

Methodology for Completing Lead Service Line Inventory

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Submitted On: 2/20/24

Methodology

The assessment defines “water service” to include the tap from the water main up to the point the water service enters the house. It does differentiate between what is the utility owned portion of the water service (in the case of HMR from the tap to the discharge of the meter pit) and the customer owned portion (discharge of meter pit to the house).

Phase I and Phase II infrastructure replaced all the water mains, services, and meter pits in the water system. Phase I was completed in 2019/2020 and Phase II was completed in 2021. We know that the water services were replaced up to the meter pit with HDPE and have all the records indicating so.

We targeted any homes constructed before 1986 as possibly having lead present. This is because in 1986, the Safe Drinking Water Act banned the use of lead service pipe and lead solder used for copper plumbing. Utilizing Sublette County’s GIS, we utilized the oldest aerial map to identify any homes that were constructed before 1986. Unfortunately, the oldest map was 1955 which was too old for our use and the next map was 1994. The 1994 map was used to create a list of all homes present at that time. The list of addresses (20) is as follows:

- 111 Merrimac (No records) – Phase 1 - 2020
- 15 Arapaho (No records) – Phase 3
- 53 North Shoshone (1985) – Phase 1 - 2020
- 34 North Shoshone (1983) – Phase 3
- 150 Meadowlark (No records) – Phase 1 - 2020
- 7 Oriole Lane (2008) - Phase 1 - 2020
- 11 Bob-o-link (1974) - Phase 1 - 2020
- 15 Bob-o-link (1979) - Phase 1 - 2020
- 6 Lark Circle (1974) - Phase 1 - 2020
- 4 Lark Circle (1973) - Phase 1 - 2020
- 161 Meadowlark (1974) - Phase 1 - 2020
- 160 Meadowlark (1973) - Phase 1 - 2020
- 173 Meadowlark (2009) - Phase 1 - 2020
- 154 Meadowlark (1975) - Phase 1 - 2020
- 171 Meadowlark (2002) - Phase 1 - 2020
- 10 Oriole (1976) - Phase 1 - 2020
- 14 Oriole (2005) - Phase 1 - 2020
- 28 Bob-o-link (1978) - Phase 1 - 2020
- 26 Bob-o-link (2018) - Phase 1 - 2020
- 39 Bob-o-link (1989) - Phase 1 – 2020

These addresses were cross referenced with Sublette County's Planning and Zoning records to attempt to identify when the structure was built. The date in parentheses represents the dates from any planning and zoning records. Any records prior to 1986 or that have a record/permit after 1994 (since the aerial was from 1994, any permit issued after that date could not have been for the original structure existing in 1994) were treated as unknown and a potential for lead on the customer side of the service line.

The remaining addresses were cross-referenced to ensure they are an actual customer tied to the HMR Water District.

Lastly the remaining addresses were field checked to make sure a home still exists and was not removed or demolished.

15 Arapaho and 34 N. Shoshone are the only two addresses that have a potential for lead on both the District's portion of the water service and the customer portion since it is part of the Phase 3 infrastructure replacement scheduled for replacement in the summer of 2024. Once it is replaced, all District owned portions of water services are known to be non-lead.

12 Oriole was listed as one of the homes from the 1994 aerial map but due to the permit being issued in 1991, well past 1986, it was not included in the list of potential lead service lines.

29 Bob O Link was listed as one of the homes from the 1994 aerial map but no longer has a home on the lot so it was not included in the list of potential lead service lines.

149 Meadowlark was listed but was the old well house owned by the District that was sold once it was decommissioned.