

# PWS Information

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

## Facility Information

Water System Name:

**PANORAMIC HEIGHTS**

PWSID:	Population Served (number of people):	Number of Service Connections:	PWS Type:
<b>02890F</b>	<b>47</b>	<b>18</b>	<input checked="" type="checkbox"/> CWS <input type="checkbox"/> NTCWS

If you are a CWS, do multi-family residences comprise at least 20% of the structures you serve? *Select "Yes" or "No"*

## Mailing Address

Street or P.O. Box:

**PO BOX 1000**

City or Town:	State:	Zip Code:
<b>CARLSBORG</b>	<b>WA</b>	<b>98324</b>

## System Contact Person

Name:	Title:
<b>BOWEN KENDRICK</b>	<b>WATER &amp; WASTEWATER SYSTEMS MANAGER</b>
Telephone:	Email:
<b>360.565.3459</b>	<a href="mailto:BKENDRICK@CLALLAMPUD.NET">BKENDRICK@CLALLAMPUD.NET</a>

Person Who Prepared Inventory (if different from above)

# Inventory Methodology

PWS Name: PANORAMIC HEIGHTS

PWSID: 02890F

Enter Date Last Updated: **07/23/24**

**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>	LOCATIONS OF PREVIOUS LCR SAMPLING - MEDIUM
2. Construction Records and Plumbing Codes <i>Examples: Local ordinance adopting an international plumbing code. Permits for replacing lead service lines.</i>	1986 SAFE DRINKING WATER ACT LEAD SERVICE BAN, LOCATIONS CONSTRUCTED & CONNECTED AFTER THE LEAD BAN ARE ASSUMED NON-LEAD - HIGH CONFIDENCE.
3. Water System Records <i>Examples: Capital improvement plans. Standard operating procedures. Engineering standards.</i>	CPUD GENERAL SPECIFICATIONS, LUD FORMATION DOCUMENTS - HIGH CONFIDENCE.
4. Distribution System Inspections and Records <i>Examples: Distribution system maps. Tap cards. Service line repair/replacement records. Inspection records. Meter installation records.</i>	COMPLETED SERVICE ORDERS, SERVICE AS-BUILTS (METER INSTALLATION RECORDS) - HIGH CONFIDENCE
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<br><input checked="" type="checkbox"/> Water meter repair or replacement<br><input checked="" type="checkbox"/> Service line repair or replacement | <input checked="" type="checkbox"/> Water main repair or replacement<br><input type="checkbox"/> Backflow prevention device inspection<br><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? No

If "Yes", please describe:

**No formal revision to SOP - operators are encouraged to note service line material when possible in service order notes.**

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

Water Quality sampling - Sequential

If "Other", please explain:

Statistical Approach utilized for evaluation of unknown service lines in accordance with WA DOH Guidance Document 331-723.

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?

9 service locations were identified with construction dates prior to the SDWA Lead Ban and initially classified as unknown. These locations were randomized and 2 were physically inspected to ensure a confidence level of 95% in accordance with WA DOH Guidance Document 331-723. Locations were then classified as non-lead in accordance with statistical approach.

# Inventory Summary

PWS Name: PANORAMIC HEIGHTS

PWSID: 02890F

Enter Date Last Updated: **07/23/24**

**Purpose of this worksheet:** 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

1. Is this the <b>Initial Inventory</b> or an <b>Inventory Update</b> ?	<i>Initial Inventory</i>
2a. Who <b>owns the service lines</b> in your system? <i>If other, please explain below.</i>	<i>Ownership is split, meaning that the system owns and portion and the customer owns a portion</i>
2b. Is there documentation that defines service line ownership in your system, such as a local ordinance? <i>If yes, please describe below and explain where ownership is split (e.g., property line, curb stop).</i>	Yes
<b>System owns service line from water main to water meter/setter. Customer owns service line from water meter box to building. Detailed in the CPUD General Specifications.</b>	
3a. Describe when lead service lines were generally installed in your system.	N/A
3b. When were lead service lines banned in your system? Reference the state or local ordinance that banned the use of lead in your system.	SDWA 1986
4. Do you have lead goosenecks, pigtails or connectors in your system?	No
5. What is your overall level of confidence in the inventory ( <i>i.e.</i> , "Low", "Medium", or "High.") Please explain your rationale below.	
<b>High - No records of lead services lines, most of system and most structures build after 1986 SDWA Lead ban. Statistical Approach utilized for inventory, no lead identified in service line survey.</b>	

## Part 2. Inventory Format

Describe your inventory format in the space provided below (*e.g.* , the **Detailed Inventory** worksheet, custom spreadsheet, GIS map). Provide the filename and/or web address if applicable. **Note that the state may require you to submit your detailed inventory of each service line in your distribution system.**

Detailed inventory worksheet.

## Part 3. Inventory Summary Table <sup>1</sup>

*If you are using the **Detailed Inventory** 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. Remember this is the classification for the entire service line.*

Service Line Material Classification	Definition	Total Number of Service Lines (REQUIRED to be reported under the LCRR)
<b>Lead</b>	Any portion of the service line is known to be made of lead. <sup>2</sup>	0
<b>Galvanized Requiring Replacement (GRR)</b>	The service line is not made of lead, but a portion is galvanized and the system is unable to demonstrate that the galvanized line was never downstream of a lead service line.	0
<b>Non-Lead</b>	All portions of the service line are known NOT to be lead or GRR through an evidence-based record, method, or technique.	18
<b>Lead Status Unknown</b>	The service line material is not known to be lead or GRR. For the entire service line or a portion of it (in cases of split ownership), there is not enough evidence to support material classification.	0
<b>TOTAL</b>		18

Notes

<sup>1</sup>This summary table is for reporting material for the entire service line connecting the water main to the customer's plumbing. See the **Classifying SLs** worksheet for additional guidance on assigning a materials classification to the entire service line when ownership is split. Remember that systems must track the system-owned and customer-owned portions separately in their inventory.

<sup>2</sup>A lead-lined galvanized service line is consistent with the definition of an LSL under the LCRR ("a portion of pipe that is made of lead, which connects the water main to the building inlet") (40 CFR §141.2) and must therefore be classified in the inventory as an LSL. Do NOT, however, count non-lead service lines with a lead gooseneck or pigtail as lead service lines unless required by your state.

