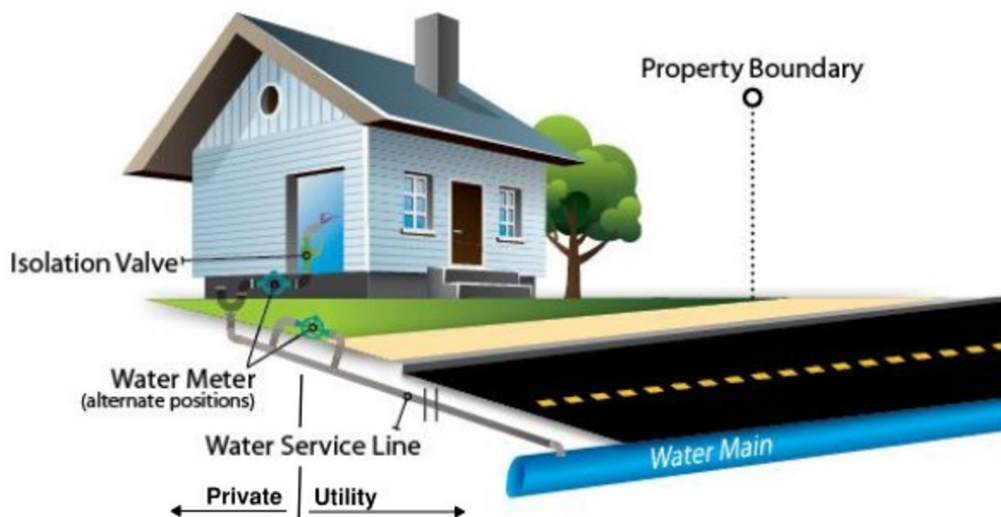
Meter - the water meter that is located near the property line or in the basement of a building or home that is used for billing water usage

Partial Lead Service Line Replacement - when only a portion of a lead or galvanized service line is replaced

Service Line - the water line from the water main near the street to the building or residence

Water Main - a pipe that transports potable water from the water treatment plant to customers' service lines

III. DIAGRAM OF SERVICE LINE



Source: AWWA

FIGURE 1

IV. SYSTEM BACKGROUND

The City of East Moline was incorporated as a city in 1907. In 1986 Congress Amended the Safe Drinking Water Act, prohibiting the use of pipes, solder or flux that were not “lead free” in public water systems or plumbing in facilities providing water for human consumption. This prohibition became effective on June 19, 1988.

The City’s existing potable water system (IL1610250) includes one drinking water treatment plant and four water towers. The treatment process includes influent screening, coagulation and flocculation, sedimentation, filtration, and UV disinfection. The distribution system consists of approximately 104 miles of watermain and 7,172 service connections. The water main system is composed of cast iron pipe, ductile iron pipe, and PVC pipe which measure from 4” to 24” in diameter.

V. SERVICE LINE INVENTORY

The city’s current service line inventory as of March 2025 is:

Total Service Lines: 7,172

Lead: 1,592

Non-Lead: 1,394

Galvanized Requiring Replacement: 0

Unknown: 4,186

Community Water Supply ID: IL1610250

To view or lookup what materials the service line is composed of at each East Moline address, please view our service line inventory map here:

<https://www.arcgis.com/apps/webappviewer/index.html?id=8bd01cbf28104db7baacd7ff5d016e49>

Based on the age of properties, the City anticipates approximately 2,000 service lines will be confirmed as lead after additional investigation. The City has contracted with Robinson Engineering Ltd. (REL) to complete the additional investigation into service line materials and develop a complete service line inventory.

REL is in the process of performing the following:



Desktop Inventory - REL evaluated existing data and interviewed staff to fulfill the desktop inventory effort. City staff will continue to share existing information on water service material types throughout the system should more information become available.



Survey - REL developed the language and layout for a service line material determination survey. The survey was mailed throughout 2024 and asked residents to take photos of their service lines and submit the photos for REL to evaluate.



Exploratory Excavations - REL continues to coordinate the procurement of a subcontractor to excavate on the public right-of-way (ROW) side of the curb stop to determine water service line material at parcels selected by REL.



Predictive Modeling - REL continues to use an open-source predictive model to forecast the number of lead service lines in the public ROW. Information from material identification is fed into this model, and the model predicts the percentage chance that each parcel has a lead or galvanized pipe.

Since 2020 the city has replaced 96 lead service lines and anticipates replacing ~125-150 during 2025. The City has created a service line dashboard to keep residents informed of service line inventory and lead and galvanized service line replacements. The dashboard is found at: <https://www.arcgis.com/apps/dashboards/2ec021f17f974686b714907426938587>. This dashboard will change constantly as the City verifies service line materials and replacing service lines.

VI. WATER TREATMENT (CORROSION CONTROL)

The City currently implements corrosion control at their water treatment facility. The current corrosion control technique relies on pH adjustment as their primary means of reducing corrosion within the water system. This method has created excess scale within the water distribution system and thus, the City contracted with CDM Smith to complete a desktop analysis to review the City's current corrosion control practices. The study recommended a pipe loop study using harvested lead pipe to investigate the impact of pH adjustment and phosphate corrosion inhibitors on lead release. The pipe loop study will involve four test conditions: the current finished water quality (control), finished water at pH 7.8, finished water at pH 7.8 with an orthophosphate dose of 1.0 mg/L PO₄, and finished water at pH 7.8 with an orthophosphate dose of 3.0 mg/L PO₄. This study also will allow the City to optimize the target pH and quantify the benefits of orthophosphate. Based on the findings, the City can determine which condition is optimal for water stability and provide the optimum corrosion control.

VII. LEAD SERVICE LINE REPLACEMENT PRIORITIZATION

The replacement of lead service lines will be prioritized with the following criteria:

1. Populations Most Sensitive to the Effects of Lead
 - a. Day Cares
 - b. Schools
 - c. Nursing Homes and Medical Facilities
2. Disadvantaged Communities
 - a. Environmental Justice (Low Income)
 - b. Environmental Justice (1 mile buffer area)
3. Known Galvanized Service Lines

Appendix A includes maps and lists of service lines that will be replaced during phases I and II of lead and galvanized service line replacement. Appendix B includes a list of the known Daycares, Schools, and Medical Centers within the City Limits.

VIII. LEAD SERVICE LINE REPLACEMENT FUNDING STRATEGY

The City evaluated several options for paying for lead service line replacements, and on January 17th, 2023 the City's Committee of the Whole indicated that they supported spreading the impact of complying with the updated Lead and Copper Rule Revision over all the water utility accounts with a flat monthly charge. The monthly charge will cover lead and galvanized service line replacements. Spreading the cost over all utility accounts will limit the cost impact for any one property owner. The City continues to look for ways to reduce the cost burden and increase affordability for lower income residents via grant and loan opportunities.

The City is investigating the following potential sources of funding:

- Loan funding through the US EPA's Water Infrastructure Finance and Innovation Act (WIFIA) Program
- Loan funding through the Illinois EPA State Revolving Loan Fund
- Grant funding through the US Department of Housing and Urban Development's Community Development Block Grant
- Grant funding through the US Economic Development Administration's Public Works and Economic Adjustment Assistance Program (PWEAA)
- Local funds through the City's Business Development District or Tax Increment Financing
- District Compliance or user fees

The project planning report submitted by the City to the Illinois EPA has been approved. This planning approval allows the City to apply for Illinois EPA SRF Loans to fund the projects and at this time, the city is pursuing this funding mechanism. The IEPA is currently offering loans with 0% interest for 30-40 years for all lead service line replacement projects. The IEPA will consider the possibility of Principal Forgiveness for the projects across the State of Illinois which have the highest need and are considered located in an areas classified as a disadvantaged communities. Effective February 1, 2025, the City implemented utility rate increases to pay for both lead and galvanized service line replacements and capital improvements. Effective rates, as well as future rates, are outlined below:

Table 1 - Effective & Future Water Utility Rates

Water Utility Rates	Present Rate	2025	2026	2027	2028	2029
Billing Charge (\$/Month)	\$5.82	\$7.00	\$8.00	\$9.25	\$10.50	\$11.50
Consumption Charge (\$/CCF)						
0-80	\$9.08	\$10.16	\$11.32	\$12.63	\$14.21	\$15.21
80-200	\$6.03	\$6.74	\$7.50	\$8.38	\$9.43	\$10.11
200-700	\$5.88	\$6.57	\$7.32	\$8.19	\$9.19	\$9.86
700-1,137	\$4.22	\$4.72	\$5.71	\$6.74	\$7.62	\$8.21
1,137-8,022	\$1.52	\$1.85	\$2.30	\$2.71	\$3.30	\$3.80
8,022-33,423	\$1.15	\$1.52	\$1.95	\$2.50	\$3.08	\$3.69
33,423-66,845	\$1.06	\$1.41	\$1.84	\$2.38	\$2.96	\$3.57
66,845+	\$0.84	\$1.29	\$1.84	\$2.38	\$2.96	\$3.57

IX. LEAD SERVICE LINE REPLACEMENT SCHEDULE

The City initially planned to complete the replacement of all lead and galvanized requiring replacement service lines in five project phases (approximately 400 service lines per project phase), replacing all lead service lines within ten years depending on funding availability. However, the City has since decided to try to complete the full project within two construction years. The goal for the first year is to replace 953 lead and galvanized requiring replacement service lines. The goal for the second year is to replace all additional lead and galvanized requiring replacement service lines identified.

The projected average cost to replace a service line in Illinois is \$8,000, with the total projected anticipated cost for all lead and galvanized service line replacements being \$23,932,000.

The preliminary schedule associated with the projects is included below and has the following preliminary completion dates for major milestones. It should be noted that the dates shown below are subject to change and can be affected by a variety of external factors. The dates shown are merely target completion dates and are not binding.

X. AFFORDABILITY

The city recognizes the additional burden that increasing water rates may place on customers and has implemented a relief program for qualifying low-income residents. Applicants must reside within East Moline city limits, have a household income at or below 150% of the Federal Poverty Level (FPL), provide documentation to verify income, have an active utility account with the City of East Moline and demonstrate a history of timely payments.

More information and the application for assistance can be found at:
<https://www.eastmoline.com/309/Water-Sewer-Billing>.

Table 2 – Preliminary Project Implementation Schedule

TASK	INITIATION DATE	COMPLETION DATE
PHASE I		
Design	May 2025	August 2025
Permitting	N/A	
Bidding	September 2025	November 2025
Construction	January 2026	January 2027
PHASE II		
Design	August 2025	November 2025
Permitting	N/A	
Bidding	December 2025	January 2026
Construction	March 2026	March 2027
PHASE III		
Design	May 2026	August 2026
Permitting	N/A	
Bidding	September 2026	November 2026
Construction	January 2027	January 2028
PHASE IV		
Design	August 2026	November 2026
Permitting	N/A	
Bidding	December 2026	January 2027
Construction	March 2027	March 2028

Of these increases, we anticipate the increase attributed to lead and galvanized service line replacements to be as follows:

Table 3 - Effective & Future Water Utility Rates - Attributed to Lead & Galvanized Service Line Replacement Only

Year	Anticipated Water Rate Increase
2025	\$1.48
2025	\$1.55
2027	\$2.52
2028	\$2.77
2029	\$2.91

XI. COMMUNICATION

The City is committed to communicating the health risks of lead, the necessity of removing lead from the potable water system, and how this process will work. This communication will take place throughout the lead and galvanized service line replacement process and residents are welcome to contact the City’s water department to provide feedback on this plan or the process at any time.

1. **General Communication** – Information to be provided through the City’s website to residents/customers about the Health Hazards of Lead in Drinking Water, Sources of Lead in Drinking Water, and City Contacts, see Appendix C. The City will also publish the lead service line replacement plan and inventory on the City’s website.
2. **Lead Service Line Inventory Communication** – “Determining Your Service Line Material” Information to be provided to residents to assist with determining service line materials within the system, see Appendix D.
3. **Lead Service Line Replacement Communication**
 - a. A certified letter will be sent to the property owner to gain approval to replace the lead or galvanized service line on private property. The property owner will need to sign a “Lead Water Service Line Replacement Agreement”, see Appendix E. The agreement will allow the City (or their contractor) to enter the private property to

complete the service line replacement. If the property owner refuses to allow the City to replace the lead or galvanized service line, then the property owner will need to sign the "Waiver of Complete Lead Service Line Replacement", see Appendix F. The waiver will need to be filed by the City with the Illinois Department of Public Health. If the property is a rental, and the property owner refuses the lead or galvanized water service line replacement, the City will notify the renter of the refusal and inform the renter that the property owner is required to provide point of use water filters that are NSF/ANSI 53 and NSF/ANSI 42 certified for the reduction of lead and particulate.

b. 45 days prior to a service line replacement (or watermain repair/replacement) all affected residents shall receive a "Lead Informational Notice", see Appendix G. The notice will be repeated 2 weeks prior to the start of work.

c. A minimum of 48 hours prior to a service line replacement a "Public Notice" door hanger should be hung on the door of all residences and businesses that will be affected by the work, see Appendix G.

d. After the service line replacement, the City will provide each resident with "Household Plumbing Flushing Instructions" and a point of use water filter, see Appendix H.

e. Approximately 3-6 months after the lead or galvanized service line replacement, the resident will be sent a letter notifying them of the need for a lead sample and the sampling procedures, see Appendix I.

4. Lead and Copper Sampling Communication

a. Sample collection instructions will be provided to residents whose lead or galvanized service line has been replaced.

b. Results from this monitoring effort and information about lead will be provided to residents as soon as practical. If lead and/or copper levels are found to be above normal, immediate notification will be provided within 24 hours of receiving the results from the testing laboratory. If lead and/or copper levels are within normal range, results will be provided within 30 days after the City learns of the tap monitoring results from the testing laboratory.

XII. LEAD AND COPPER SAMPLE STANDARD PROCEEDURE

Samples for lead in drinking water are collected from a kitchen or bathroom faucet that has not been used for at least 6 hours, but has not gone without use for more than 18 hours. The best time to collect samples is either early in the morning or in the evening upon returning from work. Samples should not be collected from homes that have a water softening system or homes that are vacant. The collection procedure is described below:

1. Prior arrangements will be made with the customer to coordinate sample collection. Dates will be set for sample kit delivery by water utility staff.
2. There must be a minimum of 6 hours during which there is no water used throughout the house (no showers, laundry, dishes, toilet flushing, etc.) Early mornings or evenings upon returning home from work and school are the best sampling times to ensure that the necessary stagnant water conditions exist. Do not intentionally flush the water line before samples are collected.

3. Samples should be collected from the cold water faucet in a kitchen or bathroom. Do not remove the aerator prior to collecting the samples. Place the opened sample bottle below the faucet and open the **cold** water tap as you would do to fill a glass of water. Fill the bottle to the top, but do not let it overflow.
4. Tightly cap the sample bottle and place it in the sample kit provided. Please review the sample kit label at this time to ensure that all information contained on the label is correct.
5. If any plumbing repairs or replacements have been performed in the home since the previous sampling event, note this information on the label as provided.
6. Place the sample kit in the same location that the kit was delivered to and call the City to notify them the sample is ready to be picked up.
7. Results from this monitoring effort and information about lead will be provided to residents as soon as practical. If lead and/or copper levels are found to be above normal, immediate notification will be provided within 24 hours of receiving the results from the testing laboratory. If lead and/or copper levels are within normal range, results will be provided within 30 days after the City learns of the tap monitoring results from the testing laboratory.

XIII. LEAD SERVICE LINE REPLACEMENT STANDARD PROCEDURE

The City is committed to completing “Full Lead Service Line Replacements” (within the public right of way and on private property) whenever possible. The communication for service line replacements should follow Section XI Communication.

Lead Service Line Replacements are typically completed in one of three ways, as indicated below and in Appendix J:

OPEN TRENCH

Requires digging a trench to break the surface materials and soil along the entire length of the pipe.

- type of material, soil affect plausibility and pricing
- pipe condition does not matter
- high customer impact such as traffic and noise
- reliable, but slow and costly



EXISTING ROUTE



Using machines and access pits, the old lead pipe is replaced while simultaneously placing a new pipe.

- soil type may prevent using this method
- pipe condition does matter
- moderate customer impacts
- less disruptive and more common, but more risky

NEW ROUTE

Old lead pipe is left in the ground and new pipe is installed along a new route using a trenchless method.

- soil type & utilities may prevent using this method
- pipe condition does not matter
- moderate customer impacts
- less disruptive, but less commonly used



If a resident decides to complete a lead service line replacement on their own, the City will provide them with the information included in Appendix K. A partial lead service line replacement may only be made for the following conditions:

1. *Emergency Repair* - In the event of an emergency repair that affects a lead service line or a suspected lead service line, The City must contact the building owner to begin the process of replacing the entire service line. If the building owner is not able to be contacted or the building owner or occupant refuses to grant access and permission to replace the entire service line at the time of the emergency repair, then the community water supply may perform a partial lead service line replacement. Where an emergency repair on a service line constructed of lead or galvanized steel pipe results in a partial service line replacement, the City shall complete the following:

a. Notify the building's owner or operator and the resident or residents served by the lead service line in writing that a repair has been completed. The notification shall include, at a minimum:

- a warning that the work may result in sediment, possibly containing lead, in the buildings water supply system;
- information concerning practices for preventing the consumption of any lead in drinking water, including a recommendation to flush water distribution pipe during and after the completion of the repair or replacement work and to clean faucet aerator screens; and
- information regarding the dangers of lead to young children and pregnant women.

b. Provide point of use water filter. The filter must be certified by an accredited third-party certification body to NSF/ANSI 53 and NSF/ANSI 42 for the reduction of lead and particulate. The filter must be provided until such time that the remaining portions of the service line have been replaced with a material approved by the City or a waiver by the property owner (Appendix F) has been executed.

c. Replace the remaining portion of the lead service line within 30 days of the repair, or in the event of weather or other circumstances beyond reasonable control that prohibits construction the service line shall be replaced within 120 days. If a complete lead service line replacement cannot be made within the required period, the City shall notify the Department of Public Health in writing, at a minimum, of the following within 24 hours of the repair:

- an explanation of why it is not feasible to replace the remaining portion of the lead service line within the allotted time; and
- a timeline for when the remaining portion of the lead service line will be replaced.

d. If the property owner refused to allow the City to replace the lead water service line, then the property owner will need to sign the “Waiver of Complete Lead Service Line Replacement”, see Appendix F. The waiver will need to be filed by the City with the Illinois Department of Public Health. If the property is a rental, and the property owner refuses the lead water service line replacement, the City should notify the renter of the refusal and inform the renter that the property owner is required to provide point of use water filters.

e. Document any remaining lead service line, including a portion on the private side of the property, in the community water supply's distribution system materials inventory required under subsection (d).

If any of the portion of a lead service line is abandoned in place, the property owner should be notified.

XIV. PROCUREMENT OF LEAD AND GALVANIZED SERVICE LINE REPLACEMENT SERVICES

When awarding a contract for lead service line replacements the City will encourage diversity in the work force. The City will make a good faith effort to use contractors and vendors owned by minority persons, women, and persons with a disability, as those terms are defined in Section 2 of the Business Enterprise for Minorities, Women, and Persons with Disabilities Act, for not less than 20% of the total contracts, provided that:

- (1) contracts representing at least 11% of the total projects shall be awarded to minority-owned businesses, as defined in Section 2 of the Business Enterprise for Minorities, Women, and Persons with Disabilities Act;
- (2) contracts representing at least 7% of the total projects shall be awarded to women-owned businesses, as defined in Section 2 of the Business Enterprise for Minorities, Women, and Persons with Disabilities Act; and
- (3) contracts representing at least 2% of the total projects shall be awarded to businesses owned by persons with a disability.

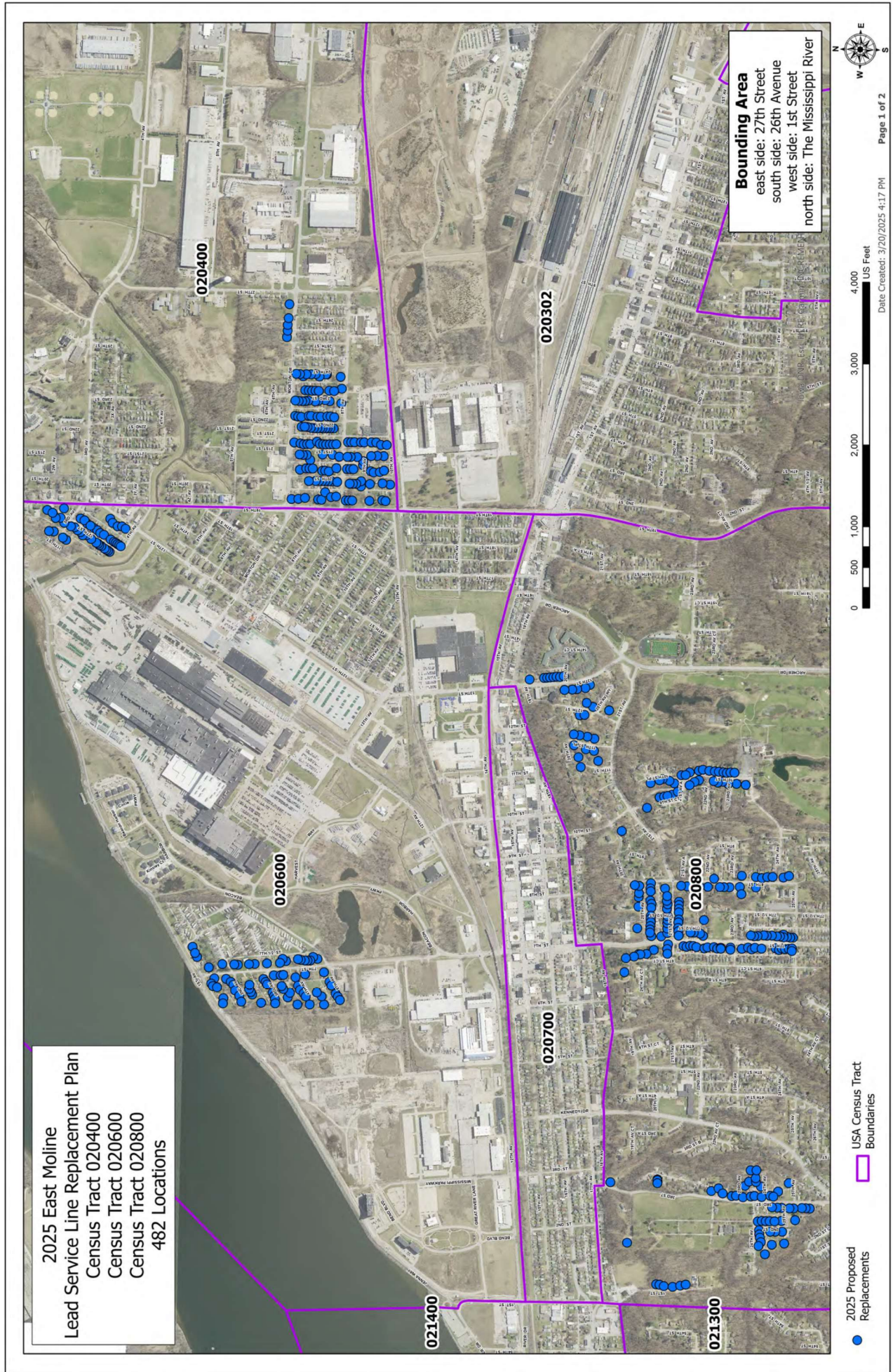
XV. CONCLUSION

The City is committed to reducing residents' exposure to lead in drinking water. The City has developed the above replacement plan to formalize the requirements for communication, sampling and construction procedures. The plan meets the requirements of Section 17.12 of the Illinois Environmental Protection Act.

EXHIBITS

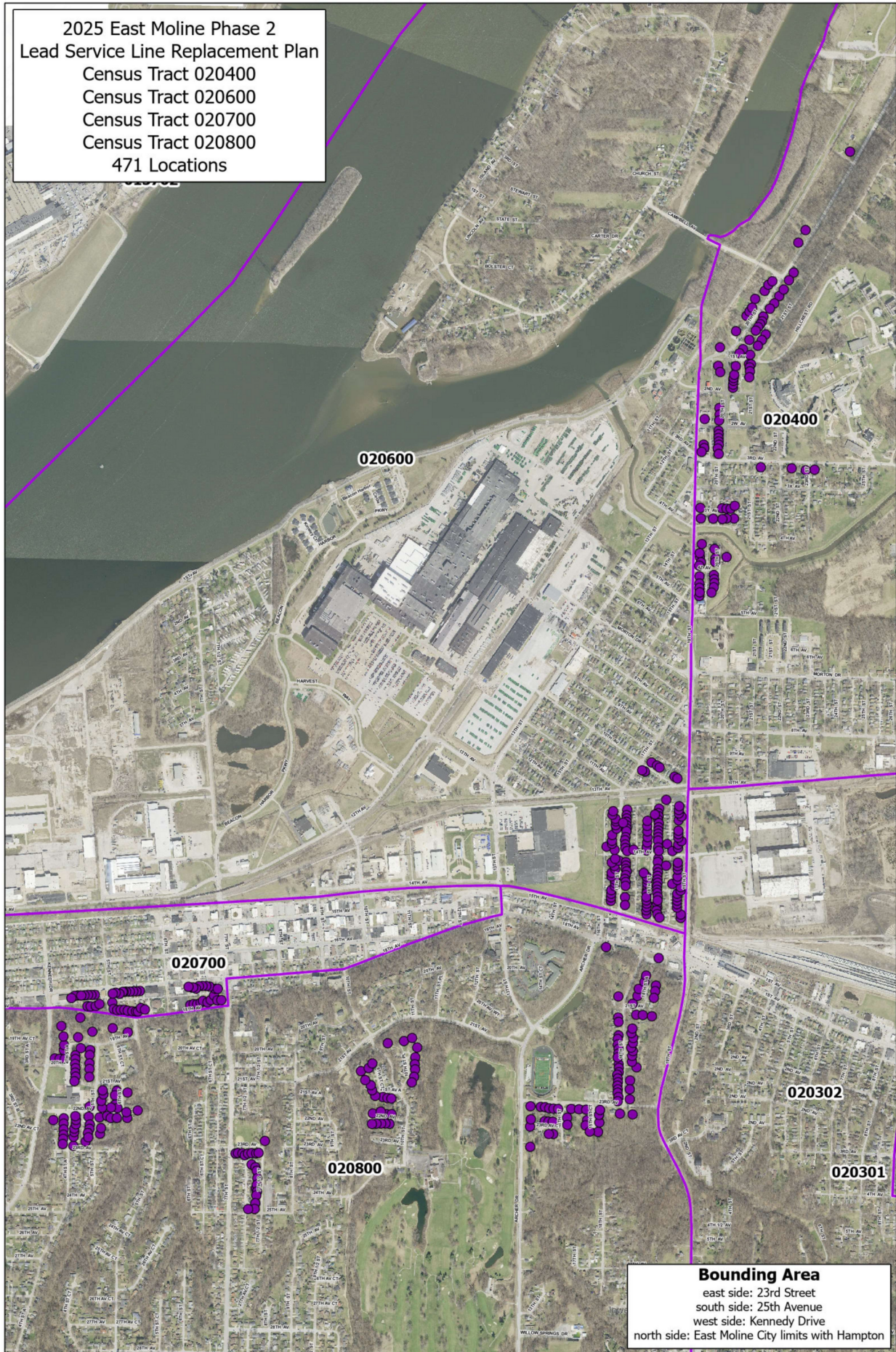
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Appendix A: Phase I Service Line Replacement Locations Map



Appendix A: Phase II Service Line Replacement Locations Map

2025 East Moline Phase 2
Lead Service Line Replacement Plan
Census Tract 020400
Census Tract 020600
Census Tract 020700
Census Tract 020800
471 Locations



Bounding Area
east side: 23rd Street
south side: 25th Avenue
west side: Kennedy Drive
north side: East Moline City limits with Hampton

● 2025 Proposed Replacements Phase 2
□ USA Census Tract Boundaries

0 500 1,000 2,000 3,000 4,000 US Feet

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PRIORITY LOCATIONS**Daycares:**

Lucky Charms Daycare, 308 13th St
Municipality of San Sebastian, 499 27th St
Luv N Care Day Care Services, 714 20th St
St. John's Lutheran Church, 1450 30th Ave
Area Career Center, 1275 Avenue of the Cities
Project Now Head Start Child Development Center, 499 27th St
Project Now 1st Pres Center, 777 25th Ave
Koley's Kids Daycare, 1120 46th Ave
Aldridge Early Learning Center, 489 27th St
Sandra Vandaele Daycare, 2809 158th St N
Brian Klinge Daycare, 1120 46th Ave
Khadiga Ali Daycare, 1834 28 ½ Ave
Antanesha Jones Daycare, 731 Allen St
Leann Samuelson Daycare, 1105 46th Ave
Dawn Bance Daycare, 409 26th Ave
Kimberly Devore Daycare, 18811 Hubbard Rd
Nasra Ahmed Daycare, 602 22nd St
Kimberly Wilkins Daycare, 2610 17th St
Sandra Doud Daycare, 515 34th Ave
Latayna Morris Daycare, 3007 10th St
Octavia Tousseau Daycare, 2695 1st St
Shirley Gosney Daycare, 4243 9th St
Patricia Dorman Daycare, 1341 11th Ave
April Crawford Daycare, 4522 8 ½ St
Tonya Franks Daycare, 2101 9th Ave
It's a Childs World 2, 1450 30th Ave
Darlene Goins Daycare, 714 20th St

Schools:

East Moline Early Learning Center, 3100 4th Ave
East Moline Christian School, 900 46th Ave
Our Lady of Grace Catholic Academy, 603 18th Ave
Best Beginnings Preschool, 526 Avenue of the Cities
United Township High School, 1275 Avenue of the Cities
Hillcrest Elementary School, 451 22nd Ave
Ridgewood Elementary School, 814 30th Ave
Northeast Junior High School, 4280 4th Ave
Glenview Middle School, 3100 7th St
Wells Elementary School, 490 Avenue of the Cities
Black Hawk Area Special Ed Center, 4680 11th St
Bowlesburg Elementary School, 2221 10th St
One World School – LLC, 747 18th Ave

Medical Centers:

Community Health Care East Moline Clinic, 708 15th Ave
Stone Ridge Medical Group, 306 46th Ave

HISTORY OF LEAD IN DRINKING WATER & LEGISLATION

HISTORY

In the United States, through the early 1900s, it was common practice to use lead pipes for interior plumbing and exterior service lines. During the 1930s, copper pipes began to replace lead pipes for interior plumbing. However, until 1986, lead solder was allowed to be used to connect those interior copper pipes, and lead exterior services lines were allowed. Therefore, homes and buildings built before 1986 are at higher risk of exposure to lead in drinking water. Lead-free solder and lead-free materials are now required by federal law for use in new household plumbing and for plumbing repairs.

THE LEAD & COPPER RULE

In 1991, the United States Environmental Protection Agency (EPA) passed the Lead and Copper Rule (LCR) to protect public health and reduce exposure to lead in drinking water. Since its passing, the LCR has gone through several reviews and revisions, with the Lead and Copper Rule Revisions (LCRR) passing in 2021. The LCRR focuses on:



Community
Education



Lead and Copper
Monitoring



Corrosion Control



Service Line
Material
Inventory



Lead
Service Line
Replacement

For more information on lead in drinking water and lead legislation, please visit:
<https://www.epa.gov/ground-water-and-drinking-water/basic-information-about-lead-drinking-water>.

HEALTH HAZARDS OF LEAD IN DRINKING WATER & REDUCING YOUR RISK

HEALTH HAZARDS FROM LEAD EXPOSURE



Brain damage



Kidney damage



Interfere with production of red blood cells

Lead can cause serious health problems if too much enters your body from drinking water or other sources. The greatest risk of lead exposure is to infants, young children, and pregnant women. Scientists have linked the effects of lead on the brain with lowered IQ in children. Adults with kidney problems and high blood pressure can be affected by low levels of lead more than healthy adults.

REDUCE YOUR EXPOSURE TO LEAD IN WATER



When water has not been used for several hours, run the COLD water for at least 3 minutes to help flush lead-containing water from the pipes.



Pregnant women, breast-feeding women, young children, and formula-fed infants at homes where lead has been detected at levels greater than 15 ppb should use bottled water.



Lead dissolves more easily in hot water, so use COLD water for drinking, cooking and preparing baby formula.



Boiling water will NOT reduce lead.



Test your water for lead.



Consider using a water filter that is NSF certified for lead removal.

PELIGROS PARA LA SALUD DEL PLOMO EN AGUA POTABLE Y REDUCCIÓN DEL RIESGO

PELIGROS PARA LA SALUD POR LA EXPOSICIÓN AL PLOMO



Daño cerebral



Daño en el riñón



Interferir con la producción de glóbulos rojos.

El plomo puede causar serios problemas de salud si entra demasiado en su cuerpo a través del agua potable o de otras fuentes. El mayor riesgo de exposición al plomo es para bebés, niños pequeños y mujeres embarazadas. Los científicos han relacionado los efectos del plomo en el cerebro con un coeficiente intelectual reducido en los niños. Los adultos con problemas renales y presión arterial alta pueden verse afectados por niveles bajos de plomo más que los adultos sanos.

REDUZCA SU EXPOSICIÓN AL PLOMO EN EL AGUA



Cuando no se haya usado agua durante varias horas, deje correr el agua FRÍA durante al menos 3 minutos para ayudar a eliminar el agua que contiene plomo de las tuberías.



Las mujeres embarazadas, las mujeres que amamantan, los niños pequeños y los bebés alimentados con fórmula en hogares donde se ha detectado niveles de plomo superiores a 15 ppb deben usar agua embotellada.



El plomo se disuelve más fácilmente en agua caliente, así que use agua FRÍA para beber, cocinar y preparar formula para bebé.



El agua hirviendo NO reducirá el plomo.



Analice su agua en busca de plomo.



Considere usar un filtro de agua certificado por la NSF para la eliminación de plomo.

LEAD & LEAD SERVICE LINE CITY CONTACTS

**SERVICES
309-752-1573
MAINTENANCE**

Contact:

- To report your service line material
- To have City staff come to your house to identify your service line material
- If you plan to replace all or any portion of your lead service line
- If you are refusing to replace your lead service (the City must be notified and customer must sign a waiver stating their refusal)

**WATER
309-752-1520
MON**

Contact:

- For questions about water quality, including lead in drinking water and health hazards of lead in drinking water
- For assistance with having your water tested for lead
- For assistance with water filters
- For questions about flushing the water in your home or building

**INSPECTIONS
309-752-1512**

Contact:

- To find out if your plumber is licensed

LÍNEA DE SERVICIO DE PLOMO Y PLOMO CONTACTOS DE LA CIUDAD

**MANTENIMIENTO
SERVICIOS
309-752-1573**

Contacto:

- Para reportar su material de línea de servicio
- Que el personal de la ciudad vaya a su casa para identificar el material de su línea de servicio
- Si planea reemplazar toda o parte de su línea de servicio de plomo
- Si se niega a reemplazar su servicio de plomo (se debe notificar a la ciudad y el cliente debe firmar una renuncia que indique su negativa)

**AGUA
FILTRACIÓN
309-752-1520**

Contacto:

- Para preguntas sobre la calidad del agua, incluido el plomo en el agua potable y los peligros para la salud del plomo en el agua potable
- Para obtener ayuda para analizar el agua en busca de plomo
- Para asistencia con filtros de agua
- Si tiene preguntas sobre cómo descargar el agua de su casa o edificio

**INSPECCIONES
309-752-1512**

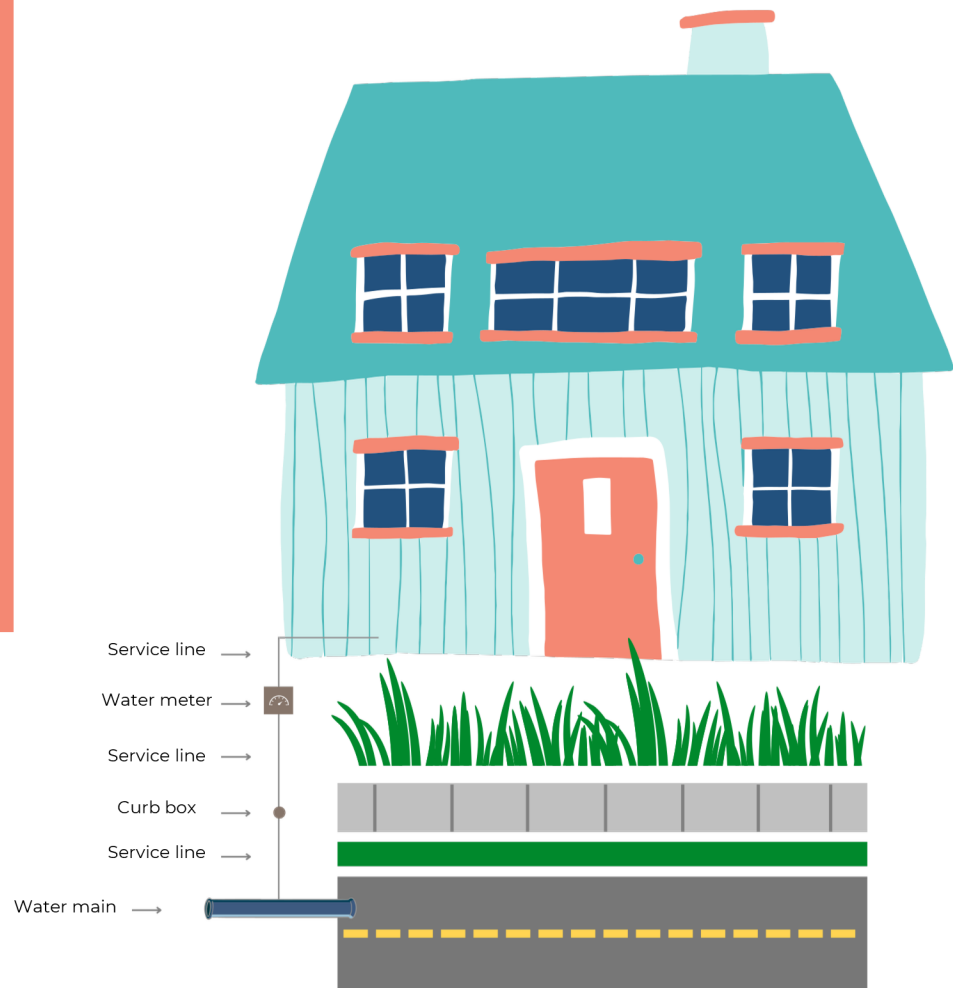
Contacto:

- Para saber si su plomero tiene licencia

SERVICE LINES & LEAD IN DRINKING WATER

WHAT IS A SERVICE LINE?

A service line is a copper, galvanized steel or lead pipe that carries your drinking water underground from the City's water main to your home or building. It usually enters a home or building through the basement.



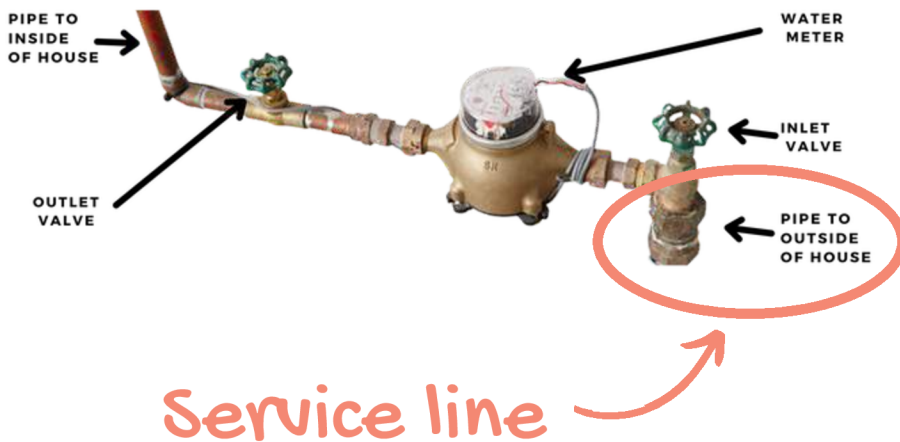
To evaluate and decrease the risk of lead in drinking water, the City is developing a service line material inventory. Understanding the materials of each service line within the City will help us to develop a plan for lead service line replacement in the future.

If you know your service line material, please report it at <https://www.eastmoline.com/426/Report-Your-Service-Line> or call Maintenance Services at 309-752-1573. You may see City staff out canvassing neighborhoods and asking for entry into your home to look at your service line. City staff will always present with a City shirt, employee id, and/or City vehicle.

SERVICE LINES & LEAD IN DRINKING WATER

DETERMINING YOUR SERVICE LINE MATERIAL

Call a plumber, or, if you are an East Moline resident, the City's Maintenance Services Department (309-752-1573) to look at your service line, or you can do it yourself!



TO DO IT YOURSELF:

1. Determine where your service line comes into your house or building. In most, it is in the basement.
2. Look at the service line pipe, scratch it with a coin or flat head screwdriver, put a magnet on it to see if it is magnetic, and tap it with a coin or screwdriver to determine which sound it makes. Refer to the information below for results.



COPPER

Appearance: dull brown or reddish
Scratch: color of a penny
Magnetic: no
Tapping: produces a metallic ringing noise



GALVANIZED STEEL

Appearance: dull gray and soft
Scratch: easy to scratch, shiny silver
Magnetic: yes
Tapping: produces a metallic ringing noise



LEAD

Appearance: dull silver or gray
Scratch: hard to scratch, dull gray
Magnetic: no
Tapping: produces a dull noise

**EXHIBIT E
TO BE DEVELOPED**



525-535 West Jefferson Street • Springfield, Illinois 62761-0001 • www.dph.illinois.gov

WAIVER OF COMPLETE LEAD SERVICE LINE REPLACEMENT

You are receiving this form because your property has been identified by your community water supply (CWS) as being served by a lead service line or galvanized service line located downstream of lead and you are refusing to allow the community water supply (CWS) to replace your entire service line.

The purpose of this form is to provide you, the property owner, with information necessary to make an informed decision about lead service line replacement.

Replacement and Notification Act, Public Act 102-0613, the owner or operator of your CWS is required to replace your lead service line in its entirety, including any portion of the service line running on private property and within the building's plumbing at the first shut-off valve or 18 inches inside the building, whichever is shorter. If you deny the CWS the ability to perform a complete lead service line replacement, then you, the property owner, must sign this waiver form in accordance with 415 ILCS 5/17.12 (ff)(1)(D) and 17.12 (ii).

The following items should be considered by property owners regarding lead service line replacement:

- **Lead service lines and galvanized service lines downstream of lead can be significant contributors of lead contamination in drinking (tap) water through the corrosion of these materials.** Service lines are pipes that carry drinking water from the CWS water main to a home or building. A study published by American Water Works Association (AWWA) Water Research Foundation (2008) "Contributions of Service Line and Plumbing Fixtures to Lead and Copper Rule Compliance Issues" (Sandvig et al, 2008) estimates that 50% – 75% of lead in drinking water comes from lead service lines.
- **Lead is a toxic metal that is harmful to human health even at low exposure levels.** Young children are particularly vulnerable to lead. The adverse health effects of lead exposure include damage to the brain and nervous system, slowed growth and development, learning and behavior problems, hearing and speech problems, lower IQ, decreased ability to pay attention, and underperformance in school. Please see the CDC's website, <https://www.cdc.gov/nceh/lead/prevention/health-effects.htm> for additional information regarding health effects of lead.
- **Partial lead service line replacements can increase lead levels for long periods of time.** Partial lead service line replacement means replacement of only a portion of a lead service line or a galvanized service line downstream of lead. Following a partial lead service line replacement, lead levels increase and construction activities such as digging and cutting release particulate lead. Particulate lead is a concern because the lead content can be very high. Additionally, new materials from partial lead service line replacements can increase corrosion or create galvanic corrosion.
- **Property owners of nonresidential properties or properties operating as rental property have responsibilities under the Lead Service Line Replacement and Notification Act after denial of complete lead service line replacement.** In accordance with 415 ILCS 5/17.12 (ff), owners of nonresidential buildings or a residence operating as a rental property shall be responsible for installing and maintaining certified point-of-use filters for the reduction of lead (NSF/ANSI Standard 53) and

particulates (NSF/ANSI Standard 42) at all plumbing fixtures intended to supply water for the purposes of drinking, food preparation, or making baby formula until such time that the property owner has affected the remaining portions of the lead or galvanized service line to be replaced. **Unsafe**

- ***conditions and knowledge of the remaining lead piping must be disclosed appropriately.*** Waiver or denial of complete replacement of a lead service line may create unsafe concentrations of lead and/or unsafe conditions relating to the remaining lead water pipe. If the property is a residential real property as defined by the Residential Real Property Disclosure Act (765 ILCS 77/5), appropriate disclosure shall be made at any transfer of sale, exchange, installment land sale contract, assignment of beneficial interest, lease with an option to purchase, ground lease, or assignment of ground lease.
- ***Service lines are plumbing and are required to be replaced by individuals authorized by the Plumbing License Law (225 ILCS 320/3).*** Service lines are plumbing as defined by the Plumbing License Law (225 ILCS 320/3). As plumbing, service lines are required to be repaired, replaced, and installed by authorized individuals and in accordance with the requirements of the Illinois Plumbing Code (77 Ill. Adm. Code 890).
- ***If the property is operating as a childcare operation, there are additional requirements regarding lead in drinking water under Department of Family and Children Services (DCFS) licensing standards.*** Under DCFS licensing standards, changes in water profile including changes to the water service line require retesting of the drinking water for presence of lead. Where lead is detected at or above DCFS's action level, a mitigation plan to reduce the concentration of lead is required.

More information about lead in drinking water and the effects of lead can be found at IDPH's website: <https://dph.illinois.gov>.

In consideration of the above information, IDPH strongly recommends you allow your CWS to replace your lead service line in its entirety. If you choose to waive and deny a complete lead service line replacement at your property, this form must be completed and returned to your CWS. Sections 1,2, and 3 of this form are to be completed by the CWS and Sections 4 and 5 of this form are to be completed by, you, the property owner of the affected property.

WAIVER OF COMPLETE LEAD SERVICE LINE REPLACEMENT

Sections 1, 2, and 3 must be completed by the CWS prior to providing the form to the property owner.

SECTION 1: COMMUNITY WATER SUPPLY INFORMATION	
CWS Name	ID Number
Phone	Email
CWS Mailing Address	
CWS City	Zip Code
SECTION 2: SERVICE LINE ACTIVITY INFORMATION	
<input type="checkbox"/> Emergency Repair <input type="checkbox"/> Planned Replacement	Date of Activity
SECTION 3: AFFECTED PROPERTY	
Street Address	
City	Zip Code

Sections 4 and 5 must be completed by the owner of the affected building identified above and returned to the community water supply.

SECTION 4: Property Owner Information	
Full Name (First Name Last Name)	
Phone	Email
SECTION 5: DENIAL OF COMPLETE LEAD SERVICE LINE REPLACEMENT	
<input type="checkbox"/> By signing this waiver, I acknowledge that I am the property owner of the affected property located at the address listed in Section 3 of this form and I have been informed by the CWS that my property has a lead service line. I have read and understand the information provided within this waiver regarding the hazards of lead in drinking water, partial lead service line replacement, and Illinois laws about responsibilities of property owners for providing filters, disclosing the presence of lead water service lines, and requirements for child care facilities.	
<input type="checkbox"/> By signing this waiver, I acknowledge that I am waiving the community water supply's requirement to replace my lead service line in its entirety. I acknowledge that this waiver will result in a partial lead service line replacement and it may be unsafe to drink, cook with, or otherwise consume water from the tap, unless it has been filtered with a filter certified to meet NSF/ANSI Standard 53 and 42.	
Signature	Date

All parties should retain a copy of this form for their records. The Community Water Supply must also provide notification to IDPH using the electronic forms located at <https://dph.illinois.gov/topics-services/environmental-health-protection/lead-in-water.html>.

Lead Informational Notice

IMPORTANT INFORMATION ABOUT YOUR DRINKING WATER

Dear Water Customer: Today's Date: _

03/27/2023

This notice contains important information about your water service and may affect your rights. We encourage you to have this notice translated in full into a language you understand and before you make any decisions that may be required under this notice.

Diese Mitteilung beinhaltet wichtige Informationen über Ihre Wasserversorgung und könnte Ihre Rechte beeinflussen. Wir bitten Sie, dass Sie diese Mitteilung vollständig in eine Sprache übersetzen lassen, die Sie verstehen, bevor Sie eventuelle Entscheidungen treffen, welche im Zusammenhang mit dieser Benachrichtigung erforderlich sind.

Ang abisong ito ay naglalaman ng mahalagang impormasyon tungkol sa iyong serbisyo sa tubig at maaaring makaapekto sa iyong mga karapatan. Hinihikayat namin kayo na isalin nang buo ang abisong ito sa wikang naiintindihan ninyo at bago kayo gumawa ng anumang mga desisyon na maaaring kailanganin sa abisong ito.

આ િયૂનામાં ંતમાર પાણીની સેવા િવશે મહત્વ િણૂ ભાઈતી શામેલ છે અને તમારા અધિકારોને અસર કર શક છે. અમે તમને પ્રોત્સાહત કર એ છ એ ક તમે આ િયૂના હઠ ણ જ ર હોય તેવા કોઈપણ િનણયરો લો તે પહલવિ ંતમે આ િયૂનાને તમે સમજો છો તે ભાષામાં ંસ િ િણૂ ભાઈાંતર કરો.

Niniejsze zawiadomienie zawiera ważne informacje na temat Państwa przyłącza wodociągowego i może mieć wpływ na Państwa prawa. Przed podjęciem jakichkolwiek decyzji, które mogą być wymagane na mocy niniejszego zawiadomienia, zachęcamy Państwa do przetłumaczenia całości niniejszego zawiadomienia na język, który będzie dla Państwa zrozumiały.

يحتوي هذا الإشعار على معلومات مهمة حول خدمة المياه لديك، وقد يؤثر على حقوقك. قبل اتخاذ أي قرارات قد تكون مطلوبة بموجب هذا الإشعار فإننا نشجعك على ترجمته بالكامل إلى لغة تفهمها.

اس نوٹس میں آپ کی پانی کی سروسز سے متعلق اہم ترین معلومات موجود ہیں اور یہ آپ کے حقوق کو متاثر کر سکتا ہے۔ ہم آپ کو ترغیب دیں گے کہ آپ اس نوٹس کا مکمل طور پر اس زبان میں ترجمہ کروائیں جو آپ سمجھتے ہوں اور ممکن ہے کہ آپ کے کوئی فیصلہ لینے سے قبل اس نوٹس کے تحت یہ درکار بھی ہو۔

Este aviso contiene información importante sobre su servicio de agua y puede afectar sus derechos. Lo animamos a que traduzca este aviso a un idioma que comprenda antes de tomar cualquier decisión que pueda ser necesaria en virtud del mismo.

이 통지서에는 귀하의 권리에 영향을 미칠 수 있는 수도 서비스에 관한 중요한 정보가 제시되어 있습니다. 이 통지서에서 요구하는 결정을 내리기 전에 이 통지서를 귀하가 이해할 수 있는 언어로 번역하시기 바랍니다.

本通知包含有关您的供水服务的重要信息，可能会影响到您的权利。在您做出本通知所要求的任何决定之前，我们鼓励您将本通知完整地翻译成您可理解的语言。

Lead Informational Notice

IMPORTANT INFORMATION ABOUT YOUR DRINKING WATER

Our water system will soon begin a water line maintenance and/or construction project that may affect the lead concentrations in your drinking water. Lead, a metal found in natural deposits, is harmful to human health, especially young children, and pregnant women. It can cause damage to the brain and kidneys and can interfere with the production of red blood cells that can carry oxygen to all parts of your body. The most common exposure to lead is swallowing or breathing in lead paint chips and dust. However, lead in drinking water can also be a source of lead exposure. In the past, lead was used in some water service lines and household plumbing materials. Lead in water usually occurs through corrosion of plumbing products containing lead; however, disruption (construction or maintenance) of lead service lines may also temporarily increase lead levels in the water supply. This disruption may be sometimes caused by water main maintenance/replacement.

The purpose of this notice is for informational purposes only. While it's not known for certain whether this construction project will adversely affect the lead (if present) plumbing in and outside your home, below describes some information about the project and some preventative measures you can take to help reduce the amount of lead in drinking water.

Project Start Date: 03/13/2023 Project expected to be completed by: 06/30/2023

Project location and description: 15th Avenue Water Main Replacement Project

Replacement of Water Main from 6th St to 9th St, Replacement of Water services from curb stop to meter from 6th St to 12th St

What you can do to reduce lead exposure in drinking water during this construction project:

- *Run your water to flush out lead.* If the plumbing in your home is accessible; you may be able to inspect your own plumbing to determine whether you have a lead service line or lead solder. Otherwise, you will most likely have to hire a plumber.
 - If you do not have a lead service line, running the water for 1 – 2 minutes at the kitchen tap should clear the lead from your household plumbing to the kitchen tap. Once you have done this, fill a container with water and store it in the refrigerator for drinking, cooking, and preparing baby formula throughout the day.
 - If you do have a lead service line, flushing times can vary based on the length of your lead service line and the plumbing configuration in your home. The length of lead service lines varies considerably. Flushing for at least 3 – 5 minutes is recommended.
- *Use cold water for drinking, cooking, and preparing baby formula.* Do not cook with or drink water from the hot water tap; lead dissolves more easily into hot water. Do not use water from the hot water tap to make baby formula.
- *Look for alternative sources or treatment of water.* You may want to consider purchasing bottled water or a water filter that is certified to remove "total lead".
- *Clean and remove any debris from faucet aerators on a regular basis.*
- *Do not boil water to remove lead. Boiling water will not reduce lead.*
- *Purchase lead-free faucets and plumbing components.*
- *Remove the entire lead service line.*
- *Test your water for lead.* Call us at: 309-752-1520 to find out how to get your water tested for lead. While we do not do the testing, we can provide a list of laboratories certified to do the testing. Laboratories will send you the bottles for sample collection. Please note that we are not affiliated with any laboratory, and they will charge you a fee.
 - If test results indicate a lead level above 15 ug/L, bottled water should be used by pregnant women, breast-feeding women, young children, and formula-fed infants.

PUBLIC NOTICE

Date: _____

PUBLIC NOTICE

Date: _____

PUBLIC NOTICE

Date: _____

The City of East Moline is starting an infrastructure improvement project in the above-referenced area. Construction work is scheduled to include replacement of the water main along the center of 15th Avenue from 6th Street to 9th Street. Construction will necessitate removal & patching of the existing pavement, along with other associated work on water services, sewer and drainage facilities along the street as required. **This project is adjacent to your business or residence and is scheduled to begin the week of April 3rd, weather permitting.**

During construction, roadway closures will be necessary, and temporary access will be provided to businesses. During construction, the north side of 15th Avenue will be closed to allow the installation of the water main, water services and other underground utilities. There will also be intermittent closures to the south side if the road to allow for water service replacement. The project is scheduled to be completed in July, weather and other factors permitting. We apologize for the temporary inconvenience that is always caused by construction, but we hope that you will soon appreciate these much-needed improvements. As a business owner or resident, the best way you can contribute to the project is to exercise patience and consideration of others. Your cooperation with the construction crews and city staff is a key in making this a successful project. Please contact the East Moline Engineering Construction Manager Eric McLaughlin at (309-752-1573) with any questions. Thank you for your cooperation!

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AVISO PÚBLICO

La ciudad de East Moline está iniciando un proyecto de mejora de infraestructura en el área mencionada. La construcción work está programado para incluir la sustitución de la red principal de agua a lo largo del centro de 15th Avenue de 9th Street a 12th Street. La construcción requerirá la remoción y sustitución del pavimento existente, junto con otros trabajos asociados sobre servicios de agua, alcantarillado e instalacionesde drenaje a lo largo de la calle según seanecesario. **Este proyecto es adyacente a su residencia y está programado para begin** ~~en la semana del 7 de octubre, si el tiempo lo permite.~~

Durante la construcción, será necesario cerrar las carreteras y se proporcionará acceso temporal a las empresas. Durante la construcción se cerrará el lado norte del 15o para permitir la instalación de la red de agua, servicios de agua y otros servicios públicos subterráneos. Está previsto que el proyecto se complete en noviembre, el clima y otros factores lo permitan.

Nos disculpamos de antemano por el inconveniente temporal que siempre es causado por la construcción, pero esperamos que pronto apreciará estas mejoras muy necesarias. Como ciudadano, la mejor manera de contribuir a SU proyecto es ejercer paciencia y consideración de los demás. Su cooperación con la ciudad y los equipos de construcción es la clave para hacer de este un proyecto exitoso! Comuníquese con el Gerente de Construcción de Ingeniería de East Moline Eric McLaughlin al (309-752-1573) si tiene alguna pregunta. ¡Gracias por su cooperación!



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Confirmation of Receipt of Water Filter Pitcher Following Lead Service Line Replacement

Following partial or full lead service line replacement at my address _____, I acknowledge the following:

_____ A City employee educated me on the hazards of lead in water after partial or full lead service line replacement

_____ A City employee provided the following educational materials to me:

_____ Notification of Lead Service Line Replacement due to City of East Moline Water System Construction Project

_____ History of Lead in Drinking Water & Legislation

_____ How Does Lead Get into Drinking Water

_____ Health Hazards of Lead in Drinking Water & Reducing Your Risk

_____ Lead Service Line Replacement

_____ A City employee provided me 1 Brita Water Filtration Pitcher(s) that are certified to remove 99% of lead and will last for approximately 6 months each IF properly maintained

_____ I agree to follow the directions provided with the Brita Long Last Water Filtration Pitcher to ensure lead is safely removed from my drinking water

_____ I agree to allow City staff to collect a follow-up water sample around 3 months after the date of my lead service line replacement

Resident Signature

Resident Name (Printed)

Signature of Employee Delivering Pitcher

Date/Time Pitcher was Delivered:



Confirmación de recepción de la jarra con filtro de agua luego del reemplazo de la línea de servicio de plomo

Después del reemplazo total o parcial de la línea de servicio de plomo en mi dirección 729 25th Street East Moline, IL, reconozco lo siguiente:

___ Un empleado de la ciudad me informó sobre los peligros del plomo en el agua después del reemplazo parcial o total de la línea de servicio de plomo

___ Un empleado de la ciudad me proporcionó los siguientes materiales educativos:

___ Notificación de reemplazo de la línea de servicio de plomo debido al proyecto de construcción del sistema de agua de la ciudad de East Moline

___ Historia del plomo en el agua potable y legislación

___ ¿Cómo llega el plomo al agua potable?

___ Peligros para la salud del plomo en el agua potable y reducción de su riesgo

___ Reemplazo de la línea de servicio de plomo

___ Un empleado de la ciudad me proporcionó ___ 1 ___ (cantidad) Jarra(s) de filtración de agua Brita está certificada para eliminar el 99 % del plomo y tendrá una duración de 120 galones de agua, o aproximadamente 6 meses SI se mantiene adecuadamente

___ Acepto seguir las instrucciones provistas con la jarra de filtración de agua Brita para garantizar que el plomo se elimine de manera segura de mi agua potable

___ Acepto permitir que el personal de la ciudad recopile una muestra de agua de seguimiento alrededor de 3 meses después de la fecha de reemplazo de mi línea de servicio de plomo

Firma del residente

Nombre del residente (impreso)

Firma del empleado que entrega la jarra

Fecha/hora en que se entregó la jarra:

FLUSH HOUSEHOLD PLUMBING

Remove aerators from all sink faucets, laundry tubs, utility sinks, etc.

Turn on all faucets, beginning with the lowest level of your house, and run the COLD water for at least 30 minutes prior to using the water for drinking or cooking. After 30 minutes, turn faucets off in reverse order, starting with the highest level of your house. Repeat this flushing every two weeks for 3 months after your lead service line is replaced.

Clean aerators before placing them back on faucets by soaking them in vinegar for 5 minutes, or if they are too worn, replace them with new ones.

For 30 days following LSLR, if water has not been used for at least 6 hours, flush the COLD water faucets for 3-5 minutes.



HAVE YOUR WATER TESTED

Approximately three to six months after your LSL is replaced, your water must be tested for lead. This may vary according to current law. The City of East Moline Water Filtration Plant will work with you to complete testing.

USE A WATER FILTER

A water filter specifically certified to remove lead should be used for at least six months after LSLR.

Filters should be National Sanitation Foundation (NSF) Standard 53 certified.

A list of NSF 53 certified filters can be found at the NSF website: www.nsf.org.

If the City replaced your LSL, the City will provide you with a water filter certified to remove lead.



FONTANERÍA DOMÉSTICA AL RAS

Retire los aireadores de todos los grifos del fregadero, tinas de lavado, fregaderos de servicios públicos, etc.

Abra todos los grifos, comenzando con el nivel más bajo de su casa, y deje correr el agua FRÍA durante al menos 30 minutos antes de usar el agua para beber o cocinar. Después de 30 minutos, cierre los grifos en orden inverso, comenzando por el nivel más alto de su casa. Repita este lavado cada dos semanas durante 3 meses después de reemplazar su línea de servicio de plomo.

Limpie los aireadores antes de volver a colocarlos en los grifos sumergiéndolos en vinagre durante 5 minutos, o si están demasiado desgastados, reemplácelos por otros nuevos.

Durante los 30 días posteriores a la LSLR, si no se ha utilizado agua durante al menos 6 horas, deje correr el agua FRÍA durante 3 a 5 minutos.



HAGA PRUEBA SU AGUA

Aproximadamente de tres a seis meses después de que se reemplace su LSL, su agua debe ser analizada para detectar plomo. Esto puede variar según la ley vigente. La planta de filtración de agua de la ciudad de East Moline trabajará con usted para completar las pruebas.



USAR UNA FILTRO DE AGUA

Se debe usar un filtro de agua específicamente certificado para eliminar el plomo durante al menos seis meses después de la LSLR.

Los filtros deben estar certificados por la Norma 53 de la Fundación Nacional de Saneamiento (NSF).

Puede encontrar una lista de filtros certificados por NSF 53 en el sitio web de NSF: www.nsf.org.

Si la Ciudad reemplazó su LSL, la Ciudad le proporcionará un filtro de agua certificado para eliminar el plomo.



Water Filtration Plant
915 16th Ave
East Moline, IL 61244



APPENDIX I

Phone: 309.752.1520
Fax: 309.752.1500
www.eastmoline.com

Dear Citizen,

As a public water supplier, part of our job is to make sure that the water we supply is safe for consumption and use. Earlier this year, the City replaced the water main on your street and discovered that your service line material was lead. Lead is known to be hazardous to human health, so the City replaced your lead service line free of charge to you. The information provided at the time of the replacement explained that your water could contain a higher level of lead for 3-6 months after the lead service line is replaced, and for that reason, we provided you with a Brita water filter that is certified to remove lead. Along with the paperwork we provided, explaining the health hazards of lead and how to reduce your exposure to lead, we let you know that we will need to test the water for lead within 6 months of the lead service line replacement.

It is very important to have your participation in this lead testing. The information gathered from these lead service line replacements will help ensure that future planning of lead service line replacements goes as smoothly as possible and people's exposure to lead after replacement is as minimal as possible.

Sampling is very easy. You simply do not use the water in your home for 6-18 hours (for example, overnight as you sleep or during the day while you are at work and kids are at school) and then fill the sample bottle that we provide to you completely full. **It is critical that the water not be used at all for at least 6 hours but not more than 18 hours AND that the sample bottle be filled completely.** If you have a water softener, the water softener will need to be bypassed for sample collection.

During the week of September 3rd, 2023, I will place a lead and copper collection packet on the steps of your front door of your residence. This packet will include a collection bottle(s), instructions, and a collection form. **Please collect a sample by September 11th, 2023.** Once you have collected the sample, please place the sample form back into the Ziplock bag and seal the bag to protect the form from getting wet or soiled (folding the form is ok). Then place the full water bottle(s) and the sample form on your front porch or outside your business and call us at 309.752.1520 for us to pick up the sample. **Samples must be picked up by city staff within 72 hours of collection or the sample will have to be recollected. City staff are available for sample pick-up Monday – Friday 8:00 am- 3:00 pm.**

Sincerely,

A handwritten signature in cursive script that reads 'Sandra Reich'.

Sandra Reich
Water Quality Coordinator

Water Filtration Plant
915 16th Avenue
East Moline, IL 61244



APPENDIX I

Phone: 309.752.1520

Fax: 309.752.1500

www.eastmoline.com

Querido ciudadano


Como proveedor público de agua, parte de nuestro trabajo es asegurarnos de que el agua que suministramos sea segura para el consumo y el uso. A principios de este año, la Ciudad reemplazó la tubería principal de agua en su calle y descubrió que el material de su línea de servicio era plomo. Se sabe que el plomo es peligroso para la salud humana, por lo que la Ciudad reemplazó su línea de servicio de plomo sin costo alguno para usted. La información proporcionada en el momento del reemplazo explicaba que su agua podría contener un nivel más alto de plomo durante 3 a 6 meses después de reemplazar la línea de servicio de plomo y, por esa razón, le proporcionamos un filtro de agua Brita que está certificado para eliminar el plomo. Junto con la documentación que le proporcionamos, que explica los riesgos para la salud del plomo y cómo reducir su exposición al plomo, le informamos que necesitaremos analizar el agua para detectar plomo dentro de los 6 meses posteriores al reemplazo de la línea de servicio de plomo.

Es muy importante contar con su participación en esta prueba de plomo. La información recopilada de estos reemplazos de líneas de servicio de plomo ayudará a garantizar que la planificación futura de los reemplazos de líneas de servicio de plomo se realice de la manera más fluida posible y que la exposición de las personas al plomo después del reemplazo sea lo más mínima posible.

El muestreo es muy fácil. Simplemente no utiliza el agua de su casa durante 6 a 18 horas (por ejemplo, durante la noche mientras duerme o durante el día mientras está en el trabajo y los niños están en la escuela) y luego llena completamente la botella de muestra que le proporcionamos. Llénala. Es fundamental que el agua no se utilice en absoluto durante al menos 6 horas pero no más de 18 horas Y que la botella de muestra esté completamente llena. Si tiene un ablandador de agua, será necesario pasar por alto el ablandador de agua para la recolección de muestras.

Durante la semana del 3 de septiembre de 2023, colocará un paquete de recolección de plomo y cobre en los escalones de la puerta de entrada de su residencia. Este paquete incluirá una botella de recolección, instrucciones y un formulario de recolección. Recoja una muestra antes del 11 de septiembre de 2023. Una vez que haya recolectado la muestra, vuelva a colocar el formulario de muestra en la bolsa Ziplock y selle la bolsa para evitar que el formulario se moje o ensucie (doblar el formulario está bien). Luego, coloque las botellas de agua llenas y el formulario de muestra en el porche de su casa o afuera de su negocio y llámenos al 309.752.1520 para que recojamos la muestra. Las muestras deben ser recogidas por el personal de la ciudad dentro de las 72 horas posteriores a la recolección o la muestra deberá ser recolectada nuevamente. El personal de la ciudad está disponible para recoger muestras de lunes a viernes de 8:00 a. m. a 3:00 p. m.

Sincerely,



Sandra Reich
Water Quality Coordinator

LEAD SERVICE LINE REPLACEMENT

Note: LSL = lead service line, LSLR = lead service line replacement

TO REPLACE A LSL CALL A LICENSED PLUMBER

If you discover that you have a LSL and would like to replace it, first notify the City of East Moline Maintenance Services department at 309-752-1573. There are actions the City must take when LSLs are replaced. You may then call a licensed plumber. To find out if the plumber you have selected is licensed, call the City of East Moline Inspections department at 309-752-1512.

COST & PAYING FOR LSLR



The cost of LSLR varies and is based on factors such as type of material, length, depth and diameter of service line, soil characteristics, obstacles to replacement, etc. Per City Ordinance, service lines are wholly owned by the home or building owner. Therefore, the home or building owner is responsible for paying for the LSLR. The City is exploring grant opportunities that may assist homeowners and will update this section if and when more information becomes available.

WHAT TO EXPECT DURING LSLR

There are a few ways LSLs can be replaced, some are more invasive than others. You can expect heavy machinery to be used, holes to be dug in your yard and/or boulevard, and your water to be off until the replacement is complete. The technique used for LSLR will affect the time your water is off, speed of replacement, disruption to traffic and environmental nuisance.



LEAD SERVICE LINE REPLACEMENT

METHODS FOR REPLACING LSLs

OPEN TRENCH

Requires digging a trench to break the surface materials and soil along the entire length of the pipe.

- type of material, soil affect plausibility and pricing
- pipe condition does not matter
- high customer impact such as traffic and noise
- reliable, but slow and costly



EXISTING ROUTE



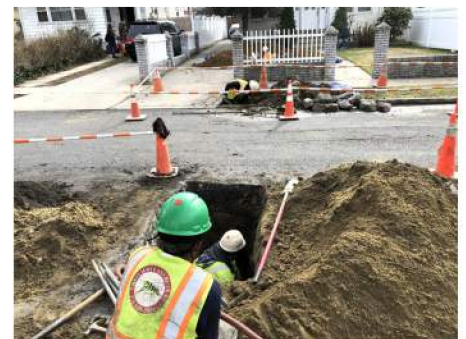
Using machines and access pits, the old lead pipe is replaced while simultaneously placing a new pipe.

- soil type may prevent using this method
- pipe condition does matter
- moderate customer impacts
- less disruptive and more common, but more risky

NEW ROUTE

Old lead pipe is left in the ground and new lead pipe is installed along a new route using a trenchless method.

- soil type & utilities may prevent using this method
- pipe condition does not matter
- moderate customer impacts
- less disruptive, but less commonly used



LEAD SERVICE LINE REPLACEMENT

AFTER YOUR LSL IS REPLACED

FLUSH HOUSEHOLD PLUMBING

Remove aerators from all sink faucets, laundry tubs, utility sinks, etc.

Turn on all faucets, beginning with the lowest level of your house, and run the COLD water for at least 30 minutes prior to using the water for drinking or cooking. After 30 minutes, turn faucets off in reverse order, starting with the highest level of your house. Repeat this flushing every two weeks for 3 months after your lead service line is replaced.

Clean aerators before placing them back on faucets by soaking them in vinegar for 5 minutes, or if they are too worn, replace them with new ones.

For 30 days following LSLR, if water has not been used for at least 6 hours, flush the COLD water faucets for 3-5 minutes.



HAVE YOUR WATER TESTED

Approximately three to six months after your LSL is replaced, your water must be tested for lead. This may vary according to current law. The City of East Moline Water Filtration Plant will work with you to complete testing.

USE A WATER FILTER

A water filter specifically certified to remove lead should be used for at least six months after LSLR.

Filters should be National Sanitation Foundation (NSF) Standard 53 certified.

A list of NSF 53 certified filters can be found at the NSF website: www.nsf.org.

If the City replaced your LSL, the City will provide you with a water filter certified to remove lead.



REEMPLAZO DE LA LÍNEA DE SERVICIO DE PLOMO

Nota: LSL = línea de servicio principal, LSLR = reemplazo de la línea de servicio principal

PARA REEMPLAZAR UN LSL LLAME A UN PLOMERO CON LICENCIA

Si descubre que tiene un LSL y desea reemplazarlo, primero notifique al Departamento de Servicios de Mantenimiento de la Ciudad de East Moline al 309-752-1573. Hay acciones que la Ciudad debe tomar cuando se reemplazan las LSL. Luego puede llamar a un plomero autorizado. Para averiguar si el plomero que ha seleccionado tiene licencia, llame al departamento de Inspecciones de la Ciudad de East Moline al 309-752-1512.

COSTO Y PAGO DE LSLR



El costo de LSLR varía y se basa en factores como el tipo de material, la longitud, la profundidad y el diámetro de la línea de servicio, las características del suelo, los obstáculos para el reemplazo, etc. Según la ordenanza de la ciudad, las líneas de servicio son propiedad exclusiva del propietario de la casa o del edificio. Por lo tanto, el propietario de la vivienda o del edificio es responsable de pagar la LSLR. La Ciudad está explorando oportunidades de subvenciones que pueden ayudar a los propietarios de viviendas y actualizará esta sección cuando haya más información disponible.

QUÉ ESPERAR DURANTE LSLR

Hay algunas formas en que se pueden reemplazar los LSL, algunos son más invasivos que otros. Puede esperar que se use maquinaria pesada, que se cavén hoyos en su jardín y/o bulevar, y que se corte el suministro de agua hasta que se complete el reemplazo. La técnica utilizada para LSLR afectará el tiempo de corte del agua, la velocidad de reemplazo, la interrupción del tráfico y las molestias ambientales.



REEMPLAZO DE LA LÍNEA DE SERVICIO DE PLOMO

MÉTODOS PARA REEMPLAZAR LSL

ZANJA ABIERTA

Requiere cavar una zanja para romper los materiales de la superficie y el suelo a lo largo de toda la tubería.

- tipo de material, el suelo afecta la plausibilidad y el precio
- el estado de la tubería no importa
- alto impacto en el cliente, como el tráfico y el ruido
- confiable, pero lento y costoso



RUTA EXISTENTE

Mediante máquinas y pozos de acceso, se reemplaza la tubería de plomo vieja y, al mismo tiempo, se coloca una tubería nueva.

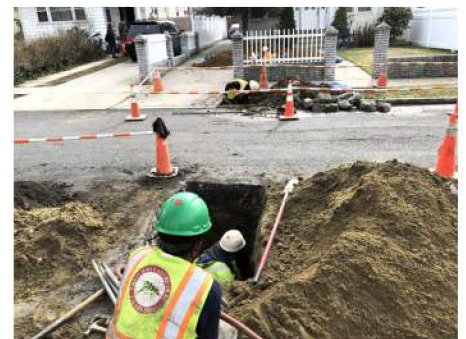
- el tipo de suelo puede impedir el uso de este método
- el estado de la tubería si importa
- impactos moderados en los clientes
- Menos disruptivo y más común, pero más arriesgado.



NUEVA RUTA

La tubería de plomo vieja se deja en el suelo y la tubería de plomo nueva se instala a lo largo de una nueva ruta utilizando un método sin zanjas.

- el tipo de suelo y las utilidades pueden impedir el uso de este método
- el estado de la tubería no importa
- impactos moderados en los clientes
- menos perjudicial, pero menos utilizado



REEMPLAZO DE LA LÍNEA DE SERVICIO DE PLOMO

DESPUÉS DE REEMPLAZAR SU LSL

FONTANERÍA DOMÉSTICA AL RAS

Retire los aireadores de todos los grifos del fregadero, tinas de lavado, fregaderos de servicios públicos, etc.

Abra todos los grifos, comenzando con el nivel más bajo de su casa, y deje correr el agua FRÍA durante al menos 30 minutos antes de usar el agua para beber o cocinar. Después de 30 minutos, cierre los grifos en orden inverso, comenzando por el nivel más alto de su casa. Repita este lavado cada dos semanas durante 3 meses después de reemplazar su línea de servicio de plomo.

Limpie los aireadores antes de volver a colocarlos en los grifos sumergiéndolos en vinagre durante 5 minutos, o si están demasiado desgastados, reemplácelos por otros nuevos.

Durante los 30 días posteriores a la LSLR, si no se ha utilizado agua durante al menos 6 horas, deje correr el agua FRÍA durante 3 a 5 minutos.



HAGA PRUEBA SU AGUA

Aproximadamente de tres a seis meses después de que se reemplace su LSL, su agua debe ser analizada para detectar plomo. Esto puede variar según la ley vigente. La planta de filtración de agua de la ciudad de East Moline trabajará con usted para completar las pruebas.

USAR UNA FILTRO DE AGUA

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Si la Ciudad reemplazó su LSL, la Ciudad le proporcionará un filtro de agua certificado para eliminar el plomo.

