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: | | | | | | | | | | | |
| 02890F | 47 | 18 | B CWS NTNCWS | | | | | | | | | | | |
| If you are a CWS, do multi-family resid | dences comprise at least 20% of the stru | uctures you serve? | Select "Yes" or "No" | | | | | | | | | | | |
| Mailing Address | | | | | | | | | | | | | | |
| Street or P.O. Box: | | | | | | | | | | | | | | |
| PO BOX 1000 | | | | | | | | | | | | | | |
| City or Town: | | State: | Zip Code: | | | | | | | | | | | |
| CARLSBORG | | WA | 98324 | | | | | | | | | | | |
| System Contact Person | | • | | | | | | | | | | | | |
| Name: | | Title: | | | | | | | | | | | | |
| BOWEN KENDRICK | | WATER & WASTEWATER SYSTEMS N | 98324 R & WASTEWATER SYSTEMS MANAGER | | | | | | | | | | | |
| Telephone: | | Email: | | | | | | | | | | | | |
| 360.565.3459 | | BKENDRICK@CLALLAMPUD.NET | | | | | | | | | | | | |
| Person Who Prepared Inventory (if d | ifferent 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 do | ocument 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) |
| Previous Materials Evaluation Example: Locations of Tier 1 lead tap sampling locations that are served by a lead service line. | LOCATIONS OF PREVIOUS LCR SAMPLING - MEDUIM |
| 2. Construction Records and Plumbing Codes Examples: Local ordinance adopting an international plumbing code. Permits for replacing lead service lines. | 1986 SAFE DRINKING WATER ACT LEAD SERVICE BAN, LOCATIONS CONSTRUCTED & CONNECTED AFTER THE LEAD BAN ARE ASSUMED NON-LEAD - HIGH CONFIDENCE. |
| Water System Records Examples: Capital improvement plans. Standard operating procedures. Engineering standards. | CPUD GENERAL SPECIFICATIONS, LUD FORMATION DOCUMENTS - HIGH CONFIDENCE. |
| 4. Distribution System Inspections and Records Examples: Distribution system maps. Tap cards. Service line repair/replacement records. Inspection records. Meter installation records. | COMPLETED SERVICE ORDERS, SERVICE AS-BUILTS (METER INSTALLATION RECORDS) - HIGH CONFIDENCE |
| 5. Additional Records Required by Your State | |
| 6. Other Records | |
| | N 10 " |
| Part 2: Identifying Service Line Material During 1. During which normal operating activities are you. | collecting information on service line material? Check all that apply. |
| Water meter reading ✓ Water meter repair or replacement ✓ Service line repair or replacement | ✓ Water main repair or replacement ☐ Backflow prevention device inspection ☐ Other |
| ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | |
| Did you develop or revise standard operating pro during normal operation? If "Yes", please describe: | cedures to collect service line material information No |
| | ged to note service line material when possible in service order notes. |
| Part 3: Service Line Investigations | |
| 1. Identify the service line investigation methods yo not specified by the state under 40 CFR §141.84(a)(| ur system used to prepare the inventory (check all that apply). If a water system chooses an investigation method 3)(iv), state approval is required. <i>Note that investigations are not required by the LCRR but can be used by d gather information when service line material is unknown.</i> |
| | Water Quality Sampling - Other ✓ Mechanical Excavation Vacuum Excavation Predictive Modeling ✓ Other |

| ☐ Water Quality sampling - Sequential |
|--|
| If "Other", please explain: |
| Statistical Approach utilized for evaluation of uknown 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 Initial Inventory or an Inventory Update? | Initial Inventory | | | | | |
| 2a. Who owns the service lines in your system? <i>If other, please explain below.</i> | Ownership is split, meaning that the system owns and portion and the | | | | | |
| 2a. Who owns the service lines in your system: If other, please explain below. | customer owns a portion | | | | | |
| | | | | | | |
| 2b. Is there documentation that defines service line ownership in your system, | Yes | | | | | |
| such as a local ordinance? If yes, please describe below and explain where | | | | | | |
| ownership is split (e.g., property line, curb stop). | | | | | | |

System ownes 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.

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?

5. What is your overall level of confidence in the inventory (i.e., "Low", "Medium", or "High.") Please explain your rationale below.

High - No records of lead services lines, most of system and most structures build after 1986 SDWA Lead ban. Statistical Approach utilzied for inventory, no lead identified in service line survey.

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 1

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 aquacolored 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) | | | | |
|---|--|--|--|--|--|--|
| Lead | Any portion of the service line is known to be made of lead. ² | 0 | | | | |
| Galvanized Requiring Replacement (GRR) | 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 | | | | |
| Non-Lead | All portions of the service line are known NOT to be lead or GRR through an evidence-based record, method, or technique. | 18 | | | | |
| Lead Status Unknown | 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 | | | | |
| | TOTAL | 18 | | | | |

¹ 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.

² 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.

| Location Information | | | | | | | | System-Owned Por | rtion | | | | | Customer-C | | | | Other Pot | ential Sources | oflead | Additional Information to Assign Tap Monitoring Tiering | | | | Lead Service Line Replacement | | | | | | |
|------------------------------------|---|--|--|--|--|--|--|------------------------|--|---|--|---|--|---|---|---|--|---|--|---|--|---|--|---|---|---------------|--|--|---|----|-------------------------------|
| Unique Si Line I | Loc Street Addres | ation Identifier SERVICE LOCATION # | Sensitive Population? (Yes/No) | Disadvantaged Neighborhood? (Yes/No) | System-Owned Portion Service Line Material Classification | If Non-Lead in Column G, Was Material Ever Previously Lead? | Service Line Installation Date | Service Line e Size | Basis of Material Classification | Was the Service Line Material Field Verified? | If "Yes" Service Line Mate Describe the Field Verification Method | erial Was Field Verified: Enter the Date of Field Verification | Notes | 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 Mate Describe the Field Verification Method | rial Was Field Verified: Enter the Date of Field Verification | Notes | Entire Service Line Material Classification | is there a Lead Connector? | is there Lead Solder in the Service Line? | Describe Other Fittings and Equipment Connected to the Service Line that Contain Lead | | Point-of-Entry or Point- of-Use Treatment | Does the Interior Building Plumbing Contain Copper Pipes with Lead Current | | | te of Customer- owned LSLR |
| A Unique recommen each servi | in their internal inv version, location ids polyonized requirie not use addresses; t line. aptions could incl | track addresses of all service lines endory. For the publicly accessible retifiers are required for lead and g replacement. If the system does for their location identifier, other ade GFS coordinates, landmark, other details to specify service line locations. | Select Yes if sensitive subpopulation, e.g., day care, school, multifamily home. If | Does location meet state affordability guidelines or other measures? | Dropdown list includes recommended subclassifications. If "Non-Lead Other", describe in Notes field | Select Yes, No, or Don't know. Important for determining if downstream/customer- owned galvanized service line requires replacement | estimated date range when the service line was | Diameter in | Select option from drop down list. If "Other," describe in the Notes field | Select Yes or No | Select option from drop down list. If "Other," describe in the Notes field | Enter approximate date of field verification or date that the record was updated | Can use this field for documenting additional relevant information, including when classification changes. | Dropdown list includes recommended subclassifications: If non-lead other, describe in Notes field. | Date, year, or estimated date range when the service line was installed or replaced | Diameter in inches | Select option from drop down list. If "Other," describe in the Notes field | Select Yes or No | Select option from drop down list. If "Other," describe in the Notes field | Enter approximate date of field verification or date that record was updated | Can use this field for documenting additional relevant information, including when classification changes. | Dropdown list includes four required service line classifications of Lead, Non- lead, Galvanized Requiring Replacement, or Unknown | For example, lead gooseneck or pigtail where the water main is connected to the service line | Select Yes, No, or Dan't Know | For example, backflow preventer or meter containing lead | Note: This is | formation may be helpful | for identifying lead top monitoring locations. | | | |
| PH-1 | 241 E PANORAM | ALN 10951 | No | No | Non-Lead - Copper | | 7/19/1974 | <2-inch | Field inspection only with no records | Yes | Mechanical Excavation at multiple locations | 5/20/2024 | LOCATE #24200427 customer side is Poly. | Non-Lead - Plastic | 7/19/1974 | <2-inch | Field inspection only with no records | Yes | Mechanical excavation at multiple locations | 5/20/2024 | LOCATE #24200427 customer side is Poly. | Non-Lead | | | | | | | | | |
| PH-2 | 202 E ELDERBERR | YLN 10949 | No | No | Non-Lead - Plastic | | 2/21/1986 | <2-inch | Field inspection only with no records | Yes | Mechanical Excavation at multiple locations | 5/20/2024 | LOCATE #24200350 brass on customer side. Poly on PUD side. | Non-Lead - Other | 2/21/1986 | <2-inch | Field inspection only with no records | Yes | Mechanical excavation at multiple locations | 5/20/2024 | LOCATE #24200350 brass on customer side. Poly on PUD side. | | | | | | | | | | |
| PH-3 | 207 E ELDERBERS | YLN 10965 | No | No | Non-Lead - Other | | 6/13/1966 | <2-inch | Other | No | | | STATISTICAL PER WA DOH | Non-Lead - Other | 6/13/1966 | <2-inch | Other | No | | | STATISTICAL PER WA DOH | Non-Lead | | | | | | | | | |
| PH-4 | 113 E ELDERBERS | YLN 10947 | No | No | Non-Lead - Other | | 9/9/1966 | <2-inch | Other | No | | | STATISTICAL PER WA DOH | Non-Lead - Other | 9/9/1966 | <2-inch | Other | No | | | STATISTICAL PER WA DOH | Non-Lead | | | | | | | | | |
| PH-S | 5612 S HOLLY | ST 10950 | No | No | Non-Lead - Other | | 7/7/1967 | <2-inch | Other | No | | | STATISTICAL PER WA DOH | Non-Lead - Other | 7/7/1967 | <2-inch | Other | No | | | STATISTICAL PER WA DOH | Non-Lead | | | | | | | | | |
| PH-6 | 215 E ELDERBERS | YLN 10964 | No | No | Non-Lead - Other | | 7/21/1967 | <2-inch | Other | No | | | STATISTICAL PER WA DOH | Non-Lead - Other | 7/21/1967 | <2-inch | Other | No | | | STATISTICAL PER WA DOH | Non-Lead | | | | | | | | | |
| PH-3 | 217 E PANORAM | A LN 10954 | No | No | Non-Lead - Other | | 10/2/2014 | <2-inch | Installation date after lead ban | No | | | INSTALLATION DATE AFTER LEAD BAN | Non-Lead - Other | 10/2/2014 | <2-inch | Installation date after lead ban | No | | | INSTALLATION DATE AFTER LEAD BAN | Non-Lead | | | | | | | | | |
| PH-8 | 114 E ELDERBERS | YLN 10948 | No | No | Non-Lead - Other | | 10/23/1973 | <2-inch | Other | No | | | STATISTICAL PER WA DOH | Non-Lead - Other | 10/23/1973 | <2-inch | Other | No | | | STATISTICAL PER WA DOH | Non-Lead | | | | | | | | | |
| PH-S | 5732 S PASTORA | L DR 10956 | No | No | Non-Lead - Other | | 12/2/1975 | <2-inch | Other | No | | | STATISTICAL PER WA DOH | Non-Lead - Other | 12/2/1975 | <2-inch | Other | No | | | STATISTICAL PER WA DOH | Non-Lead | | | | | | | | | |
| PH-1 | 225 E PANORAM | ALN 10953 | No | No | Non-Lead - Other | | 12/18/1978 | <2-inch | Other | No | | | STATISTICAL PER WA DOH 331-723 | Non-Lead - Other | 12/18/1978 | <2-inch | Other | No | | | STATISTICAL PER WA DOH 331-723 | Non-Lead | | | | | | | | | |
| PH-1 | 211 E PANORAM | A LN 10955 | No | No | Non-Lead - Other | | 3/3/1987 | <2-inch | Installation date after lead | No | | | INSTALLATION DATE AFTER LEAD BAN | Non-Lead - Other | 3/3/1987 | <2-inch | Installation date after lead | No | | | INSTALLATION DATE AFTER LEAD BAN | Non-Lead | | | | | | | | | |
| PH-1 | 5715 S PASTORA | L DR 10960 | No | No | Non-Lead - Other | | 8/24/1988 | <2-inch | Installation date after lead | No | | | INSTALLATION DATE AFTER LEAD BAN | Non-Lead - Other | 8/24/1988 | <2-inch | Installation date after lead | No | | | INSTALLATION DATE AFTER LEAD BAN | Non-Lead | | | | | | | | | |
| PH-1 | 121 E ELDERBERS | YLN 10946 | No | No | Non-Lead - Other | | 8/1/1989 | <2-inch | Installation date after lead | No | | | INSTALLATION DATE AFTER LEAD BAN | Non-Lead - Other | 8/1/1989 | <2-inch | Installation date after lead | No | | | INSTALLATION DATE AFTER LEAD BAN | Non-Lead | | | | | | | | | |
| PH-1 | 223 E ELDERBERS | YLN 10963 | No | No | Non-Lead - Other | | 2/26/1993 | <2-inch | Installation date after lead | No | | | INSTALLATION DATE AFTER LEAD BAN | Non-Lead - Other | 2/26/1993 | <2-inch | Installation date after lead | No | | | INSTALLATION DATE | Non-Lead | | | | | | | | | |
| PH-1 | 5737 S PASTORA | L DR 10958 | No | No | Non-Lead - Other | | 8/2/1995 | <2-inch | Installation date after lead | No | | | INSTALLATION DATE | Non-Lead - Other | 8/2/1995 | <2-inch | Installation date after lead | No | | | INSTALLATION DATE | Non-Lead | | | | | | | - | - | |
| PH-1 | 5733 S PASTORA | | No | No | Non-Lead - Other | | 2/29/1996 | <2-inch | ban Installation date after lead | No | | | AFTER LEAD BAN INSTALLATION DATE | Non-Lead - Other | 2/29/1996 | <2-inch | Installation date after lead | No | | | AFTER LEAD BAN INSTALLATION DATE | Non-Lead | | | | | | | | - | |
| PH-1 | _ | | No | No | Non-Lead - Other | | 7/19/1996 | <2-inch | ban Installation date after lead | Mo | | | AFTER LEAD BAN INSTALLATION DATE | Non-Lead - Other | 7/19/1996 | <2-inch | ban Installation date after lead | No | | | AFTER LEAD BAN INSTALLATION DATE | Maniand | | | | | | | - | -+ | |
| PH-1 | _ | | | | | | 9/23/1996 | | ban Installation date after lead | | | | AFTER LEAD BAN INSTALLATION DATE | | 9/23/1996 | <2-inch | ban Installation date after lead | .40 | | | AFTER LEAD BAN INSTALLATION DATE | | | | | | | | - | - | |
| PH-1 | 233 E PANORAM | ALN 10952 | No | No | Non-Lead - Other | | 9/23/1996 | <2-inch | ban | No | | | AFTER LEAD BAN | Non-Lead - Other | 9/23/1996 | <z-inch< td=""><td>ban</td><td>No</td><td></td><td></td><td>AFTER LEAD BAN</td><td>Non-Lead</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></z-inch<> | ban | No | | | AFTER LEAD BAN | Non-Lead | | | | | | | | | |