

Appendix A – Data Collection Instrument

ICR Control Number: 2616.02
EPA ICR Number: 2040-NEW
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Burden Statement: There were 2,181 medium community water systems, 708 large systems and 35 NFPNCWs serving 10,000 or more people in the 2021 DWINSA sample. Across these system categories there is no substantive difference in the process or data collection instrument being used for the one-time LSL update and it is assumed that burden will be the same across these categories. EPA will conduct data collection for the 606 small CWSs serving 3,300 and fewer persons and 99 NFPNCWs serving fewer than 10,000 persons. It is assumed that since these systems generally have fewer lines that the burden will be slightly less than for medium and large systems. EPA will email the surveys to the small systems.

The following pages present the state data collection instrument.

Lead Service Line Questions For America's Water Infrastructure Act

Background

This is a revised questionnaire for the one-time update to the information collected in 2021. America's Water Infrastructure Act of 2018 amended the federal Safe Drinking Water Act to require an assessment of the cost of replacement of all lead service lines of all public water systems in the United States that are eligible to use Drinking Water State Revolving Funds. To meet this mandate, all public water systems participating in the Seventh Drinking Water Infrastructure Needs Survey and Assessment (DWINSA) are asked to provide information on the number of service lines they have and what is known about the construction materials of the service lines and service line connectors. EPA understands that the construction material of all service lines and connectors might not be known. This inventory is a baseline effort to collect information on lead service lines in public water systems, it is not a comprehensive assessment of all potential sources of lead in drinking water. Other potential sources of lead, such as brass or bronze valves or fittings that contain lead, may be included in future data collection efforts.

Lead Service Line Questions For America's Water Infrastructure Act

Row Descriptions:

Service Lines That Contain Lead Pipe

Row 1 is for service lines that the system has reason to believe or knows contain any lead pipe. This includes situations where system records or studies indicate that a portion of the service line is lead pipe and the remainder is a different material (such as galvanized pipe or copper pipe); or when records indicate the entire service line is lead pipe; or when records indicate that there is reason to believe the service line is lead pipe. If the only lead material between the main and the building is in the connector (e.g., gooseneck, pigtail), include that service line in Row 2.

Service Lines That Do Not Contain Any Lead Pipe But Have Lead Connectors

Row 2 is for service lines that do not contain any segments of lead pipe but the system has reason to believe or knows have lead connectors. For example, galvanized iron, copper or plastic service lines that are currently downstream of a lead connector such as a gooseneck or pigtail. If there is lead pipe and the connector is lead, include that service line under Row 1.

Service Lines That Contain Galvanized Pipe

Row 3a is for service lines that have any galvanized pipe that the system knows or has reason to believe were previously downstream from a lead pipe or connector or other source of lead that has been removed. For example, there could be system records that the lead pipe portion of the service line between the main and curb stop was removed, but the galvanized segment of the service line remains in place. If the galvanized pipe is currently downstream from a lead pipe or lead connector, report the service line in Row 1.

Row 3b is for service lines that have any galvanized pipe that the system knows or has reason to believe have never been downstream from any lead service line segment or lead connector.

Other Service Lines and Service Lines of Unknown Material

Row 4a is for service lines for which the pipe material is known and that do not have lead pipe, lead connectors, or galvanized pipe that is currently or previously downstream from a lead pipe or lead connector. This row captures the number of service lines and their connectors that are made of other materials, such as copper or plastic pipe.

Row 4b is for service lines for which the material makeup of the service line and of the connector is not known.

Total Number of Service Lines: The total of the numbers in this row should equal the total number of service lines in the system.

LEAD SERVICE LINE TABLE

For each row, include those service lines that most likely fit the description, to best of your knowledge. Please record the number of service lines and count each service line only once. A service line is the full service line from the main to the building (system owned + customer owned portions). A service line may be partially owned by the water system, the customer, or both and ownership should not be factored into your response. The total number of service lines reported should be equal to the number of service connections in the system.

	Number of Service Lines
Service Lines That Contain Lead Pipe	
Row 1. Service lines that contain any lead pipe.	216
Service Lines That Contain Lead Connectors	
Row 2. Service lines that do not contain any lead pipe but have lead connectors (such as goosenecks or pigtails).	25
Service Lines That Contain Galvanized Pipe	
Row 3a. Service lines that contain galvanized pipe and were <u>previously</u> downstream from a lead pipe, connector, or unknown source of lead that was removed from the service line.	59
Row 3b. Service lines that contain galvanized pipe that have <u>never been</u> downstream from any lead pipe or lead connector in the service line.	7
Other Service Lines of Known Material	
Row 4a. Service lines that do not contain any lead pipe or galvanized pipe and that do not have lead connectors.	1661
Service Lines of Unknown Materials	
Row 4b. Service lines for which the material makeup of the service line and of the connector are not known.	14
Total Number of Service Lines by Column	Number: 1982