

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY LEAD/COPPER SAMPLE SITE SELECTION POOL AND MATERIALS SURVEY FOR COMMUNITY WATER SYSTEMS FORM 20467(a)

THE NUMBER OF SAMPLE SITES REQUIRED IS BASED ON POPULATION AND CAN BE FOUND IN THE INSTRUCTIONS. **PLEASE READ THE INSTRUCTION SHEET BEFORE COMPLETING THIS FORM.**

PWS ID:	POPULATION:	□ >100,000		
SYSTEM NAME:_		10,001 to 100,000		
DDRESS:		3,301 to 10,000		
ONTACT PERS	ON:	501 to 3,300		
HONE NUMBER		101 to 500		
MAIL ADDRESS	:	☐ ≤ 100		
	assed the Reduction of Lead in Drinking Water Act (RLDW naximum lead content of the wetted surfaces of plumbing			
dicate whether IER 1	 and fixtures) from 8% to a weighted average of 0.25%. Co the sampling locations they have chosen are a school or of the sampling locations they have chosen are a school or of the sampling locations they have chosen are a school or of the sampling locations they have chosen are a school or of the sampling locations they have chosen are a school or of the sampling locations they have chosen are a school or of the sampling locations they have chosen are a school or of the sampling locations they have chosen are a school or of the sampling locations they have chosen are a school or a single family structure that contains copper pipes with lead solder installed after 1982 but before the SDWA lead ban in 1988. It is a school or childcare facility that contains lead pipes or is served by a lead service line. Or a school or childcare facility that contains copper pipes with lead solder installed after 1982 but before the SDWA lead ban in 1988. 	# of Sites # of Sites # of Sites		
dicate whether IER 1 IER 2	 and fixtures) from 8% to a weighted average of 0.25%. Co the sampling locations they have chosen are a school or of the sampling locations they have chosen are a school or of the sampling locations they have chosen are a school or of the sampling locations they have chosen are a school or of the sampling locations they have chosen are a school or of the sampling locations they have chosen are a school or of the sampling locations they have chosen are a school or of the sampling locations they have chosen are a school or of the sampling locations they have chosen are a school or is served by lead service lines. Or a single family structure that contains copper pipes with lead solder installed after 1982 but before the SDWA lead ban in 1988. It is a school or childcare facility that contains lead pipes or is served by a lead service line. Or a school or childcare facility that contains copper pipes with lead solder installed after 1982 but before the SDWA lead ban in 1988. Applies to CWS Only. Single family structures that 	<pre># of Sites # of Sites # of Sites</pre>		
dicate whether ER 1 ER 2 ER 3	 and fixtures) from 8% to a weighted average of 0.25%. Co the sampling locations they have chosen are a school or of the sampling locations they have chosen are a school or of the sampling locations they have chosen are a school or of the sampling locations they have chosen are a school or of the sampling locations they have chosen are a school or of the sampling locations they have chosen are a school or of the sampling locations they have chosen are a school or of the service by lead service lines. Or a single family structure that contains copper pipes with lead solder installed after 1982 but before the SDWA lead ban in 1988. It is a building or multiple-family residence that contains copper pipes with lead solder installed after 1982 but before the SDWA lead ban in 1988. It is a school or childcare facility that contains lead pipes or is served by a lead service line. Or a school or childcare facility that contains copper pipes with lead solder installed after 1982 but before the SDWA lead ban in 1988. Applies to CWS Only. Single family structures that contain copper pipes with lead solder installed before 1983. Sites not defined by Tiers 1 – 2 or 3: explain: 	<pre># of Sites # of Sites # of Sites # of Sites</pre>		
	 and fixtures) from 8% to a weighted average of 0.25%. Co the sampling locations they have chosen are a school or of It t is a single family structure that contains lead pipes or is served by lead service lines. Or a single family structure that contains copper pipes with lead solder installed after 1982 but before the SDWA lead ban in 1988. It is a building or multiple-family residence that contains lead pipes or is served by lead service lines. Or a building or multiple-family residence that contains copper pipes with lead solder installed after 1982 but before the SDWA lead ban in 1988. It is a school or childcare facility that contains lead pipes. or is served by a lead service line. Or a school or childcare facility that contains copper pipes with lead solder installed after 1982 but before the SDWA lead ban in 1988. Applies to CWS Only. Single family structures that contain copper pipes with lead solder installed before 1983 	<pre># of Sites # of Sites # of Sites # of Sites # of Sites</pre>		



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY LEAD/COPPER SAMPLE SITE POOL SELECTION FORM

PWS NUMBER: _____

	Make sure you include all re		ackup sites and m	ake as many pages as you ne	eed.
No	Location Address (Please also indicate school or childcare facility name if applicable)	Tier 1, 2, 3, Other	Served by a lead service line: Y or N or Unknown	Type of Plumbing Material	Date of Construction
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16 17					
17					
18					
20					
targe	ve verified and certify that all sites from eted Tier 1, 2, 3, or "other" sample si ifically represent areas of the systems	ites. Sampl	e sites selected	are representative of the dis	
Sig	nature:		Date:		
Pri	nted Name:		Title:		
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TEXAS COMMISSION ON ENVIRONMENTAL QUALITY INSTRUCTIONS FOR SELECTING LEAD/COPPER SAMPLING SITES

The objective when selecting sampling sites is to choose sites with interior plumbing materials of lead and/or copper, if possible. These types of sites are categorized on the **Lead/Copper Sample Site Selection Form** (**SSF)** from highest to lowest risk (#1-Other) based on their likelihood to leach lead and/or copper into the drinking water.

Identify a sample pool consisting of sites that fit in the highest category (ies) as possible (closest to #1). For example, search first for sites that meet the description in Categories #1 or #2 on the Form. If you can't find sites that fit in either of these categories, then try to find sites that fit in Category #3. If you can't find any sites that fit in Categories #1-3, then all of your sampling sites will go in Category Other.

You must list the type of plumbing material and the date of construction for <u>each</u> site. You should also indicate whether the address you are sampling is a school or childcare facility.

Your Sampling Pool should include all identified sites at least EQUAL to the number of sites your system is required to sample during standard or initial monitoring. This is true for all systems on initial or reduced monitoring.

I			
Example: Selecting Tier Sites and Sar	npling Pool		
 A PWS serves 3,301 to 10,000 p 	people and is on reduced monitoring		
 It is required to have a pre-appro 	oved sampling pool of 40 sites of which to sa	ample from	
identify the 40 sites. Turn it into T			
 Your Monitoring Plan will be updated 	ated at the same time your sampling pool is	updated – keep a copy in your records.	
Your normal tap water sampling to participate.	is 20 sites on reduced monitoring. Make su	are in advance that your customers want	
	to receive bottles and to begin sampling.		
Number of Sampling Sites Required for	or Standard / Initial Monitoring		
System Size	System Population	Number of PBCU sample sites	
Large	>100K	100	
	50,001 – 100K	60	
Medium	10,000 – 50K	60	
	3,301 – 10,000	40	
Small	501 – 3,300	20	
	101 -500	10	
·	<u>< 100</u>	5	
Number of Sampling Sites Required for	or Routine / Reduced Monitoring		
System Size	System Population	Number of PBCU sample sites	
Large	>100K	50	
	50,001 – 100K	30	
Medium	10,000 – 50K	30	
	3,301 – 10,000	20	
Small	501 – 3,300	10	
	101 -500	5	
·	<u>< 100</u>	5	

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY INSTRUCTIONS FOR SELECTING LEAD/COPPER SAMPLING SITES

ADDITIONAL GUIDELINES WHEN SAMPLING TAP WATER MONITORING

- 1. When a sufficient number of Tier 1 sites do not exist or are inaccessible, you must complete your sample pool with Tier 2 sites.
- 2. For CWSs, when a sufficient number of Tier 1 and Tier 2 sites do not exist or are inaccessible, you must complete your sampling pool with Tier 3 sites.
- 3. Any water system that cannot complete its sampling at sites that meet the applicable tier criteria must complete sampling at representative sites throughout the distribution system.
- 4. You are not required to target buildings with lead solder installed after the 1988 Texas Lead ban.
- 5. You should not monitor at sampling sites that have water softeners; however, if all of your available sampling sites have water softeners, you should identify the highest risk sites (Tier 1) and monitor at those locations kitchen or bathroom sinks.
- 6. If you are not able to draw at least half of your samples from taps served by lead service lines, you must collect a sample from each available site that is serviced by a lead service line.
- 7. If you do not have lead service lines, but you have lead goosenecks or pigtails, you can collect tap water samples at the sites with the goosenecks and/or pigtails.
- 8. You should not sample at sites with point of use devices or point of entry devices.
- 9. 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 priority site. If your sites have changes you must update your sampling pool.

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY LEAD/COPPER SAMPLING SITE MATERIALS EVALUATION SURVEY

The following is a checklist of resources for water systems to use when evaluating and identifying plumbing materials in their systems. Investigate the interior plumbing of your customers or your facility to determine what types of plumbing materials are present in your system. Mark the resource(s) you used in your investigation in the blank(s) provided. If you use a resource which is not listed below, indicate that in the blanks provided next to "Other Sources".

	MATERIALS SURVEY CHECKLIST
	Distribution System Materials - Sources available to determine the number of lead service lines or
	lead goosenecks in the distribution system.
	Distribution System Maps and Record Drawings (provide)
	Capital improvement plans for distribution system development.
	Utility records including meter installation records, customer complaint investigations and all historical
	documentation which indicate and/or confirm the location of lead service connections.
	Interview senior personnel.
	Perform community survey.
	Interior Plumbing Materials - Sources available to determine the number of residential or non-
	residential buildings which have interior lead pipe or copper pipe with lead solder joints.
	County appraisal district records.
	Contacts within the water system, municipal office or other local officials.
	Survey area plumbers about when and where copper pipe with lead solder was used.
	Interview residents - letters, phone survey, personal contact, etc.
_	Interview local contractors, developers and builders.
	Corrosivity Characteristics - public water supply systems shall identify whether the following
	construction materials are present in their distribution system and report to the State with a map showing the
	locations of the types of plumbing:
	Lead pipes
	Lead service lines
	Lead solder
	Lead from interior lining of distribution mains
	Lead form alloys
	Lead from home plumbing
	Copper from piping and alloys, service lines, and home plumbing.
	Galvanized piping, service lines, and home plumbing.
	Ferrous piping materials such as cast iron and steel.
	Asbestos cement pipe.
her	Sources (explain)
	Return the form to:
	TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
	PUBLIC DRINKING WATER – LEAD/COPPER PROGRAM - MC 155
	P.O. BOX 13087
	AUSTIN, TEXAS 78711-3087
	If you have any questions, please call the Lead/Copper Program at Phone: 512/239-4691. Fax: 512/239-6050

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