

GILA BEND AFAF LEAD SERVICE LINE PUBLIC NOTIFICATION

Dear Resident,

The Environmental Protection Agency (EPA) Lead and Copper Rule was first introduced in 1991 to identify and reduce lead and copper in drinking water through corrosion control techniques and routine monitoring. The EPA recently revised the Lead and Copper Rule to further reduce the risk of lead in drinking water. The revision requires water systems to: 1) identify drinking water service lines that are either lead or galvanized downstream of a lead line, and 2) implement a replacement plan for such service lines.

Gila Bend Air Force Auxiliary Field (AFAF) has completed our inspection of all drinking water service lines that impact our facilities and military housing. Service lines are smaller water lines that carry water from the main water line (typically running under the street) through your yard and into your home.

Based on the preliminary results of the drinking water service line inspection, the composition of the water line servicing **Buildings; 18, 28, 45, 314, 2003, 2099, 2360, and 3350** could not be determined. This situation is defined in the Lead and Copper Rule as “lead status unknown,” meaning the service line may be lead but efforts thus far have been unable to confirm the material makeup. Gila Bend AFAF routinely monitors for lead in drinking water, and recent analytical results indicate concentrations of lead remain below the associated regulatory thresholds established by the EPA. While evaluation is ongoing to determine the exact composition, drinking water service lines identified as “unknown” are managed as though they are lead pending further investigation. Any service line where, following further investigation, the material make-up cannot be definitively determined will be replaced in accordance with the installation drinking water service line replacement program.

The Department of the Air Force and your **Gila Bend AFAF** leadership are committed to the health and safety of you and your family. Reliable access to quality water is a priority for the Department of the Air Force – it impacts our people, our missions, and the communities we call home.

The installation inventory can be found at <https://www.luke.af.mil/News/Press-Releases/>. For more information on the installation lead service line inventory, call Mr. James Nowicki at 623-856-1758. To learn more about the installation drinking water sampling program, call Stephen Carr at 623-856-1707.

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If you are concerned, there are steps you can take to further reduce your risk. Information on reducing the risk of lead exposure in drinking water and the health effects of lead are provided here, and additional information can be found on EPA's Website at <http://www.epa.gov/lead>.

Lead can cause serious health problems, especially for pregnant women and young children. Please read this information closely to see what you can do to reduce the risk of lead in your drinking water.	
What is Lead? Lead is a common metal found in the environment. The main sources of lead exposure are lead-based paint and lead-contaminated dust or soil, and some plumbing materials. In addition, lead can be found in certain types of pottery, pewter, brass fixtures, food, and cosmetics. Other sources include exposure in the workplace and exposure from certain hobbies (lead can be carried on clothing and shoes). Brass faucets, fittings, and valves, including those advertised as "lead-free," may contribute lead to drinking water. Environmental Protection Agency estimates that 10 to 20 percent of a person's potential exposure to lead may come from drinking water. Infants who consume mostly formula mixed with lead service can receive 40 to 60 percent of their exposure to lead from drinking water.	
What are the Potential Health Impacts? Exposure to lead in drinking water can cause serious health effects in all age groups. Infants and children can have decreases in IQ and attention span. Lead exposure can lead to new learning and behavior problems or exacerbate existing learning and behavior problems. The children of women who are exposed to lead before or during pregnancy can have increased risk of these adverse health effects. Adults can have increased risks of heart disease, high blood pressure, kidney or nervous system problems.	How Can I Reduce Exposure Risk? Run your water to flush out stagnate water where lead may have accumulated. Run water for 15 - 30 seconds to flush lead from interior plumbing or until it becomes cold or reaches a steady temperature before using it for drinking or cooking if it hasn't been used for several hours. Use cold water for cooking and preparing baby formula. Lead dissolves more easily into hot water. Do not boil water to remove lead. Boiling water will not reduce lead.



ADEQ LEAD SERVICE LINE INVENTORY TEMPLATE

General Instructions

This narrative describes the two tabs and column/fields therein to facilitate data entry.

Should the system have further questions, comments, or concerns as they leverage the ADEQ Template, please direct such to the appropriate party:

For questions related to Arizona's implementation of the LCRR including basis of material classification, field verification methods, etc: contact the Arizona Department of Environmental Quality via email at lsinventory@azdeq.gov

lsinventory@azdeq.gov

or visit our website at <https://azdeq.gov/LeadCopperRule>.

<https://azdeq.gov/LeadCopperRule>

For questions related to the 120 Water Database and uploading this spreadsheet including:

contact 120 Water via email at support@120water.com

support@120water.com

or access the 120 Water Database at www.pws.120wateraudit.com.

[pws.120wateraudit.com](http://www.pws.120wateraudit.com)

1. PWS Information & Inventory Methodology Instructions

Complete the PWS Information and Inventory Methodology spreadsheet as well as the Detailed Inventory sheet to document the methods and resources used to develop and/or update the service line inventory.

All sheets of this spreadsheet are REQUIRED for compliance with the LCRR.

Section	Overview	Details
Public Water System Information	For the submission of the service line inventory water system information is needed.	Provide all information for Water System Name, PWSID, Population, Number of Service Connections, PWS Type, City/Town, County, Mailing Address, and System Contact Person.
Inventory Methodology Section 1: Historical Records Review	The LCRR indicates certain types of records that must be reviewed and assessed under LCRR prior to considering service line investigations.	Provide information relating to Previous Materials Evaluation, Construction Records and Plumbing Codes, Water System Records, Distribution System Inspections and Records, and Other Records.
Section 2: Identifying Service Line Material During Normal Operations	Gathering service line material data during normal operations is a valuable way to leverage those moments to make progress on this requirement.	Provide information related to water meter reading, water meter repair, service line repair, water main repair, backflow prevention device inspection, and other standard operating procedures for material identification.
Section 3: Service Line Investigation	In instances of assessing the accuracy of historical records and/or gathering information where the service line material remains unknown, field investigations of the service line may be appropriate and valuable.	Provide information on field investigation methods used to identify unknown service lines.
Section 4: Certification Statement of Service Line Inventory	A designated authority for each water system must certify that the above responses to inventory methods questions are accurate to the best of their knowledge. If a third party (contractor, vendor, engineering firm, etc) was leveraged to assist with the development of the system's service line inventory their details should also be provided.	Provide certification of a designated authority from the water system.

2. Detailed Inventory Instructions

Complete the Detailed Inventory spreadsheet to document the materials, data sources, and other relevant details associated with each service line, both the system-owned side and customer-owned side.

Each row in this spreadsheet represents one service line connecting the water main to the customer's plumbing. The spreadsheet is organized into the following sections:

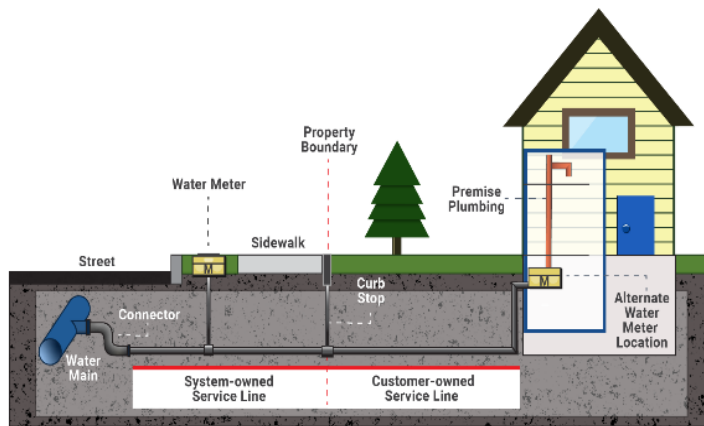
Section	Color	Columns
120Water ID Numbers (used for updating inventory after initial upload)	White	A - B
Location Information	White	C - K
System-Owned Portion	Blue	L - U
Customer-Owned Portion	Green	V - AD
Other Potential Sources of Lead	Light Gray	AE - AG
Additional Information to Assign Tap Monitoring Tiering	Dark Gray	AH - AK
Lead Service Line Replacement	Orange	AL - AM

Required Fields:

Section	Columns	Column Names
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Location Information	C, E, F, G, K	Address 1, City/Town, State, Zip Code, Building Construction Date
System-Owned Portion (if only record review completed)	L, M, N, O, Q	Service Line Installation Date, Service Line Size, Service Line Material Classification, Basis of Material Classification, Field Investigation Completed
System Owned Portion (if field verification completed)	L, M, N, Q, R, T	Service Line Installation Date, Service Line Size, Service Line Material Classification, Field Investigation Completed, Field Investigation Method, Date of Field Verification
Customer-Owned Portion (if only record review completed)	V, W, X, Y, AA	Service Line Installation Date, Service Line Size, Service Line Material Classification, Basis of Material Classification, Field Investigation Completed
Customer-Owned Portion (if field verification completed)	V, W, X, AA, AB, AD	Service Line Installation Date, Service Line Size, Service Line Material Classification, Field Investigation Completed, Field Investigation Method, Date of Field Verification
Other Potential Sources of Lead	AE and AF	Is there a Lead Connector or Fitting and Is there Lead Solder or is the Lead Lined
Additional Information to Assign Tap Monitoring Tiering	AH, AI, AJ, AK	Property Classification, Poin-of-Entry or Point-of-Use Treatment, Copper Pipes with Lead Solder, Current LCR Sampling Site
Lead Service Line Replacement (if line has been replaced)	AL and AM	System-Owned Lead Removal Date and Customer-Owned Lead Removal Date

Exhibit 1. Example of Service Line Ownership Distinction between the Water System and Customer



Source: Exhibit 2-2



ADEQ LEAD SERVICE LINE INVENTORY TEMPLATE

Public Water System Information

Water System Name:			
USAF Gila Bend			
PWSID:	Number of People Served:	Number of Service Connections:	PWS Type: (CWS or NTNCWS)
AZ0407055	150	84	NTNCWS
City/Town:		County:	
Gila Bend		Maricopa	
If you are a CWS, do multi-family residences comprise at least 20% of the structures you serve?			
Mailing Address			
GSU GILA BEND ATTN: C BUCHANAN; 56 RANGE MGT OFFICE 7101 JERSTAD LN, BLD 500 LUKE AIR FORCE BASE, AZ 85309			
System Contact Person			
Name:		Title:	
Charles Buchanan		Director, 56 RMO	
Telephone:		Email:	
623-856-8520		charles.buchanan@us.af.mil	
Person Who Prepared Inventory (if different from above)			
Name:		Title/Affiliation:	
Kayla Carpenter		Contractor	
Telephone:		Email:	
408-688-4911		kcarpenter@neiaw.com	

Inventory Methodology

Section 1: Historical Records Review	
Type of Record	Describe all types of Records Reviewed for Your Inventory
1. Previous Materials Evaluation <i>Example: Locations of Tier 1 lead tap sampling locations that are served by a lead service line.</i>	NA
2. Construction Records and Plumbing Codes <i>Examples: Local ordinance adopting an international plumbing code. Permits for replacing lead service lines.</i>	Real property records, utility master plans, and as-built drawings.
3. Water System Records <i>Examples: Capital improvement plans. Standard operating procedures. Engineering standards.</i>	Geographic Information System (GIS) potable water data.
4. Distribution System Inspections and Records <i>Examples: Distribution system maps. Tap cards. Service line repair/replacement records. Inspection records. Meter installation records.</i>	NA

5. Other Records	NA
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Section 2: Identifying Service Line Material During Normal Operations

1. During which normal operating activities are you collecting information on service line material? Select all that apply.

Water meter reading	No
	Yes
Water meter repair or replacement	
Service line repair or replacement	Yes
	Yes
Water main repair or replacement	
Backflow prevention device inspection	No
Other	No
If "Other", please explain:	
2. Did you develop or revise standard operating procedures to collect service line material information during normal operation?	No
If "Yes", please describe:	

Section 3: Service Line Investigations

1. Identify the service line investigation methods your system used to prepare the inventory (check all that apply). If a water system chooses an investigation method not specified by the state under 40 CFR 141.84(a)(3)(iv), state approval is required. ***Note that investigations are not required by the LCRR but can be used by systems to assess accuracy of historical records and gather information when service line material is unknown.***

Visual Inspection at the Meter Pit	Yes
CCTV Inspection at Curb Box - External	No
CCTV Inspection at Curb Box - Internal	No
Water Quality Sampling - Targeted	No
Water Quality Sampling - Flushed	No
Water Quality sampling - Sequential	No
Water Quality Sampling - Other	No
Mechanical Excavation	No
Vacuum Excavation	No
Interpolation	No

<p>If “interpolation”, were the following used to properly interpolate?</p> <p>Selected area is a homogenous community with less than 1,500 service connections AND two or more similar factors including: construction year, location, or contractor/developer.</p> <p>ADEQ requires 20 percent of the total service lines (randomly selected) in the homogenous area to be visually or physically investigated with a 95% confidence rate to produce accurate results for the area.</p>	No
Other	Yes
If "Other", please explain:	Non-intrusive physical inspections (scratch and magnet test) were conducted to identify pipe material and diameter.

Certification Statement:	
Name of designated authority of water system	Charles Buchanan
If applicable: Name and Firm of third party representative assisting with inventory creation.	Nicklaus Engineering, Inc.
I have compiled a service line inventory for this water system based upon a review of the above referenced records and investigations in accordance with 40 CFR Part 141, Subpart 1	Yes

