

PWS Information

Purpose of this worksheet: For water systems to document basic system information.

Facility Information

Water System Name:

South Cheyenne Water and Sewer District

PWSID:	Population Served (number of people):	Number of Service Connections:	PWS Type:
WY5600239	11,200	2107	<input checked="" type="checkbox"/> CWS <input type="checkbox"/> NTNCWS

If you are a CWS, do multi-family residences comprise at least 20% of the structures you serve?

No

Mailing Address

Street or P.O. Box:

215 E. Allison Rd.

City or Town:	State:	Zip Code:
Cheyenne	WY	82007

System Contact Person

Name:	Title:
Scott Spakties	District Manager
Telephone:	Email:
307-635-5608	scwsd215@southcheyennewatersewer.com

Person Who Prepared Inventory (if different from above)

Inventory Methodology

PWS Name: South Cheyenne Water and Sewer District

PWSID: WY5600239

Enter Date Last Updated: 10/15/24

Purpose of this worksheet: For water systems to document the methods and resources they used to develop and update their inventory.

Part 1: Historical Records Review

Type of Record	Describe the Records Reviewed for Your Inventory and Indicate Your Level of Confidence (e.g. , Low, Medium, or High)
1. Previous Materials Evaluation <i>Example: Locations of Tier 1 lead tap sampling locations that are served by a lead service line.</i>	Laramie County Assessor records. SCWSD June 30, 1970 Water Use Agreement
2. Construction Records and Plumbing Codes <i>Examples: Local ordinance adopting an international plumbing code. Permits for replacing lead service lines.</i>	No construction records indicating service line information was available. The City of Cheyenne BOPU construction standard for service lines construction was adopted by the District in 1970 with the Water Use Agreement. The construction standard requires all water service lines to be constructed of seamless copper water tube or PVC. This construction standard also called for all corporation stops and connection to the main to be brass or bronze.
3. Water System Records <i>Examples: Capital improvement plans. Standard operating procedures. Engineering standards.</i>	As stated in section 2, the City of Cheyenne BOPU construction standards were adopted with the June 30, 1970 Water Use Agreement.
4. Distribution System Inspections and Records <i>Examples: Distribution system maps. Tap cards. Service line repair/replacement records. Inspection records. Meter installation records.</i>	SCWSD has developed a robust GIS mapping and on-line system for their water and sanitary sewer system. The District is now using this system to inventory service line material.
5. Additional Records Required by Your State	
6. Other Records	

Part 2: Identifying Service Line Material During Normal Operations

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

- | | |
|--|--|
| <input type="checkbox"/> Water meter reading | <input type="checkbox"/> Water main repair or replacement |
| <input checked="" type="checkbox"/> Water meter repair or replacement | <input type="checkbox"/> Backflow prevention device inspection |
| <input checked="" type="checkbox"/> Service line repair or replacement | <input type="checkbox"/> Other |

If "Other", please explain:

2. Did you develop or revise standard operating procedures to collect service line material information during normal operation? Yes

If "Yes", please describe:

The District is now documenting service line material during replacements.

Part 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.**

- | | |
|--|---|
| <input checked="" type="checkbox"/> Visual Inspection at the Meter Pit | <input type="checkbox"/> Water Quality Sampling - Other |
| <input type="checkbox"/> Customer Self-Identification | <input type="checkbox"/> Mechanical Excavation |
| <input type="checkbox"/> CCTV Inspection at Curb Box - External | <input type="checkbox"/> Vacuum Excavation |
| <input type="checkbox"/> CCTV Inspection at Curb Box - Internal | <input type="checkbox"/> Predictive Modeling |
| <input type="checkbox"/> Water Quality Sampling - Targeted | <input type="checkbox"/> Other |

- ☐ Water Quality Sampling - Flushed
- ☐ Water Quality sampling - Sequential

If "Other", please explain:

2. If "Predictive Modeling", please briefly describe the model and inputs used:

3. How did you prioritize locations for service line materials investigations? For example, did you consider environmental justice and/or sensitive populations, did you use predictive modeling, and/or did you target areas with high number of unknowns?

Using assessor records, construction dates for home and commercial properties were determined. All properties constructed before 1989 were mapped within the District's GIS. These areas of development were divided by neighborhood and commercial development area in order to distinguish areas within the District that were build around the same period of time. All communities were prioritized in the same way. 20% of the meter pits for these home and business for each development area were visually inspected and documented with photographs.

Inventory Summary	
Enter Date Last Updated:	10/15/24

For water systems to provide a summary of their service line inventory, including information on ownership, inventory format, and the number of service lines for each of the four required materials classifications.

Part 1. General Information		
Initial Inventory	Inventory Update	Initial Inventory
owns the service lines	If other, please explain below.	Ownership is split, meaning that the system owns and portion and the customer owns a portion
If yes, please describe below and explain where ownership is split (e.g., property line, curb stop).		Yes
Ownership is split at the meter that is generally between the road and the building.		
It was assumed that the service lines were installed with the building was constructed. No replacement records were available.		
No State or local ordinance banning the use to lead was found. The District adopted design standards in 1970 that specified cooper or brass service lines and connection fitting are required.		
		No
i.e.		
The District has a high confidence that no lead existing in the system. This is based on decades of institutional knowledge in performing maintenance on the system and an aggressive meter inspection program implemented for the LCRR.		

Part 2. Inventory Format	
e.g.	Detailed Inventory
q	q q q
The inventory presented in the Detailed Inventory represents all customer service lines currently in the District. Non-lead designations were determined based on year of construction, visual inspections which were documented with photographs, and the designated assumption that if 20% of a development area was inspected and no lead was found, it could be assumed the entire development area was lead free.	

Part 3. Inventory Summary Table ¹		
If you are using the worksheet, the classifications you select in the Column "Entire Service Line Material Classification" (Column X) will be used to calculate the total number of service lines for each of the four material classifications below. Otherwise, enter the number of service lines in the aqua-colored cells.		
q q qq	q	
Service Line Material Classification	Definition	Total Number of Service Lines (REQUIRED to be reported under the LCRR)
Lead		
Galvanized Requiring Replacement (GRR)		
Non-Lead		
Lead Status Unknown		
TOTAL		
Classifying SLs		



Detailed Inventory

Date Last Updated:	10/15/2024
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10/15/2024

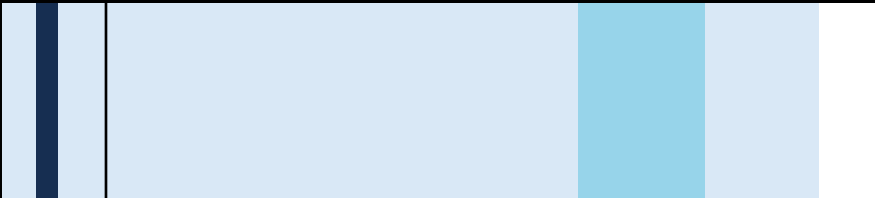
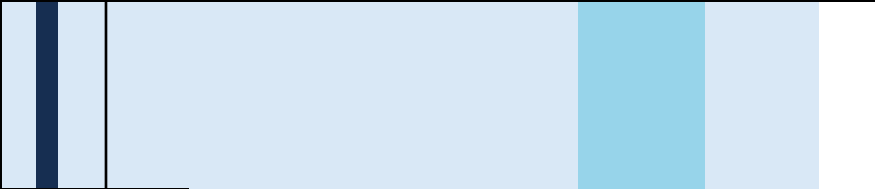
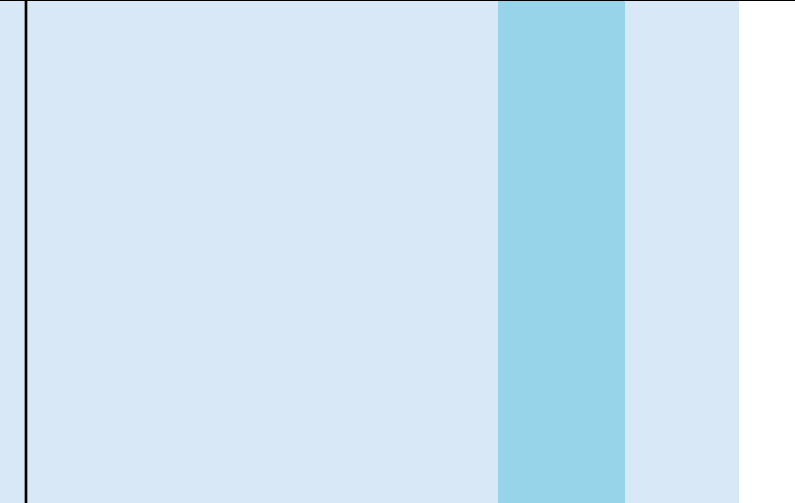
Purpose of this worksheet:

General instructions:

Template Instructions

[illegible]

	Other Potential Sources of Lead
	Is there a Lead Connector?



[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

Location Information		System-Owned Portion							Customer-Owned Portion							Enter the Date of Field Verification	Other Potential Sources of Lead
Unique Service Line ID	Location Identifier Street Address	System-Owned Portion Service Line Material Classification	If Non-Lead in Column G, Was Material Ever Previously Lead?	Service Line Installation Date	Service Line Size	Basis of Material Classification	Was the Service Line Material Field Verified?	If "Yes" Service Line Material Was Field Verified: Describe the Field Verification	Customer-Owned Portion Service Line Material Classification	Service Line Installation Date	Service Line Size	Basis of Material Classification	Was the Service Line Material Field Verified?	If "Yes" Service Line Material Was Field Verified: Describe the Field Verification	Enter the Date of Field Verification		Is there a Lead Connector?

[illegible]

Location Information		System-Owned Portion								Customer-Owned Portion								Entire Service Line Material Classification	Other Potential Sources of Lead							
Unique Service Line ID	Location Identifier Street Address	System-Owned Portion Service Line Material Classification	If Non-Lead in Column G, Was Material Ever Previously Lead?	Service Line Installation Date	Service Line Size	Basis of Material Classification	Was the Service Line Material Field Verified?	If "Yes" Service Line Material Was Field Verified:		Customer-Owned Portion Service Line Material Classification	Service Line Installation Date	Service Line Size	Basis of Material Classification	Was the Service Line Material Field Verified?	If "Yes" Service Line Material Was Field Verified:											
								Describe the Field Verification	Enter the Date of Field Verification						Describe the Field Verification	Enter the Date of Field Verification		Is there a Lead Connector?								

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

Location Information		System-Owned Portion				Customer-Owned Portion							Other Potential Sources of Lead
	Location Identifier Street Address	If "Yes" Service Line Material Was Field Verified: Describe the Field Verification Enter the Date of Field Verification				Service Line Installation Date	Service Line Size	Basis of Material Classification	Was the Service Line Material Field Verified?	Describe the Field Verification	Enter the Date of Field Verification		Is there a Lead Connector?

[illegible]

Purpose of this worksheet:

<div><input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/></div>	
<i>every service line</i>	
	<i>must</i>
<div><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/></div>	