



Good Life. Great Resources.

DEPT. OF WATER, ENERGY, AND ENVIRONMENT

LEAD SERVICE LINE REPLACEMENT PLAN TEMPLATE

Provided by the Nebraska Department of
Water, Energy, and Environment

April 9, 2026

LEAD SERVICE LINE REPLACEMENT PLAN FOR PUBLIC WATER SYSTEMS

Public Water System Name: _____

PWS ID: _____

☐ First LSLR Plan ☐ Updated LSLR Plan ☐ Certification Only (w/ Attachments 1 and 2)

Date Submitted: _____

Plans Due: November 1, 2027 | January 30, 2029 | January 30, 2030 | January 30, 2031 | January 30, 2032

PUBLIC ACCESSIBILITY

The most recent Lead Service Line Replacement Plan is made publicly available at:

☐ Public website (not required to submit copy of plan to Department)

Provide URL: _____

☐ Customer request

☐ Copies of LSLR Plan viewable at: _____ (provide physical address)

☐ Copies of LSLR Plan sent out to requestors via:

☐ Physical mail

☐ E-mail

☐ Other, describe: _____

PLAN CERTIFICATION

The parties signing below have verified and certified that the information in the Lead Service Line Replacement Plan is true and accurate to the best of their knowledge for the public water system indicated above, and meets all content, notification, and mitigation requirements outlined in 40 CFR §141.84(c) – Service Line Replacement Plan.

Plan Preparer Signature

Mayor/Owner or Official Representative Signature

Plan Preparer Name

Mayor/Owner or Official Representative Name

Plan Preparer Title

Mayor/Owner or Official Representative Title

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PURPOSE AND SCOPE

In accordance with the US EPA's Lead and Copper Rule Improvements (LCRI), all community and non-transient, non-community public water systems (systems) with one or more **lead**, galvanized requiring replacement (**GRR**), or lead-status unknown (**unknown**) service line(s) in their distribution system are subject to mandatory lead service line replacement (LSLR).

By **November 1, 2027**, systems must submit an LSLR Plan that describes how the system intends to comply with the LCRI's inventory and replacement requirements.

This document is intended for use in compliance with 40 CFR §141.84(c) – *Service line replacement plan* and may be edited to fit a system's needs.

SYSTEM CONTACT INFORMATION

Identify a primary contact responsible for compliance and updates.

Contact Person:	Title:
Phone:	E-mail:

RESPONSIBLE PARTIES

List names and titles of responsible parties for the following:

Maintenance of the Lead Service Line Inventory:
Creation and Maintenance of the Lead Service Line Replacement Plan:
Maintaining Publicly Accessible Documents / Updating Webpages:
Submitting Reports to State:

DEMOGRAPHIC INFORMATION

Type of public water system: ☐ Community ☐ Non-Transient Non-Community	
Population Served:	Total Number Service Connections:
Number Single Residence Service Connections:	Number Multi-Unit Residence Service Connections:
Number Private Business Service Connections:	Number Public Building Service Connections:

INVENTORY AND SERVICE LINE REPLACEMENT

SERVICE LINE ACCESS AND INVENTORY SUMMARY

This section is intended for use to comply with the LSLR Plan requirement in 40 CFR §141.84(c)(1)(viii) for citing access laws, and the Inventory Maintenance requirement in 40 CFR §141.84(b)(2)(iv).

Service Line Ownership and Access	
Where does the system's responsibility for the service line end?	
☐ Main or corporation stop (entirely privately-owned)	☐ Curb stop / meter pit / property line (split ownership)
☐ Building inlet (entirely system-owned)	
Please identify the ordinance, municipal code, or other documentation describing service line ownership in the system:	
Ordinance / Code Citation: _____	
OR	
☐ Attach a copy	
Is system required to obtain customer consent to gain access to service lines to conduct full replacement?	
☐ Yes ☐ No	
Identify any laws, regulations, and/or water tariff agreements that affect the system's ability to gain access to conduct full lead and galvanized requiring replacement service line replacement.	
Title / Section / Subjection: _____	
OR	
☐ Attach a copy	
Corrosion Control and Service Line Inventory	
Does the system currently utilize Optimized Corrosion Control Treatment (OCCT)?	
☐ Yes ☐ No	
If Yes, please select the treatment technology utilized by the system:	
☐ Orthophosphate corrosion inhibitor	
☐ Blended phosphate corrosion inhibitor	
☐ Silicate-based corrosion inhibitor	
☐ Alkalinity or pH adjustment	
☐ Calcium hardness adjustment	
☐ Other, describe: _____	
Date Last Service Line Inventory Submitted: _____	
Number of Lead Connectors: _____	Number of Unknown Connectors: _____

DEFERRED REPLACEMENT DEADLINE AND ASSOCIATED REPLACEMENT RATE

This section is intended for use in calculating a system's eligibility for a deferred mandatory lead service line replacement deadline according to 40 CFR §141.84(d)(5)(vi) and reporting under 40 CFR §141.84(c)(x). To calculate if the system is eligible for a **Deferred Replacement Deadline** do the **following**.

First, calculate the **LCRI's Maximum Number of Annual Replacements Required** for the system. Multiply the system's **Total Number Service Connections** by the LCRI's deferral threshold of 0.039. Round answer to nearest whole number.

$$\times \quad 0.039 \quad =$$

Total Number of Service
Connections

LCRI's Deferral Threshold

LCRI's Maximum Number Annual
Replacements Required

The LCRI sets a limit on the number of replacements required annually to 39 replacements for every 1000 service connections in a system, for a **Deferral Threshold** of 0.039.

Second, calculate the **Number of Known Replacements Needed** by adding total number of lead and GRR service lines from the service line inventory.

$$+$$

Number of **Known Lead** Service
Lines

Number of **Known GRR** Service
Lines

Number of **Known Replacements
Needed**

Third, calculate the **Number of Years Needed to Complete Replacement** as follows.

$$\div$$

Number of **Known Replacements
Needed**

LCRI's Maximum Number of
Annual Replacements (rounded)

Number of Years Needed for
Replacement

Systems are eligible for deferred mandatory replacement deadlines if the **Number of Years Needed for Replacement** is **greater than 10**.

Is the System eligible for a **Deferred Replacement Deadline**?

☐ Yes ☐ No

If initially eligible, systems
will receive a letter from the
Department.

If yes, please calculate the System's **Minimum Cumulative Average Replacement Rate** below.

$$100 \div$$

Number of Years Needed for
Replacement

Cumulative Average Replacement
Rate

REPLACEMENT POOL AND ANNUAL REPLACEMENTS REQUIRED

For the purposes of complying with mandatory service line replacement, systems should create a **Replacement Pool** in accordance with 40 CFR §141.84(d)(6) and keep it up to date.

Replacement Pool: A separate list of every service address with lead, GRR, and lead-status unknown service lines. This includes service lines that are inaccessible / not under the system's control.

Total Number of Service Lines in Replacement Pool: (Number of Lead + Number of GRR+ Number of Unknown in Inventory)	
---	--

The **Replacement Pool** should be kept up to date via the following method:

1. Service lines are not removed from the **Replacement Pool** when they are replaced.
2. Service lines are only added or removed from the **Replacement Pool** due to service line **material reclassification**, as follows:

Previous Classification	Updated Classification	Effect on Replacement Pool
Unknown	Non-Lead	Remove from Pool
Lead or GRR	Non-Lead	Remove from Pool
Unknown	Lead or GRR	No change to Pool (reclassify to correct materials designation)
Non-Lead	Lead or GRR	Add to pool

All water systems must replace all lead and GRR service lines under control of the water system unless the replacement would leave in place a partial lead service line.

All systems are automatically subject to the default mandatory service line replacement deadline, unless the system is eligible for a **Deferred Replacement Deadline**, or receives notification that the Department has established a shortened replacement deadline.

Default Service Line Replacement Requirements:

Deadline for Completing Replacements:	December 31, 2037
Minimum Cumulative Average Replacement Rate:	0.10 (replace 10% of service lines in Replacement Pool annually)

To calculate the **Annual Number of Replacements Required** to meet the **default** requirements:

$$\frac{\text{Total Number in Replacement Pool}}{\text{Number of Years Left until Deadline}} = \text{Annual Number of Replacements Required}$$

COMPLIANCE WITH MANDATORY LEAD SERVICE LINE REPLACEMENT

Systems must begin an LSLR program by **November 1, 2027**. Compliance with LSLR requirements is achieved by evaluating the system's **Cumulative Average Annual Replacement Rate** (Replacement Rate).

Systems must report replacements no later than January 30, 2029, and continue to submit replacement program updates annually thereafter. The Department will use your system's first three annual reports to determine **compliance** with the required **Replacement Rate** upon submittal of your Program Year 3 report due **January 30, 2031**.

Information required with January 30, 2029 , submittal			
During Program Year 1: November 1, 2027 – December 31, 2028			
Total Number in Replacement Pool at end of Program Year:	Required Replacement Rate : [0.010]		
Number of Partial Lead Service Line Replacements:	Number of Partial GRR Service Line Replacements:		
Number of Full Lead Service Line Replacements:	Total Number of Full Replacements in Year 1:		
Number of Full GRR Service Line Replacements:			
Cumulative % of Service Lines Replaced: _____%	$\frac{\text{Total Number of Full Replacements to Date}}{\text{Total Count of Replacement Pool}} \times 100$		
Cumulative Average Replacement Rate: Compliance not assessed	$\frac{\text{Cumulative \% of Service Lines Replaced}}{\text{Number of Completed Program Years (1)}}$		
Information required with January 30, 2030 , submittal			
During Program Year 2: January 1, 2029 – December 31, 2029			
Total Count of Replacement Pool at end of Program Year:	Required Replacement Rate : [0.010]		
Number of Partial Lead Service Line Replacements:	Number of Partial GRR Service Line Replacements:		
Number of Full Lead Service Line Replacements:	Total Number of Full Replacements in Year 2:		
Number of Full GRR Service Line Replacements:			
Total Number of Full Replacements in Year 1:	Total Number of Full Replacements to Date :		
Total Number of Full Replacements in Year 2:	(Number of Full Replacements in Year 1 + Year 2)		
Cumulative % of Service Lines Replaced: _____%	$\frac{\text{Total Number of Full Replacements to Date}}{\text{Total Count of Replacement Pool}} \times 100$		

Cumulative Average Replacement Rate: Compliance not assessed	$\frac{\text{Cumulative \% of Service Lines Replaced}}{\text{Number Completed Program Years (2)}}$
Information required with January 30, 2031 , submittal	
During Program Year 3: January 1, 2030 – December 31, 2030	
Total Count of Replacement Pool at end of Program Year:	Required Replacement Rate: [0.010]
Number of Partial Lead Service Line Replacements:	Number of Partial GRR Service Line Replacements:
Number of Full Lead Service Line Replacements:	Total Number of Full Replacements in Year 3:
Number of Full GRR Service Line Replacements:	
Total Number of Full Replacements in Year 1:	Total Number of Full Replacements to Date: <u> </u> (Number of Full Replacements Year 1 + 2 + 3)
Total Number of Full Replacements in Year 2:	
Total Number of Full Replacements in Year 3:	
Cumulative % of Service Lines Replaced: _____%	$\frac{\text{Total Number of Full Replacements to Date}}{\text{Total Count of Replacement Pool}} \times 100$
Cumulative Average Replacement Rate: Must meet Required Replacement Rate	$\frac{\text{Cumulative \% of Service Lines Replaced}}{\text{Number Completed Program Years (3)}}$

Service line replacement reporting for Program Years 2 – 10 is continued in **Attachment 1**.

STRATEGY FOR IDENTIFYING LEAD STATUS UNKNOWN SERVICE LINES

This section is intended for use in complying with the LSLR Plan requirement in 40 CFR §141.84(c)(1)(i), creation of a strategy for identifying all lead-status unknown service lines. Systems must identify the material of all lead status unknown service lines by the mandatory replacement deadline applicable to that system.

Deadline for 100% Lead/GRR Replacement: **December 31, 2037***

Deadline for 100% Unknown Identification: **December 31, 2037***

*Unless System qualifies for a deferred replacement deadline or becomes subject to a shortened deadline.

ASSESSMENT AND GOAL FOR IDENTIFYING UNKNOWN SERVICE LINES

Number of Unknown Services in Baseline Inventory:	
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Systems should identify unknown service lines on a schedule that would allow them to replace all Lead / GRR service lines prior to the replacement deadline if found during investigations.

Number Unknown Identifications Annual Goal:	
Target Completion Date for Identifying Unknowns: (Recommended: At least 1 year before Replacement Deadline)	

Tracking the number of unknowns the System has identified every LCRI Program Year will assist the System in ensuring compliance. Unknown identification reporting is continued for Program Years 1- 10 in [Attachment 2](#).

Program Years and Dates		Number Unknowns Identified	Number Unknowns Remaining
1	Nov 1, 2027 – Dec 31, 2028		
2	Jan 1, 2029 – Dec 31, 2029		
3	Jan 1, 2030 – Dec 31, 2030		

Unknown identification reporting is continued for Program Years 1- 10 in [Attachment 2](#).

STRATEGIES FOR IDENTIFYING UNKNOWN SERVICE LINES

Check all activities that apply to the system's strategy for determining the material composition of lead-status unknown service lines. Once the System has completed an activity, enter a completed date.

* Required

	Activity	Details or Notes	Completed Date
Municipal Records			
* ☐	Construction and plumbing codes / ordinances		
* ☐	Construction and plumbing permits		
☐	Other municipal documentation indicating service line and connector materials, or other materials used to connect structures to the distribution system.	If checked, specify:	
Utility / Public Water System Records			
* ☐	Water system records on service lines and connectors		
☐	Customer self-identification	☐ Photos ☐ Brochures	
☐	Service line installation records / Tap cards		
☐	Utility inspection and maintenance records	☐ Routine inspection ☐ Leak investigation ☐ Meter reading ☐ Maintenance activities	
* ☐	Distribution system maps and engineering drawings		
* ☐	Recent and historical records on each service connection and connector		
* ☐	Meter installation and replacement records		
* ☐	Historical capital improvement or master plans		

☐ *	Standard operating procedures and other documented policies		
☐	Customer service investigation and communication records		
Inspector Records			
☐ *	Records of distribution system inspections that indicate the material composition of service connections and connectors		
☐	Sanitary survey records		
☐	Utility contractor inspection records		
☐	Private plumber records		
Other Records			
☐	Tax records / county assessor records indicating construction dates		
☐	County assessor records		
☐	Individual building records on age and renovation history		
☐	Other records	If checked, specify:	
Visual Inspection			
☐ *	During planned maintenance		
☐ *	During unplanned maintenance		
☐ *	Within 30 days of customer request or notification of incorrect classification		
☐	Visual inspection at curb stop	☐ Photos ☐ Scratch test ☐ Magnet test	
☐	Visual inspection at meter pit		

☐	Visual inspection in basement		
☐	Mechanical excavation		
☐	Vacuum excavation		
Other Methods			
☐	Interviews with Previous Water System Staff, Plumbers, Contractors, etc.		
☐	Predictive modeling		
☐	Sequential / targeted lead sampling		
☐	Other	If checked, specify:	

DOCUMENTATING UNKNOWN INVESTIGATIONS

Systems should keep extensive documentation of service line materials investigations. Below is an example of a sufficiently detailed log for tracking unknowns.

Example Log: Documenting Unknown Investigations

Customer / Building ID	Service Address	Date Investigated	Public or Private Side?	Method Used	Final Classification	Notes	Date Inventory Updated	Date Replacement Pool Updated
100345	789 Maple Street	03/15/2028	Public	Visual (meter pit inspected)	Lead	Pipe visibly lead at curb stop connection	12/31/2029	12/31/2029
100678	321 Pine Avenue	04/01/2028	Private	Hydro-excavation	Non-Lead	Copper confirmed from main to house	12/31/2029	12/31/2029

STANDARD OPERATING PROCEDURE: FULL SERVICE LINE REPLACEMENTS

The following section is intended for compliance with 40 CFR §141.84(c)(1)(ii) which requires systems to create a standard operating procedure (SOP) with techniques for conducting **full service line replacements**. Pre- and post- replacement outreach is covered in the next section.

RESPONSIBLE PARTIES

Project Coordinator:
Public Outreach:
Utility Locates:
Engineering:
Funding:
Documenting and Reporting:
Edit the SOP template below for your system ☐ OR Attach copy of the system's SOP

LOCATING AND CONFIRMING MATERIAL OF SERVICE LINE

Please select which procedure(s) the system intends to utilize, add system-specific details as necessary.

1. Underground locates for other utilities:
 - ☐ Contact Nebraska811
 - ☐ Water system staff conduct utility locates
2. Confirming service line location: Service piping materials will be confirmed via field inspection at a minimum of 1 location on the system-owned portion, and 1 location on the privately-owned portion.
 - I. System-owned portion field confirmation location:
 - ☐ Main / corporation stop
 - ☐ Property line
 - ☐ Meter pit
 - ☐ Curb stop / service box
 - ☐ Other. Describe: _____
 - II. Privately-owned portion field confirmation location:
 - ☐ Interior home inspection of service line

- ☐ Meter pit
 - ☐ Curb stop / service box
 - ☐ Property line
 - ☐ Other. Describe: _____
3. Methods for confirming service line locations:
- ☐ Inspections not requiring excavation
 - ☐ Hand digging
 - ☐ Hydro-excavation
 - ☐ Full test-pit excavation
 - ☐ Other. Describe: _____
4. Methods for identifying service line materials in the field:
- ☐ Visual inspections
 - ☐ Magnet test
 - ☐ Scratch test
 - ☐ Other: Describe _____
5. Recordkeeping: For each service line the System will record:
- ☐ Date of inspection
 - ☐ Utility staff or contractor conducting inspections
- Records of service line locations will be via:
- ☐ Service line physical address
 - ☐ GPS coordinates of service line connections to:
 - ☐ water main ☐ water meter ☐ service line valve(s) ☐ building inlet
 - ☐ Map of service line location
- Records of service line materials will be via:
- ☐ Photos of service lines
 - ☐ Photos showing scratch test / magnet tests
 - ☐ Utility or contractor staff written documentation of method and materials determinations

REPLACEMENT TECHNIQUES

Please select which procedure(s) System intends to utilize, add system-specific details as necessary.

☐ **Open Trench Replacement:**

1. Assess site for excavation safety considerations to comply with OSHA trenching and shoring requirements. System will assess:
 - ☐ Soil compaction
 - ☐ Potential site hazards (trees/shrubs, traffic, weather, water table)
 - ☐ Determine depth of trench/excavation and OSHA required safety considerations including sloping, benching, trench boxes, etc.
2. Shut off water service at main
3. Expose entire service line by:

☐ Hand digging

☐ Vacuum excavation

☐ Mechanical excavation

☐ Other:

4. Disconnect service pipe from existing main and building.
5. Existing service pipes will:
 - ☐ Be removed.
Name of disposal facility: _____
 - ☐ Remain in place
Cite ordinance/code that prohibits lead/GRR reconnections: _____
6. New service line installation:
 - I. System will install service lines made of:
 - ☐ Type K copper ☐ HDPE ☐ PEX ☐ Other: _____
 - II. Service connection to main will be done with:
 - ☐ Corp stop ☐ Direct tap
 - III. Service line will have the following:
 - ☐ Curb stop valve ☐ Meter pit ☐ Service box ☐ Other: _____
 - IV. System evaluates need for:
 - ☐ Dielectric coupling between metals of different types ☐ Tracer wires
7. Restore trench with proper bedding, backfill, and compaction
8. Verify new line integrity and joints before replacing into service.

☐ **Trenchless Replacement (Pipe Pulling)**

1. Assess service line suitability by confirming:
 - ☐ Continuous pipe of known diameter and material
 - ☐ Limited bends ☐ Adequate clearance
2. Excavate minimal size pits to expose service line connection to main and building inlet
 - ☐ Hand digging ☐ Vacuum excavation ☐ Mechanical excavation ☐ Other: _____
 - If other, describe: _____
3. Shut off water service at main
4. Disconnect service piping from main and building
5. Pull existing service piping through excavated areas with steady force.
 - I. Stop immediately if there's excessive resistance or vibration, or the service line breaks.
6. Dispose of old service piping appropriately.
 - Name of Disposal Facility: _____
7. Install the new service line in the same bore.
 - I. System will install service lines made of:
 - ☐ Type K copper ☐ HDPE ☐ PEX ☐ Other: _____
 - II. Service connection to main will be done with:
 - ☐ Corp stop ☐ Direct tap
 - III. Service line will have the following:
 - ☐ Curb stop valve ☐ Meter pit ☐ Service box ☐ Other: _____
 - IV. System evaluates need for:
 - ☐ Dielectric coupling between metals of different types ☐ Tracer wires
8. Verify new line integrity and joints before replacing into service

☐ **Directional Boring**

1. Assess site for suitability for directional boring:
 - ☐ Adequate horizontal distance from main to building inlet

- ☐ Sufficient separate from other utilities / infrastructure
- ☐ Suitable soil conditions ☐ Other:
- 2. Design a bore path that:
 - ☐ Avoids sharp curves ☐ Maintains a consistent depth
 - ☐ Enters and exits ground at controlled angles to avoid surface heave
- 3. Excavate minimal size pits to expose service line connection to main and building inlet
 - ☐ Hand digging ☐ Vacuum excavation ☐ Mechanical excavation ☐ Other:
 - If other, describe: _____
- 4. Disconnect existing service piping from existing main and building inlet.
- 5. Existing service pipes will:
 - ☐ Be removed
 - Name of disposal facility: _____
 - ☐ Remain in place
 - Cite ordinance/code that prohibits lead/GRR reconnections: _____
- 6. Create a pilot bore, continuously tracking alignment and depth.
 - I. Stop if encountering unexpected resistance, deviations in alignment, signs of surface movements
- 7. Install the new service line in the same bore.
 - V. System will install service lines made of:
 - ☐ Type K copper ☐ HDPE ☐ PEX ☐ Other: _____
 - VI. Service connection to main will be done with:
 - ☐ Corp stop ☐ Direct tap
 - VII. Service line will have the following:
 - ☐ Curb stop valve ☐ Meter pit ☐ Service box ☐ Other: _____
 - VIII. System evaluates need for:
 - ☐ Dielectric coupling between metals of different types ☐ Tracer wires

REDUCING PHYSICAL DISTURBANCES TO SERVICE LINES

The system will conduct the following activities to reduce physical disturbances to potential lead/GRR service lines:

- ☐ Avoid partial replacements whenever possible.
- ☐ Flag or otherwise mark neighboring service lines that are lead, GRR, or unknown for awareness.
- ☐ Share inventory and locations of lead/GRR/unknown service lines with utility staff or contracting staff for awareness.
- ☐ Minimize trench width and excavation length.
- ☐ Minimize time service line remains exposed.
- ☐ Avoid excavation methods causing excessive vibration like jackhammering near active service lines.
- ☐ When pavement removal is necessary, utilizing cutting and removing in sections rather than breaking.
- ☐ Support exposed pipes to avoid bending or breaking.
- ☐ Avoid tracking heavy machinery and equipment over active service lines where possible.
- ☐ Other. Specify: _____

COMMUNICATION STRATEGY: INFORM CONSUMERS PRIOR TO SERVICE LINE REPLACEMENT

This section is intended to comply with the LSLR Plan requirements outlined in 40 CFR §141.84(c)(1)(iii) and (iv). Systems are required to create a communication strategy for informing affected customers/consumers prior to service line replacement and written flushing procedures after replacement of or disturbance to a service line potentially creating lead.

Notification and Lead Mitigation Requirements During Service Line Replacement						
Event	Pre-Notification	Post-Notification + Flushing Procedures	POU/Pitcher Filters + Instructions	Follow-Up Sampling	Customer Tap Results Notifications	Notes
Full-Service Line Replacement (Planned)	See Notes Column	Template 2+3 Delivered prior to replacing into service (no later than 30 days)	Delivered prior to replacing into service	1 st Liter Sampling Offered 3-6 Months After LSLR	Template 4 Within 3 Business Days	Where PWSs don't have legal access, a written agreement between PWS and homeowner must be in place prior to full LSLR (Template 5)
Partial Service Line Replacement (Planned)	Template 1 45 Days Prior	Template 2+3 Delivered prior to replacing into service	Delivered prior to replacing into service	1 st and 5 th Liter Sampling Offered 3-6 Months After LSLR	Template 4 Within 3 Business Days	If owner consent is needed for Full LSLR, PWS must document "reasonable effort" to obtain consent prior to beginning work
Emergency Partial Service Line Replacement	N / A	Template 2+3 Delivered prior to replacing into service	N / A	N / A	N / A	Within 45 days of emergency partial LSLR, PWS must offer to complete full LSLR

Pre-Notification

System must give written notice to property owners and non-owner occupants at least 45 days before service line replacement.

Post-Notification

Before returning the line to service, the system must notify consumers that lead levels may temporarily increase after replacement.

For multi-unit or non-residential buildings, notice may be posted in a visible location instead of individual delivery.

Flushing Procedures

System must deliver individual written flushing procedures before restoring service.

POU / Pitcher Filters

Before service restoration, system must provide an ANSI certified, lead-reducing filter, 6-months of cartridges, and use instructions.

If the line serves multiple units, each unit must receive a filter, cartridges, and instructions.

Follow-Up Sampling

System must offer a tap sample 3 – 6 months after full or partial LSL replacement.

Customer Results Notification

System must provide results within 3 business days of receiving them. Mailed notices must be postmarked within 3 days.

PRE-REPLACEMENT OUTREACH FOR PLANNED SERVICE LINE REPLACEMENTS

In accordance with 40 CFR §141.84(d), where a water system has access (e.g., legal and physical access) to a service line, that service line is considered under the control of the water system, and the system must replace the entire service line.

Where a system requires property owner consent to access the service line to conduct full replacement, the system must complete and document a **Reasonable Effort** (defined above) to obtain property owner consent.

Reasonable Effort: Requires at least 4 contact attempts using 2+ communication methods (e.g., in-person, phone, text, e-mail, mail, or door hanger).

REASONABLE EFFORT TO OBTAIN PROPERTY OWNER CONSENT

Does the System require property owner consent to obtain legal access to private property to conduct full service line replacements? (check one)	
☐ Yes ☐ No	
If Yes, a “reasonable effort” must be documented to obtain property owner consent prior to beginning planned service line replacement.	
How long before the planned replacement date will the first outreach attempt be made?	_____ days (~90 days in advance)
First outreach method: (check one)	☐ Certified mail ☐ Phone call (with voicemail) ☐ E-mail ☐ Door Hanger ☐ In-Person Visit

If needed, how long before replacement will a second outreach attempt be made?	_____ days (~60 days in advance)
Second outreach method:	☐ Certified mail ☐ Phone call (with voicemail) ☐ E-mail ☐ Door Hanger ☐ In-Person Visit
If needed, how long before replacement will a third outreach attempt be made?	_____ days (~45 days in advance)
Third outreach method:	☐ Certified mail ☐ Phone call (with voicemail) ☐ E-mail ☐ Door Hanger ☐ In-Person Visit
If needed, how long before replacement will a fourth outreach attempt be made?	_____ days (~30 days in advance)
Fourth outreach method:	☐ Certified mail ☐ Phone call (with voicemail) ☐ E-mail ☐ Door Hanger ☐ In-Person Visit
☐ Attach copies of any system outreach materials	Name of Attachment(s): _____
☐ Attach a copy of the system's customer agreement for service line replacements if needed	Name of Attachment(s): Template 5

DOCUMENTING REASONABLE EFFORTS

Systems should keep extensive documentation, below is an example of a sufficiently detailed log documenting reasonable efforts to achieve full access. **Systems must document at least 4 outreach attempts.**

Example Log: Documenting Reasonable Efforts

	Example Entry 1	Example Entry 2
Customer/Billing ID	100234	100567
Service Address	123 Elm Street	456 Oak Avenue
Building Type	Single-family	Duplex
Attempt 1 Date	01/15/2028	01/10/2028
Attempt 1 Method	Phone Call	Email
Result Attempt 1	Left voicemail	Opened, no reply

Notes Attempt 1	Requested customer return call regarding their galvanized service line	Included system contact info and explanation of replacement project
Date Attempt 2	02/01/2024	01/25/2024
Method Attempt 2	Certified Mail	Phone Call
Result Attempt 2	No response	Spoke to tenant
Notes Attempt 2	Letter explained need for access to replace lead service line	Tenant requested info mailed to landlord

PRE-REPLACEMENT OUTREACH FOR PLANNED PARTIAL SERVICE LINE REPLACEMENT

Planned partial service line replacements are only allowed when the system has planned infrastructure projects (unrelated to LCRI requirements) that will impact a portion of a service line (e.g., water main replacements), **and the System has failed to obtain owner consent to conduct full replacement** after a reasonable effort.

Pre-Notification to Property Owners and Non-Owner Occupants	
Pre-notifications completed by:	~45 days prior to starting project
How does the system plan to deliver written notice to owners and non-owner occupants of a planned partial service line replacement?	☐ Certified mail ☐ E-mail ☐ Door Hanger ☐ In-Person Delivery
☒ Attach a copy of the system's outreach materials for planned partial service line replacement	Name of Attachment(s): Template 1

POST-REPLACEMENT NOTIFICATION AND MITIGATION AFTER FULL OR PARTIAL REPLACEMENT

Systems must complete post-replacement notification and mitigation to customers and consumers prior to replacing the line into service, but no later than 30 days after the replacement.

Written Post-Notification to Consumers:	
How does the system plan to deliver written notice to consumers prior to replacing the line into service?	☐ Certified mail ☐ E-mail ☐ Door Hanger ☐ In-Person Delivery
In instances where a service line is replaced at multi-family dwellings or where multiple non-residential occupants are served, how will the system deliver written notice to consumers?	☐ Individual delivery to all persons served in residential and non-residential units ☐ Post the notice at a conspicuous location

☒ Attach a template of the written notification meeting content requirements of CFR 141.85(a)(1)(ii-iv)		Name of Attachment(s): Template 2
Written Flushing Instructions For Consumers:		
How does the system plan to deliver written flushing procedures each consumer prior to replacing the line into service?	☐ Certified mail ☐ E-mail ☐ Door Hanger ☐ In-Person Delivery	
☒ Attach a template of the written flushing procedures the system intends to deliver to consumers		Name of Attachment(s): Template 3
Pitcher Filter or Point-of-Use Device Delivery		
How does the system plan to deliver filters to consumers following service line replacement?	☐ Certified mail ☐ Direct consumers to pick up location ☐ In-Person delivery	
Please describe specifications for the ANSI-certified filter and replacement cartridges the system intends to deliver consumers following service line replacement:		
OR Attach a Copy		
☐ Please attach the instructions for filter use that will be delivered to consumers		Name of Attachment(s): _____
Follow-Up Tap Sampling		
When will the system offer follow up tap sampling after a full lead or GRR service line replacement? (suggested to be within 3-6 months)	_____	
How will the water system inform consumers about availability of tap sampling?	☐ Certified mail ☐ E-mail ☐ Door Hanger ☐ In-Person Visit	
How will the water system conduct follow-up tap sampling?	☐ Operator collects sample ☐ Consumer collects sample	
How will the system deliver results notifications to consumers within 3 days of receiving results?	☐ Certified mail (postmarked within 3 business days) ☐ E-mail ☐ Door Hanger ☐ In-Person Delivery	
☒ Attach a template of results notifications the system intends to deliver to consumers:		Name of Attachment(s): Template 4

EMERGENCY PARTIAL SERVICE LINE REPLACEMENTS

Systems that conduct an emergency partial service line replacement have an additional mitigation requirement to offer full service line replacement within 45 days of completing the emergency project in accordance with 40 CFR §141.84(h)(2).

Emergency Partial Replacement Follow Up	
Pre-notifications completed by (~45 days prior to start date):	
How does the system plan to deliver written notice to owners and non-owner occupants of a planned partial service line replacement?	☐ Certified mail ☐ E-mail ☐ Door Hanger ☐ In-Person Delivery
☒ Attach a copy of the system's outreach materials for planned partial service line replacement	Name of Attachment(s): Template 1

NOTIFICATION AND MITIGATION AFTER DISTURBANCE OF LEAD/GRR/UNKNOWN

The table below summarizes the notification and mitigation requirements after a lead/GRR/unknown service line is disturbed in accordance with 40 CFR §141.85(f).

Notification and Mitigation After Disturbance of a Service Line or a Group of Service Lines That Are Lead, GRR, or Unknown*				
Event	Post-Notification + Flushing Procedures	POU / Filter Pitchers	Notification to Property Owners	Examples of "Disturbances"
Disturbance That Results in a Shut Off or Bypass	Templates 2 + 3 Within 24 Hours of the Disturbance	N / A	Templates 2 + 3 Within 30 Days of the Disturbance	Operating a valve on a service line, reconnecting a service line to a main
Disturbance That Does Not Result in a Shut Off or Bypass	Templates 2 + 3 Prior to Replacing into Service	N / A	Templates 2 + 3 Within 30 Days of the Disturbance	Hydro-excavation to determine material. Any actions that could cause vibration, or where there's physical action on the service line that could result in pipe scale dislodging
Disturbance Directly to a Service Line	Templates 2 + 3 Prior to Replacing into Service	Prior to Replacing into Service	Templates 2 + 3 Within 30 Days of the Disturbance	Includes replacement of an inline water meter, water meter setter, or connector. Also includes replacement of a water main where the service line is physically cut

Notification to Property Owners

Applies if persons served at the service connection(s) are different than the owners of the property served by the service connection(s).

SERVICE LINE REPLACEMENT PRIORITIZATION

This section is intended to comply with 40 CFR §141.84(c)(1)(v) which requires systems to outline a service line replacement prioritization strategy based on factors such as known lead or GRR service lines, and community-specific factors, such as populations disproportionately impacted by lead and populations most sensitive to the effects of lead.

For the System, please respond to the following system-specific questions. For any responses checked "Yes" record a priority ranking for targeted replacement. (i.e., If there are 3 "Yes" checked, rank replacement priorities from 1 to 3).		Priority for Service Line Replacement:
Are there known lead/GRR service lines in low-income areas?	☐ Yes ☐ No	
Are there known lead/GRR service lines in areas serving minority or indigenous neighborhoods?	☐ Yes ☐ No	
Are there known lead/GRR service lines at households with infants or children under 6?	☐ Yes ☐ No	
Are there known lead/GRR service lines at childcare centers?	☐ Yes ☐ No	
Are there known lead/GRR service lines at elementary schools?	☐ Yes ☐ No	
Are there known lead/GRR service lines at middle/high schools?	☐ Yes ☐ No	
Are there known lead/GRR service lines at multi-unit residential buildings?	☐ Yes ☐ No	
Are there known lead/GRR service lines at doctor's offices or nursing homes?	☐ Yes ☐ No	
Are there unknown service lines more likely to be lead or GRR based on ages of buildings or known service line materials in the area?	☐ Yes ☐ No	
Are there unknown service lines more likely to be lead in locations serving infants or children?	☐ Yes ☐ No	
Are there homes or areas with previously elevated lead results?	☐ Yes ☐ No	
☐ Other	Describe: _____ _____ _____	

INFORMING CUSTOMERS ABOUT SERVICE LINE REPLACEMENT PROGRAM

In accordance with 40 CFR §141.84(c)(1)(vii) systems must outline a communication strategy to inform residential and non-residential customers and consumers (e.g., property owners, renters, tenants) served by the water system about the service line replacement plan and program.

METHODS FOR DISTRIBUTING INFORMATION

Please check all the following that apply for the how the system intends to distribute service line replacement plan information to customers:

Method:	If checked: Planned Frequency of Outreach?	Date(s) Completed:
Customer Outreach		
☐ Utility bills		
☐ In conjunction with materials notifications for potential lead service lines	Annually by January 30	
☐ Calls / voicemails to customers		
☐ E-mails to customers		
☐ Texts messages to customers		
☐ Other		
Non-Customer Consumer Outreach		
☐ Social media postings		
☐ Utility website postings		
☐ Separate utility mailings or door hangers		
☐ Public meeting		
☐ Community event		
☐ Delivery of multiple copies for distribution to: ☐ Local schools ☐ Public health departments ☐ Doctor offices ☐ Large employers		
☐ Other:		
☐ Newspaper postings		
☐ Broadcast media notification (e.g., local news or radio stations)		
☐ Consumer Confidence Reports	Annually by July 1	

☐ Other	Describe:
☐ Attach any templates the system plans to utilize to inform customers of the system's service line replacement plan.	Name of Attachment(s):

FUNDING AND COST RESPONSIBILITY

This section is intended to meet the LSLR Plan requirement described in 40 CFR §141.84(C)(1)(vi) requiring systems to submit a funding strategy for conducting service line replacements. This section must describe if the system intends to charge customers for replacement costs, and if so, whether/how customers who are unable to pay will be assisted with costs.

APPROXIMATING SERVICE LINE REPLACEMENT COSTS

Systems may find it useful to approximate a cost range for completing service line replacement. Replacing a single service line can cost anywhere between \$5,000 and \$10,000.

Low-End Replacement Cost Approximation

The low-end cost approximation assumes all unknown lines are **non-lead** at **\$5,000** per replacement.

Total Number Known Lead Lines		
Total Number Known GRR Lines		
		
	\$ 5,000	
Total Known Replacements Needed	Approx. Cost to Replace Single Service Line	Low-End Cost for Replacement Program

High-End Replacement Cost Approximation

The high-end cost approximation assumes all unknown lines are **lead or GRR** at **\$10,000** per replacement.

Total Number Known Lead Lines		
Total Number Known GRR Lines		
Total Number Unknown Lines		
		
	\$ 10,000	
Total Potential Replacements Needed	Approx. Cost to Replace Single Service Line	High-End Cost for Replacement Program

LEAD SERVICE LINE REPLACEMENT FINANCING

Select the following regarding the system's plans for funding the mandatory service line replacement program and other LCRI requirements:

The system will need to have approval from another agency or governing body prior to beginning replacements (due to budgetary issues), e.g., Title 291, Chapter 6 regulations, local ordinances, covenants, etc. ☐ Yes ☐ No
If Yes, please explain:
Is the system owned by a political subdivision? ☐ Yes ☐ No
If Yes, will the property owner be responsible for a portion of the replacement cost? ☐ Yes ☐ No
If Yes, what percentage or portion?
Does any of the above require customer consent and / or require or authorize customer cost-sharing? ☐ Yes ☐ No
If Yes, please explain:
Does the system intend to utilize the financial resources available through Nebraska's Drinking Water State Revolving Fund (DWSRF)? ☐ Yes ☐ No
Please select any other methods the system intends to utilize to fund service line replacement: ☐ Water utility rate increases ☐ Assess property tax ☐ USDA Rural Development Loan and Grant Program ☐ Community Development Block Grant ☐ Other, explain:
List financial approvals, if any, that will need to be obtained before beginning replacements:

Customer-Owned Portions of Service Lines

Does the water system intend to charge customers for the cost to replace the customer-owned portion of the service line? ☐ Yes ☐ No
If Yes, please explain:

Will the water system assist customers who are unable to pay to replace the portion of the service line they own? ☐ Yes ☐ No

If Yes, please explain:

SETTING ASIDE FUNDS FOR MAILINGS AND OTHER FUTURE COSTS

The system will ensure that there are adequate funds to cover the cost of lead service line replacement activities by: (select all that apply)

- ☐ Securing and setting aside funds on a yearly basis to cover the additional costs of certified mailing associated with each phase of replacement
- ☐ Securing and setting aside funds for any outreach costs associated with replacements
- ☐ Securing and setting aside funds for customer water testing samples following a replacement
- ☐ Securing and setting aside funds for filter pitchers and replacements provided following a replacement
- ☐ Making sure that there is adequate funding set aside if additional staffing is needed
- ☐ Securing and setting aside funds if additional lead service lines and galvanized requiring replacement service lines are identified and must be replaced.

*DWEE's State Revolving Fund program may have funding assistance for replacing lead lines and identifying unknown service line materials. Please contact the Department at ndwee.srf@nebraska.gov.

LEAD-LINED GALVANIZED EVALUATION

Water systems must report findings of lead-lined galvanized service lines to the Department annually by January 30. In accordance with 40 CFR §141.84(C)(1)(ix), the LSLR Plan must outline a strategy to determine the extent of the use of lead-lined galvanized services lines. For the purposes of the service line inventory, lead-lined galvanized service lines are considered **lead**.

Has the system discovered any lead line galvanized service lines or mains in previous inventory investigations?	☐ Yes ☐ No
If yes, how many?	
If yes, are the service lines from a specific time period?	☐ Yes ☐ No
If yes, provide approximate age of pipes:	
Have service lines/mains from similar time period(s) been investigated for being lead-lined galvanized?	☐ Yes ☐ No
If yes, are the service lines concentrated in a specific area of the system?	☐ Yes ☐ No
If yes, describe:	
Have service lines/mains located nearby been investigated for being lead-lined galvanized?	☐ Yes ☐ No
If yes, were additional lead lined galvanized pipes discovered?	☐ Yes ☐ No

Template 1 - Notice of Planned Partial Service Line Replacement

_____ records indicate your water service line at _____ may contain lead or lead-contaminated galvanized iron. From _____ planned public water system infrastructure work will be occurring that affects a portion of your water service line.

The _____ has contacted the property owner to obtain access to conduct full service line replacement, and has either documented property owner refusal to allow full service line replacement, or has failed to receive a response from the owner after several outreach attempts.

Service line replacements typically take _____ days, and water service may be shutdown for a maximum of _____ consecutive hours. Consumers will be notified again at least 24 hours prior to water service shutoff.

If you have any questions, or are interested in learning more about full service line replacement, please contact us.

Name of Utility Contact:

E-mail Address:

Phone Number:

For more information or to view the utility's service line replacement plan, visit:

Template 2 – Potential Temporary Increase of Lead in Tap Water

[] recently conducted public water system infrastructure work affecting your water service line. Occurring on [], there was a [planned/unplanned/emergency] [full/partial replacement or] or [disturbance to] your service line.

Due to the materials of the service line, there may be a temporary increase of lead levels in your drinking water due to the replacement. This notice is being delivered on [] inform consumers of potential health impacts, and steps to take to reduce potential harmful exposures.

Health Effects of Lead

There is no safe level of lead in drinking water. Exposure to lead in drinking water can cause serious health effects in all age groups, especially pregnant people, infants (both formula-fed and breastfed), and young children. Some of the health effects to infants and children include decreases in IQ and attention span. Lead exposure can also result in new or worsened learning and behavior problems. The children of persons who are exposed to lead before or during pregnancy may be at increased risk of these harmful health effects. Adults have increased risks of heart disease, high blood pressure, kidney or nervous systems problems. Contact your health care provider for more information about your risks.

Sources of Lead

Lead is a naturally occurring metal that has been widely used in household products, plumbing materials, and paints. While useful in construction and manufacturing, lead can be harmful to human health.

Lead is not usually found in the source water itself (such as rivers, lakes, or groundwater). Instead, lead can enter drinking water through contact with household or building plumbing materials. When water sits in lead service lines, lead solder, brass fixtures, or plumbing connectors that contain lead, small amounts of lead can dissolve or flake off into the water.

- Service lines: The pipe connecting your home to the water main may be made of lead or may contain lead connectors.
- Plumbing inside buildings: Lead solder was commonly used to join copper pipes in homes built before 1986. Fixtures and faucets manufactured before January 4, 2014, may contain higher levels of lead, before the updated 'lead-free' standard took effect.
- “Lead-free” definition: The Safe Drinking Water Act, Section 1417, first defined “lead free” plumbing materials in 1986 as materials with no more than 8% lead content. This definition was revised in 2011 to a stricter standard: weighted average lead content of not more than 0.25% across wetted surfaces. Because plumbing materials vary between homes and buildings, lead levels may not be the same at every tap. Even if a sample shows no lead today, lead may be present at other taps or at another time.

Other common sources of lead exposure include:

- Lead-based paint and household dust, especially in homes built before 1978.
- Soil contaminated by past use of leaded gasoline or industrial emissions.
- Household items such as older pottery, imported cosmetics, or toys.

Steps Consumers Can Take to Reduce Lead Exposure

1. Use a Filter

- An ANSI/NSF-certified water filter designed to remove lead is effective in reducing exposure.
- Filters should always be used and maintained according to the manufacturer's instructions.
- (If applicable: Because this water system has experienced multiple lead action level exceedances, information on how to obtain a filter will be provided under §141.85(j).)

2. Run the Tap Before Drinking or Cooking

- Lead levels can increase the longer water sits in pipes and plumbing that contain lead.
- Run the water until it becomes cold and fresh before using it for drinking or cooking.
- Homes with lead or galvanized requiring replacement (GRR) service lines may need to run the water for longer periods to fully flush out the pipes.

3. Avoid Using Hot Tap Water for Cooking or Baby Formula

- Do not use hot water directly from the tap for making baby formula, beverages, or food.
- Hot water dissolves lead more quickly, which increases the amount of lead in water.

4. Do Not Boil Water to Remove Lead

- Boiling water does not remove lead. In fact, it may concentrate lead levels because water evaporates while boiling.

5. Clean Faucet Aerators Regularly

- Lead particles and other debris can collect in the screens at the tips of faucets.
- Remove and rinse aerators weekly or as needed to keep them clear.

6. Use Alternative Water Sources if Needed

- Pregnant persons, infants, and young children are especially vulnerable to lead.
- Consider using bottled water or water from a certified filter for drinking and cooking.

7. Test Your Child's Blood for Lead

- Parents and guardians are encouraged to have their young children tested for lead exposure.
- For information on blood lead testing, contact your local health department or the Nebraska Department of Health and Human Services, Lead Poisoning Prevention Program: 402-471-2937.

Contact Us: Test Your Water for Lead

- Consumers may choose to have their water tested for lead.
- Contact at for information on testing opportunities available to customers.
- You may also contact private laboratories certified to test for lead in drinking water.

Template 3 – Consumer Flushing Instructions

Important: Please follow these steps before using your water for drinking or cooking. Your water service line was [REDACTED]. During and after this work, particles of lead may have been disturbed and can be present in your water. The following flushing procedure helps clear particulate lead from your service line and household plumbing.

Step 1. Remove or Clean Faucet Aerators

1. Unscrew and remove the small screen (aerator) at the tip of each faucet you will flush.
2. Rinse the aerator thoroughly to remove any trapped debris.
3. Reinstall the aerator after flushing is complete.

Step 2. Flush Cold Water Taps in the Building

1. Begin with the lowest-level faucet in your home/building.
2. Fully open the cold water tap and let it run for at least 30 minutes.
 - Larger homes, or homes with longer service lines, may require longer flushing times (up to 45 minutes).
3. Move to the next faucet on a higher floor and repeat the flushing step.
4. Continue until you have flushed from all cold water taps in the building, ending with the highest floor.

Step 3. Flush Other Plumbing Fixtures

1. Run cold water in bathtubs, showers, and any utility sinks for at least 10 minutes each.
2. Flush appliances that use water (such as refrigerators with ice makers and water dispensers) according to the manufacturer's recommendations.

Step 4. Special Precautions After Flushing

- Always use cold water for cooking, drinking, and preparing baby formula.
- Do not use hot water from the tap for drinking or cooking.
- Boiling water does not remove lead.
- If your water has not been used for several hours, run the cold water for 2–3 minutes before use.

Additional Information

- These steps should be repeated any time your water service line is disturbed or plumbing work is done.
- Pregnant people, infants, and young children are especially vulnerable to lead exposure. Consider using bottled water or an ANSI/NSF-certified filter until you are confident your water is clear.
- For questions or assistance, please contact [REDACTED] at [REDACTED].

Template 4 - Consumer Notice of Lead and Copper Tap Water Results

Water System Name: _____ PWS ID: _____

Sample Site Address: _____ Collected On: _____ Results Received: _____

Thank you for participating in the lead and copper tap monitoring program. The Safe Drinking Water Act requires that a water system provides notice of the individual lead and copper tap results to the occupants of the site where the tap was tested.

The level of lead found at your location was _____ ug/L.

The level of copper found at your location was _____ ug/L.

Definitions:

Action Level (AL): the concentration of lead or copper, which if exceeded, may require a water system to install treatment to correct the problem.

- The AL for lead is 10 micrograms of lead per liter of water (µg/L).
- The AL for copper is 1300 micrograms of copper per liter of water (µg/L).

Maximum Contaminant Level Goal (MCLG): The level of a contaminant in drinking water below which there are no known or expected risks to health. MCLGs allow for a margin of safety.

- The MCLG for lead is 0 µg/L. This means that there is no safe level of lead to consumers.
- The MCLG for copper is 1300 µg/L.

What Are the Health Effects of Lead?

There is no safe level of lead in drinking water. Exposure to lead in drinking water can cause serious health effects in all age groups especially pregnant people, infants (both formula-fed and breastfed), and young children. Some of the health effects to infants and children include decreases in IQ and attention span. Lead exposure can also result in new or worsened learning and behavior problems. The children of persons who are exposed to lead before or during pregnancy may be at increased risk of these harmful health effects. Adults have increased risks of heart disease, high blood pressure, kidney or nervous systems problems. Contact your health care provider for more information about your risks

Sources of Lead

Lead is a naturally occurring metal that has been widely used in household products, plumbing materials, and paints. While useful in construction and manufacturing, lead can be harmful to human health.

Lead is not usually found in the source water itself (such as rivers, lakes, or groundwater). Instead, lead can enter drinking water through contact with household or building plumbing materials. When water sits in lead service lines, lead solder, brass fixtures, or plumbing connectors that contain lead, small amounts of lead can dissolve or flake off into the water.

- Service lines: The pipe connecting your home to the water main may be made of lead or may contain lead connectors.
- Plumbing inside buildings: Lead solder was commonly used to join copper pipes in homes built before 1986. Fixtures and faucets manufactured before January 4, 2014, may contain higher levels of lead, before the updated 'lead-free' standard took effect.
- "Lead-free" definition: The Safe Drinking Water Act, Section 1417, first defined "lead free" plumbing materials in 1986 as materials with no more than 8% lead content. This definition was revised in 2011 to a stricter standard: weighted average lead content of not more than 0.25% across wetted surfaces.

Because plumbing materials vary between homes and buildings, lead levels may not be the same at every tap. Even if a sample shows no lead today, lead may be present at other taps or at another time.

Other common sources of lead exposure include:

- Lead-based paint and household dust, especially in homes built before 1978.
- Soil contaminated by past use of leaded gasoline or industrial emissions.
- Household items such as older pottery, imported cosmetics, or toys.

Steps Consumers Can Take to Reduce Lead Exposure

1. Use a Filter

- An ANSI/NSF-certified water filter designed to remove lead is effective in reducing exposure.
- Filters should always be used and maintained according to the manufacturer's instructions.
- (If applicable: Because this water system has experienced multiple lead action level exceedances, information on how to obtain a filter will be provided under §141.85(j).)

2. Run the Tap Before Drinking or Cooking

- Lead levels can increase the longer water sits in pipes and plumbing that contain lead.
- Run the water until it becomes cold and fresh before using it for drinking or cooking.
- Homes with lead or galvanized requiring replacement (GRR) service lines may need to run the water for longer periods to fully flush out the pipes.

3. Avoid Using Hot Tap Water for Cooking or Baby Formula

- Do not use hot water directly from the tap for making baby formula, beverages, or food.
- Hot water dissolves lead more quickly, which increases the amount of lead in water.

4. Do Not Boil Water to Remove Lead

- Boiling water does not remove lead. In fact, it may concentrate lead levels because water evaporates while boiling.

5. Clean Faucet Aerators Regularly

- Lead particles and other debris can collect in the screens at the tips of faucets.
- Remove and rinse aerators weekly or as needed to keep them clear.

6. Use Alternative Water Sources if Needed

- Pregnant persons, infants, and young children are especially vulnerable to lead.
- Consider using bottled water or water from a certified filter for drinking and cooking.

7. Test Your Child's Blood for Lead

- Parents and guardians are encouraged to have their young children tested for lead exposure.
- For information on blood lead testing, contact your local health department or the Nebraska Department of Health and Human Services, Lead Poisoning Prevention Program: 402-471-2937.

Contact Us: Test Your Water for Lead

- Consumers may choose to have their water tested for lead.
- Contact at for information on testing opportunities available to customers.
- You may also contact private laboratories certified to test for lead in drinking water.

What Are the Health Effects of Copper?

Copper is an essential nutrient but some people who drink water containing copper in excess of the action level over a relatively short amount of time could experience gastrointestinal distress. Some people who drink water containing copper in excess of the action level over many years could suffer liver or kidney damage. People with Wilson's disease should consult their physician.

For More Information

Call _____ at _____

Notice Delivered on: _____

Template 5 – Private Service Line Access Agreement

[] records indicate your water service line at [] may contain lead or lead-contaminated galvanized iron. From [] planned public water system infrastructure work will be occurring that affects a portion of your water service line.

The [] is requesting the property owner's consent to replace the full water service line during this planned work. Service line replacements typically take _____ days, and water service may be shutdown for a maximum of _____ consecutive hours.

Utility Staff / Contractor Responsibilities

- ☒ Verify material of service line (if piping is not lead or galvanized iron, replacement will not occur).
- ☒ Provide minimum 24 hours' notice prior to service shut down via [phone call / e-mail / door hanger]
- ☒ Excavate soil from around service piping and [remove / disconnect] lead contaminated pipes
- ☒ Replace the full water service piping with _____ pipe material
- ☐ Replace exterior soil and grass
- ☐ Interior repairs to home
- ☒ Deliver written health notice and flushing instructions prior to replacing the line into service
- ☒ Deliver home lead filter with 6 months replacement filters and instructions on filter use
- ☒ Conduct follow-up testing 3-6 months after replacement
- ☐ Maintain ownership and maintenance of service line following replacement

Property Owner Responsibilities

- ☒ Make exterior water service accessible (i.e., open any fences/gates block property entry)
- ☒ Make interior water service / meter accessible (e.g., securing pets, ensuring physical path to water lines)
- ☐ Owner or owner representative available during planned work and final inspection
- ☐ Exterior repairs to property (yard/driveway/sidewalk repair)
- ☐ Interior repairs to home
- ☐ Maintain current ownership of service line following replacement

Initial Agreement or Decline of Service Line Replacement

The [PWS Name] is estimating that the cost incurred by the property owner to be \$ _____.
Please complete the information below and respond within _____ days.

Property Owner Name:		
Replacement Address:		
Property is:		If multi-unit property:
		Are all units under same ownership: ☐ Yes ☐ No
☐ Single-family home	☐ Apartment / Multi-unit Residence	List apartment/suite numbers: _____ _____ _____
☐ Single unit business	☐ Multi-unit business	
City / State / Zip:		
Daytime Phone Number:		
E-mail Address:		
☒ Yes, property owner agrees to make service line available for full replacement.		☐ No, property owner declines to allow the utility to replace their portion of the service line.

Property Owner's Signature

Date

Utility Contact Information

Return completed forms to:

E-mail:

Mail:

Questions? Contact utility:

Name of Utility Contact:

Phone Number:

E-mail Address:

ATTACHMENT 1. REPORTING SERVICE LINE REPLACEMENTS

Information required with January 30, 2030 , submittal	
During Program Year 2: January 1, 2029 – December 31, 2029	
Total Number Replacement Pool at end of Program Year:	Required Replacement Rate : [0.010]
Number Partial Lead Service Line Replacements:	Number Partial GRR Service Line Replacements:
Number Full Lead Service Line Replacements:	Total Number Full Replacements in Year 2:
Number Full GRR Service Line Replacements:	
Total Number Full Replacements in Year 1:	Total Number Full Replacements to Date : (Number Full Replacements in Year 1 + Year 2)
Total Number Full Replacements in Year 2:	
Cumulative % of Service Lines Replaced: _____%	$\frac{\text{Total Number Full Replacements to Date}}{\text{Total Number Replacement Pool}} \times 100$
Cumulative Average Replacement Rate: Compliance not assessed	$\frac{\text{Cumulative \% Service Lines Replaced}}{\text{Number Completed Program Years (2)}}$
Information required with January 30, 2031 , submittal	
During Program Year 3: January 1, 2030 – December 31, 2030	
Total Number Replacement Pool at end of Program Year:	Required Replacement Rate: [0.010]
Number Partial Lead Service Line Replacements:	Number Partial GRR Service Line Replacements:
Number Full Lead Service Line Replacements:	Total Number Full Replacements in Year 3:
Number Full GRR Service Line Replacements:	
Total Number Full Replacements in Year 1:	Total Number Full Replacements to Date : (Number Full Replacements Year 1 + 2 + 3)
Total Number Full Replacements in Year 2:	
Total Number Full Replacements in Year 3:	
Cumulative % of Service Lines Replaced: _____%	$\frac{\text{Total Number Full Replacements to Date}}{\text{Total Number Replacement Pool}} \times 100$
Cumulative Average Replacement Rate: Must meet Required Replacement Rate	$\frac{\text{Cumulative \% Service Lines Replaced}}{\text{Number Completed Program Years (3)}}$
Information required with January 30, 2032 , submittal	
During Program Year 4: January 1, 2031 – December 31, 2031	

Total Number Replacement Pool at end of Program Year:	Required Replacement Rate: [0.010]
Number Partial Lead Service Line Replacements:	Number Partial GRR Service Line Replacements:
Number Full Lead Service Line Replacements:	Total Number Full Replacements in Year 4:
Number Full GRR Service Line Replacements:	
Total Number Full Replacements to Date: _____	Number Full Replacements in Years 1 + 2 + 3 + 4
Cumulative % of Service Lines Replaced: _____%	$\frac{\text{Total Number Full Replacements to Date}}{\text{Total Number Replacement Pool}} \times 100$
Cumulative Average Replacement Rate: _____ Must meet Required Replacement Rate	$\frac{\text{Cumulative \% Service Lines Replaced}}{\text{Number Completed Program Years (4)}}$
Information required with January 30, 2033 , submittal	
During Program Year 5: January 1, 2032 – December 31, 2032	
Total Number Replacement Pool at end of Program Year:	Required Replacement Rate: [0.010]
Number Partial Lead Service Line Replacements:	Number Partial GRR Service Line Replacements:
Number Full Lead Service Line Replacements:	Total Number Full Replacements in Year 5: _____
Number Full GRR Service Line Replacements:	
Total Number Full Replacements to Date: _____	Number Full Replacements in Years 1 + 2 + 3 + 4 + 5
Cumulative % of Service Lines Replaced: _____%	$\frac{\text{Total Number Full Replacements to Date}}{\text{Total Number Replacement Pool}} \times 100$
Cumulative Average Replacement Rate: _____ Must meet Required Replacement Rate	$\frac{\text{Cumulative \% Service Lines Replaced}}{\text{Number Completed Program Years (5)}}$
Information required with January 30, 2034 , submittal	
During Program Year 6: January 1, 2033 – December 31, 2033	
Total Number Replacement Pool at end of Program Year:	Required Replacement Rate: [0.010]
Number Partial Lead Service Line Replacements:	Number Partial GRR Service Line Replacements:
Number Full Lead Service Line Replacements:	Total Number Full Replacements in Year 6:
Number Full GRR Service Line Replacements:	

Total Number Full Replacements to Date: _____	Number Full Replacements in Years 1 + 2 + 3 + 4 + 5 + 6
Cumulative % of Service Lines Replaced: _____%	$\frac{\text{Total Number Full Replacements to Date}}{\text{Total Number Replacement Pool}} \times 100$
Cumulative Average Replacement Rate: Must meet Required Replacement Rate	$\frac{\text{Cumulative \% Service Lines Replaced}}{\text{Number Completed Program Years (6)}}$
Information required with January 30, 2035 , submittal	
During Program Year 7: January 1, 2034 – December 31, 2034	
Total Number Replacement Pool at end of Program Year:	Required Replacement Rate: [0.010]
Number Partial Lead Service Line Replacements:	Number Partial GRR Service Line Replacements:
Number Full Lead Service Line Replacements:	Total Number Full Replacements in Year 7:
Number Full GRR Service Line Replacements:	
Total Number Full Replacements to Date: _____	Number Full Replacements in Years 1 + 2 + 3 + 4 + 5 + 6 + 7
Cumulative % of Service Lines Replaced: _____%	$\frac{\text{Total Number Full Replacements to Date}}{\text{Total Number Replacement Pool}} \times 100$
Cumulative Average Replacement Rate: _____ Must meet Required Replacement Rate	$\frac{\text{Cumulative \% Service Lines Replaced}}{\text{Number Completed Program Years (7)}}$
Information required with January 30, 2036 , submittal	
During Program Year 8: January 1, 2035 – December 31, 2035	
Total Number Replacement Pool at end of Program Year:	Required Replacement Rate: [0.010]
Number Partial Lead Service Line Replacements:	Number Partial GRR Service Line Replacements:
Number Full Lead Service Line Replacements:	Total Number Full Replacements in Year 8:
Number Full GRR Service Line Replacements:	
Total Number Full Replacements to Date: _____	Number Full Replacements in Years 1 + 2 + 3 + 4 + 5 + 6 + 7 + 8
Cumulative % of Service Lines Replaced: _____%	$\frac{\text{Total Number Full Replacements to Date}}{\text{Total Number Replacement Pool}} \times 100$

Cumulative Average Replacement Rate: Must meet Required Replacement Rate	$\frac{\text{Cumulative \% Service Lines Replaced}}{\text{Number Completed Program Years (8)}}$
Information required with January 30, 2037 , submittal	
During Program Year 9: January 1, 2036 – December 31, 2036	
Total Number Replacement Pool at end of Program Year:	Required Replacement Rate: [0.010]
Number Partial Lead Service Line Replacements:	Number Partial GRR Service Line Replacements:
Number Full Lead Service Line Replacements:	Total Number Full Replacements in Year 9:
Number Full GRR Service Line Replacements:	
Total Number Full Replacements to Date: _____	Number Full Replacements in Years 1 + 2 + 3 + 4 + 5 + 6 + 7 + 8 + 9
Cumulative % of Service Lines Replaced: _____ %	$\frac{\text{Total Number Full Replacements to Date}}{\text{Total Number Replacement Pool}} \times 100$
Cumulative Average Replacement Rate: Must meet Required Replacement Rate	$\frac{\text{Cumulative \% Service Lines Replaced}}{\text{Number Completed Program Years (9)}}$
Information required with January 30, 2038 , submittal	
During Program Year 10: January 1, 2037 – December 31, 2037	
Total Number Replacement Pool at end of Program Year:	Required Replacement Rate: [0.010]
Number Partial Lead Service Line Replacements:	Number Partial GRR Service Line Replacements:
Number Full Lead Service Line Replacements:	Total Number Full Replacements in Year 10:
Number Full GRR Service Line Replacements:	
Total Number Full Replacements to Date: _____	Number Full Replacements in Years 1 + 2 + 3 + 4 + 5 + 6 + 7 + 8 + 9 + 10
Cumulative % of Service Lines Replaced: _____ %	$\frac{\text{Total Number Full Replacements to Date}}{\text{Total Number Replacement Pool}} \times 100$
Cumulative Average Replacement Rate: Must meet Required Replacement Rate	$\frac{\text{Cumulative \% Service Lines Replaced}}{\text{Number Completed Program Years (9)}}$

ATTACHMENT 2. REPORTING UNKNOWN IDENTIFICATIONS

Program Years and Dates		Number Unknowns Identified	Number Unknowns Remaining
1	Nov 1, 2027 – Dec 31, 2028		
2	Jan 1, 2029 – Dec 31, 2029		
3	Jan 1, 2030 – Dec 31, 2030		
4	Jan 1, 2031 – Dec 31, 2031		
5	Jan 1, 2032 – Dec 31, 2032		
6	Jan 1, 2033 – Dec 31, 2033		
7	Jan 1, 2034 – Dec 31, 2034		
8	Jan 1, 2035 – Dec 31, 2035		
9	Jan 1, 2036 – Dec 31, 2036		
10	Jan 1, 2037 – Dec 31, 2037		