Department of Environmental Protection – Bureau of Water System Engineering
401 East State Street - P.O. Box 420
Mail Code 401-04Q Trenton, New
Jersey 08625-0420
Tel # 609-292-2957 – Fax # 609-633-1495

Lead and Copper Sampling Pool Certification

Requirements Pursuant to 40 CFR 141.86(a)

1. System Information:

Water System Name: PWSID #

Population Served

2. Contact Information:

Name:

Phone Number: Email Address

3. Sampling Information:

Monitoring Period: From: To: Standard ☐ Reduced ☐

Minimum Number of Samples Required: Number of Samples Taken:

Name of Certified Laboratory:

4. Sample Criteria:

Systems must sample as many Tier 1 sites as possible. Any community water system with insufficient Tier 1 sampling sites shall complete its sampling pool with Tier 2 sampling sites. If the system has insufficient Tier 2 sampling sites, the sampling pool shall be completed with Tier 3 sampling sites. If it is not known with certainty whether lead is present in the plumbing, the site should be designated as a non-tier site.

Yes	No		
☐	☐	a. Are the same sampling sites used as in the previous monitoring period? If no, complete and submit a Lead and Copper Sample Site Change Form (BSDW-56)	
☐	☐	b. Are all samples from Tier 1 sites?	See attached *Instructions* for more information.
☐	☐	c. If insufficient Tier 1 sites are available, are Tier 2 sites used?	
☐	☐	d. If insufficient Tier 2 sites are available, are Tier 3 sites used?	
☐	☐	e. Have the Tier sites been verified to meet the requirements of the specified Tier site? (i.e. documentation can be provided proving the site meets the requirements). *BSWE-15 must be submitted for each site.*	
☐	☐	f. Does the system have lead service lines? If yes, write in comments section how many	
☐	☐	g. Has the system verified which lines are lead service lines? (i.e. visual inspection, record drawings, county appraisal records, interviews with residents, etc.)	
☐	☐	h. If the distribution system contains lead service lines, are 50% of the samples collected from sites with lead service lines?	

Comments:

5. Sampling Site Pool Selection (Include all sample sites used in this sampling event. Use additional pages as needed)

No.	Sample Location/Street Address	Tier 1, 2, 3, or Other	Sample Category[1]	Piping Material[2]	Regular or Alternate site[3]
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					

[1] See *Instructions- #5c*

[2]Denote materials used for service line and building plumbing using: C = copper; G = galvanized; L = lead; or P = plastic/PVC

[3]Denote selection using: R = regular site; A = alternate site; N = new site; CR = Customer Requested Site

No.	Sample Location/Street Address	Tier 1, 2, 3, or Other	Sample Category[1]	Piping Material[2]	Regular or Alternate site[3]
26					
27					
28					
29					
30					
31					
32					
33					
34					
35					
36					
37					
38					
39					
40					
41					
42					
43					
44					
45					
46					
47					
48					
49					
50					

[1] See *Instructions- #5C*

[2]Denote materials used for service line and building plumbing using: C = copper; G = galvanized; L = lead; or P = plastic/PVC

[3]Denote selection using: R = regular site; A = alternate site; N = new site; CR = Customer Requested Site

6. *I have verified and certify*:

a) All the sites from which lead and copper tap samples were collected were selected from a pool of targeted Tier 1, 2, 3, or other sample sites, consistent with 40 CFR 141.86(a).
b) Sample sites were selected in accordance with 40 CFR 141.86(a) are representative of the distribution system and specifically of areas of the system that are most vulnerable to corrosion of lead and copper in water.
c) First draw samples for lead and copper were one liter in volume and stood motionless in the plumbing system of each sampling site for a minimum of six hours, consistent with 40 CFR 141.86(b).
d) First draw samples collected from a single family residence were collected from cold water kitchen taps or bathroom sink taps.
e) First draw samples from non-residential buildings were collected from interior building taps from which water is typically drawn for consumption.
f) Each resident who volunteered to collect tap water samples from his/her home was properly instructed in the proper methods for collecting lead and copper samples.
g) The information listed in this form is true and accurate to the best of my knowledge and belief.

Owner/Executive Director Signature: _____ Date: _____

Printed Name: _____ Title: _____

W-Operator Signature: _____ Date: _____

Printed Name: _____ License Number: _____

Instructions for Completing Lead and Copper Sampling Pool Certification Form

1. SYSTEM INFORMATION
   a. WATER SYSTEM NAME: Enter the name of the public water system where sampling is being conducted.
   b. PWSID #: Enter the 7-digit public water supply ID number.
   c. POPULATION: Enter the number of customers served for entire service area.

2. CONTACT INFORMATION
   a. NAME: Enter name of the authorized water system official.
   b. PHONE NUMBER: Enter phone number for contact person.
   c. EMAIL ADDRESS: Enter the email address for the contact person.

3. SAMPLING INFORMATION
   a. MONITORING PERIOD: Enter the beginning and end dates of the monitoring period during which the most recent sampling took place (i.e. from 01/01/2014 – 12/31/2014).
   b. MONITORING STANDARD or REDUCED: Select whether the most recent sampling event was standard (every 6 months) or reduced (annual or triennial).
   c. MINIMUM NUMBER OF SAMPLES REQUIRED: See the table below taken from 40 CFR 141.86(c).

System Size (number of people served)	Number of Sites (standard monitoring)	Number of Sites (reduced monitoring)
> 100,000	100	50
10,001 – 100,000	60	30
3,301 – 10,000	40	20
501 – 3,300	20	10
101 – 500	10	5
≤ 100	5	5

   d. NUMBER OF SAMPLES TAKEN: Indicate the number of tap samples taken for lead and copper analysis in the indicated monitoring period.
   e. NAME OF CERTIFED LABORATORY: Enter the name of the certified laboratory that performed the lead/copper analyses on samples taken in the indicated monitoring period.

4. SAMPLE CRITERIA: Answer the questions accordingly, briefly explain, where necessary, the reason for your actions in the comments section.

The Tier classifications in 40 CFR 141.86(a)3-5 for community water systems are as follows:

   a. A Tier 1 site shall consist of single family structures that:
      i. Contain copper pipes with lead solder installed after 1982 or contain lead pipes; and/or
      ii. Are served by a lead service line. When multiple-family residences comprise at least 20% of the structures served by a water system, the system may include these types of structures in its sampling pool.
   b. A Tier 2 site shall consist of buildings, including multiple-family residents that:
      i. Contain copper pipes with lead solder installed after 1982 or contain lead pipes: and/or
      ii. Are served by a lead service line.
   c. A Tier 3 site shall consist of single family structures that contain copper pipes with lead solder installed before 1983.

For your convenience, the following table includes the "LOC Type" from previous site designations:

Tier	Description	Previous LOC Type
1	Lead Service Lines	A
1	Single Family Structures with Copper Pipe & Lead Solder installed after 1982	B
2	Building & Multifamily Residences with Copper Pipes & Lead Solder installed after 1982	C
2	Building & Multifamily Residences containing Lead Pipes or Service Lines	D
3	Single Family Structures that contain Copper Pipe with Lead Solder installed before 1983	E
	Other	F

5. SAMPLING SITE POOL SELECTION:
   a. SAMPLING LOCATION: Enter the street address of the location where each lead and copper sample is taken.
   b. TIER 1, 2, 3, OR OTHER: Enter the tier classification of the site.
   c. SAMPLE CATEGORY: Use the following numbers to designate the location criteria being met by the sample site:

Sample Category	Description
i	Single family residence with lead service line
ii	Single family residence with lead solder copper piping constructed after 1982
iii	Single family residence with lead plumbing after 1982
iv	Multi-family residence with lead service line
v	Multi-family residence with lead solder copper piping constructed after 1982
vi	Multi-family residence with lead plumbing
vii	Single family home with lead solder copper piping constructed before 1983
viii	Single family home that does not meet Tier 1, 2, or 3 criteria
ix	Multi-family home that does not meet Tier 1, 2, or 3 criteria
x	Non-residential building with lead service line
xi	Non-residential building with lead solder copper piping constructed after 1982
xii	Non-residential building with lead plumbing
xiii	Non-residential building with lead solder copper piping constructed before 1983
xiv	Non-residential building that does not meet Tier 1, 2, or 3 criteria

   d. PIPING MATERIAL: Materials used for service line and building plumbing use: C = copper; G = galvanized; L = lead; or P = plastic/PVC
   e. REGULAR OR ALTERNATE SITE: Denote selection using: R = regular site, A = alternate site, N = new site, or CR = Customer Request Site

6. CERTIFICATION: An authorized water system official or owner and the licensed (W) water operator must sign and date the form. Please refer to the chart below to determine the signature of operator required.

Population	Signature of Operator Required
< 1,500 with more than 100 service connections	W-1
1,501 to 15,000	W-2
15,001 to 50,000	W-3
PWS not required to have W operator (e.g. VSWS)	VSWS operator or T operator

Return Lead and Copper Sampling Pool Certification AND all Lead and Cooper Sample Site Certifications to:

Mail Code 401-04Q
Division of Water Supply & Geoscience
Water System Operations Element - Bureau of Water System Engineering
401 E. State Street – PO Box 420
Trenton, New Jersey 08625-0420