\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**PWS ID (7 digits) System Name**

*I hereby certify that all information contained in this Materials Inventory and Site Validation worksheet and Sample Site Plan are true and accurate. I further certify that each customer listed has agreed to participate in this Lead & Copper Monitoring Program and has been trained in the “Homeowner Lead/Copper Sample Collection Procedures” provided by the Mississippi State Department of Health (MSDH).*

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

*Type/Print Name of Individual Completing Plan*

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

*Signature of Individual Completing Plan Date Signed*

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

*Phone Number email address*

### INSTRUCTIONS

Samples must be collected at locations where the highest lead levels are likely to be found. A “Tiering System” has been established to help prioritize your sample sites. The box below defines the tiering system for prioritizing sample sites.

### TIERS FOR COMMUNITY WATER SYSTEMS

**TIER 1** sampling sites are single family structures:

* containing copper pipes with lead solder installed **after 1982** OR
* containing lead pipes OR
* served by a lead service line

**TIER 2** sampling sites consist of buildings, including multiple family residences:

* containing copper pipes with lead solder installed **after 1982** OR
* containing lead pipes OR
* served by a lead service line

Note: When multiple family residences comprise at least 20% of the structures served by a water system, they may be counted as Tier 1 sites. Should this apply to your system, please indicate this on your plan.

**TIER 3** sampling sites are single family structures containing copper pipes with lead solder installed **before 1983**.

**OTHER**: If your system does not have enough Tier 1, 2, and 3 Sites to fill up its site plan, then you must use representative sites to complete your plan.

### INSTRUCTIONS for Lead & Copper worksheet and Sample Site Plan *(continued)*

To identify enough sites that meet these criteria, you should survey all records documenting the materials used to construct and repair your distribution system and buildings connected to your distribution system.

The minimum number of lead and copper tap samples you must collect depends upon your system size (population) and what monitoring schedule you are on (standard or reduced). During each monitoring event, MSDH will specify the minimum number of samples that must to be collected.

**System Size (Pop.) # Samples Standard Monitoring**

Over 100,000 100

10,001-100,000 60

3,301-10,000 40

501-3,300 20

* 1. 10

Less than 100 5

Using the Tiering criteria and the chart above, you are now ready to identify those sites at which lead and copper sampling will be conducted. Once monitoring begins, you must use the same sites, unless a site is no longer accessible to you or no longer fits the requirements of a tier**. It is therefore recommended that you identify more sampling sites than the minimum number required.** For example, if your system serves a population of 10,000, you must identify a **minimum** of 40 sample sites, but to ensure adequate coverage in case a sample site becomes inaccessible, you should identify at least 70-80 sites.

**If your system contains lead service lines, at least half of the required number of sample sites must be served by a lead service line.** If you are not able to collect at least half of your samples from taps served by lead service lines, you must collect a sample from each site that *is* served by a lead service line.

If possible, all sites in your monitoring plan should fall into the **Tier 1 category**. If you are unable to collect all your samples from Tier 1 sites, you should complete your sampling pool with Tier 2 sites. If a sufficient number of Tier 1 and Tier 2 sites do not exist, complete your sampling pool with Tier 3 sites. If you have no Tier 1, Tier 2, or Tier 3 sites, you must fill your site plan and monitor using Other Representative sites.

If you are unable to complete your site plan please contact MSDH (601) 928-5293 or (601) 576-7518.

**Materials Inventory & Site Validation:**

This portion of the packet is to be used to report the construction materials exposed to the drinking water in your public water supply to MSDH that could contribute to Lead and Copper Rule non-compliance. Please check each box indicating the type of construction materials present in your distribution system, including those suspected in the home plumbing of your customers. If the system has an estimated known amount existing in the distribution, note that amount. Return the report to the attention of Hunter Ladner at the address below. **Keep a copy for your records.**

Mail to

Mississippi State Department of Health

Attn: Hunter Ladner

P. O. Box 1700

Jackson MS 39215-1700

Email to

[Water.Reports@msdh.ms.gov](mailto:Water.Reports@msdh.ms.gov) or Nicholas.Ladner@msdh.ms.gov

Fax to

(601) 576-7822 or (601) 928-6450

# Lead & Copper Sample Plan

# Materials Inventory and Site Validation

|  |  |  |
| --- | --- | --- |
| **Public Water System Name:** | **System PWS ID:** |  |

Does the distribution system piping contain any of the following:

|  |  |
| --- | --- |
| Does your PWS have the following in its distribution?  (√ check all that apply\*) | Estimated Amount (miles,  feet or connections affected? |
| □ Lead pipe, piping with lead-lined interior, or lead joint pipe in the distribution mains |  |
| □ Lead service lines (water main to building) on either side of meter |  |
| □ Lead goosenecks/pigtails |  |
| □ Lead from solder, caulking, alloys and home plumbing |  |
| □ Constructed AFTER 1982 |  |
| □ Constructed BEFORE 1983 |  |
| □ Copper from piping and alloys, service lines and home plumbing |  |

\* If you cannot confirm the presence of any of the aforementioned materials, please explain:

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Does the water system serve any connections that qualify as: (√ check all that apply)

|  |  |  |
| --- | --- | --- |
| * Yes | * No | Tier 1 Sites |
| * Yes | * No | Tier 2 Sites |
| * Yes | * No | Tier 3 Sites |
| * Yes | * No | Other Sites |

When sample site designations were recently verified as Tier 1, Tier 2, Tier 3, or Other (Representative), the following methods were used to determine the designations: (√ check all that apply):

|  |  |
| --- | --- |
| * Building/plumbing records | * Statement from former water system personnel |
| * On-site inspection of plumbing and/or meter box | * Original records from initial monitoring/site plan |
| * Statement from homeowner | * Period pre-1986 local plumbing codes |
| * Tax office written records | * Certificate of occupancy |
| * On-line parcel information (tax office website) | * Lead solder swab/scratch test |
| * Other methods used: | |

### Were all available sites at the highest priority Tier level selected and listed in the Sampling Pool before adding sites of lower priority level? [Order of priority = Tier 1 (highest), Tier 2, Tier 3, Other Representative (lowest)] (√ check box)

|  |  |  |  |
| --- | --- | --- | --- |
| * Yes | * No | * N/A | If No, explain: (Examples: property was vacant, homeowner refused to participate) |

Are any of the sites listed on the attached “Lead and Copper Sample Site Plan” a change from the sites sampled during previous monitoring periods? (√ check box)

|  |  |  |  |
| --- | --- | --- | --- |
| * Yes | * No | * N/A | If Yes, you MUST indicate this on the new Sample Site Plan. |