

Instruction Packet for Lead and Copper Tap Sample Site Location Plan



pennsylvania

**DEPARTMENT OF ENVIRONMENTAL
PROTECTION
BUREAU OF SAFE DRINKING WATER**

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Instruction Packet for Lead and Copper Tap Sample Site Location Plan

Regulatory Requirements

SAMPLE SITE LOCATION PLAN

As per §109.1103(g), all community and nontransient noncommunity water systems shall complete a sample site location plan (SSLP) prior to initiation of lead and copper sample collection. The plan shall include:

1. Materials evaluation of distribution system,
2. Lead and copper tap sample site locations,
3. Water quality parameter sample site locations, and
4. Certification that proper sampling procedures are used.

As per §109.1107(a)(1), the water system shall submit a copy to DEP prior to conducting initial monitoring and shall keep the sample site location plan on file. If the system is required to prepare a corrosion control treatment feasibility study, the system shall include the plan as part of the study.

Water suppliers are responsible for updating their plan within the first 10 days following the end of each applicable monitoring period as follows:

- Identify lead and copper tap sample sites that are different from sites sampled during previous monitoring periods.
- Identify any changes to water quality parameter sample sites from sites sampled during previous monitoring periods.
- Update the sample procedure certification.

MATERIALS EVALUATION

As per §109.1103(g)(1), all community and nontransient noncommunity water systems shall review all records documenting the materials used to construct and repair their distribution system piping. Additionally, systems shall review the interior plumbing materials used within residences and buildings connected to their distribution system. Sources of information include:

- Plumbing codes, permits and records in the files of the **building departments** of each municipality served by the system;
- Water system records including:
 - Distribution maps and drawings;
 - Inspection and maintenance records;
 - Meter installation records
 - Standard operating procedures;
 - Operation and maintenance manuals;
 - Permit files;
 - Existing water quality data;
- Interviews with senior personnel, building inspectors, and retirees; and
- Community surveys.

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There are worksheets and a tier assignment key located on pages W-1 through W-5 for organizing the information collected during the materials evaluation. These worksheets should be useful when determining the sites that contain the highest priority materials. The worksheet instructions begin on page **I-1**.

LEAD AND COPPER TAP SAMPLE SITE SELECTION (in accordance with 109.1103(g)(2))

COMMUNITY WATER SYSTEMS

For community water systems, lead and copper tap water samples must be collected from sampling locations that meet one of the following criteria:

- Tier 1. Single family structures** that:
- contain **lead pipes**; or
 - are served by **lead service lines**; or
 - contain copper pipes with **lead solder** that were **installed after 1982**.
- Tier 2. Buildings and multiple-family residences** that:
- contain **lead pipes**; or
 - are **served by lead service lines**; or
 - contain copper pipes with **lead solder** that were **installed after 1982**.
- Tier 3. Structures** that were constructed as a **single family residence and currently used as either a residence or business**, that:
- contain copper pipes with **lead solder installed before 1983**.

Community Water System Lead and Copper Tap Sample Pool Criteria

- Community water systems should identify more sampling sites than the required number during each monitoring period in case volunteers drop out of the sampling pool. Community water systems **shall select Tier 1 sample site locations**. If the initial materials evaluation did not include the **entire distribution system**, the water system may need to do additional research to maintain a sufficient pool of Tier 1 locations.
- **Water systems are not required to target structures with lead solder installed after January 6, 1991**; which is the effective date of the Pennsylvania Plumbing System Lead Ban and Notification Act.
- **If a water system contains lead service lines, at least 50 percent of the sampling sites included in the sampling pool should be served by a lead service line. When a sufficient number of lead service line sites do not exist, a water system shall collect a tap water sample from each site served by a lead service line.**
- If a water system has no lead service lines, but it does have lead goosenecks or pigtails, the system shall collect tap water samples at the sites with the goosenecks and/or pigtails.
- When a sufficient number of tier 1 sites do not exist, the water system shall complete its sampling pool with tier 2 sites.
- When a sufficient number of tier 1 and 2 sites do not exist, the water system shall complete its sampling pool with tier 3 sites.
- The **use of non-tier 1 sites should be well documented and justified**. An incomplete materials evaluation is not a sufficient justification.

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- When a sufficient number of tier 1, 2 and 3 sites do not exist, the water system shall sample from other representative sites throughout the distribution system in which the plumbing materials used at the site would be commonly found at other sites served by the system. The **use of “other” sample sites should be well documented and justified.**
- If a community water system operates 24 hours a day (such as a prison or nursing home) and does not have enough taps that supply first-draw lead and copper samples, the water supplier may apply to DEP, in writing, to substitute non-first draw samples with samples from drinking water taps that would likely result in the longest standing time. In the request, the supplier needs to identify sampling times and locations of those non-first draw sites.

NOTE: Suppliers shall collect as many first-draw samples from appropriate taps as possible before supplementing with non-first draw sites.

- Community water systems that contain a fewer number of buildings than the required number of sampling sites, may sample from different taps within a representative number of buildings.

NOTE: Samples shall be taken on different days from taps most commonly used to provide drinking water.

- If a water supplier collects additional lead and copper tap samples, these sites must be the highest tier sites possible. The supplier cannot dilute the 90th percentile value with lower tier sample sites.
- If multiple-family residences comprise at least 20 percent of the structures served by a water system, the system may consider a representative number of these structures as tier 1 sites in its sampling pool.
- If a water system contains only plastic plumbing, but the faucets and fittings contain lead, the system should collect tap samples at single family structures with such faucets and fittings.
- Samples may not be taken from taps that have point-of-use or point-of-entry treatment devices designed to remove inorganic contaminants.

NONTRANSIENT NONCOMMUNITY WATER SYSTEMS (NTNCWS)

For nontransient noncommunity water systems, lead and copper tap water samples must be collected from sampling locations that meet the following criteria:

Tier 1. Buildings that:

- contain **lead pipes**; or
- are served by **lead service lines**; or
- contain copper pipes with **lead solder** that were **installed after 1982.**

Non-Tier:

Other. Sites that:

- contain copper pipes with lead solder **installed before 1983.**

Additional. Sites that:

- contain plumbing materials that are commonly found at other locations within the system.

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NTNCWS Lead and Copper Tap Sample Pool Criteria

- **Sampling pools shall consist of tier 1 sites.**
- A system that has an insufficient number of tier 1 sampling sites shall complete its sampling pool with sampling sites that contain copper pipes with lead solder installed before 1983.
- If additional sites are needed, the system shall use representative sites throughout the distribution system in which the plumbing materials used at the site would be commonly found at other sites served by the system.
- **Nontransient noncommunity water systems are not required to target buildings with lead solder installed after January 6, 1991;** effective date of the Pennsylvania Plumbing System Lead Ban and Notification Act.
- If the water system contains fewer buildings than the required number of sampling sites, samples may be collected from different taps within a representative number of buildings. The taps should be those most commonly used for drinking and the samples should be taken on different days. If the system has an insufficient number of these taps to take each sample from a different tap, the system may sample from the same tap on different days.
- If a nontransient noncommunity water system operates 24 hours a day (such as a hospital or factory) and does not have enough taps that supply first-draw lead and copper samples, the water supplier may apply to DEP, in writing, to substitute non-first draw samples with samples from drinking water taps that would likely result in the longest standing time. In the request, the supplier needs to identify sampling times and locations of those non-first draw sites.

NOTE: Suppliers shall collect as many first-draw samples from appropriate taps as possible before supplementing with non-first draw sites.

- If the water system contains only plastic plumbing, but the faucets and fittings contain lead, the system should collect tap samples at taps with such faucets and fittings.
- Samples may not be taken from taps that have point-of-use or point-of-entry treatment devices designed to remove inorganic contaminants. When water softeners are installed as central treatment, lead and copper tap samples should be taken after treatment.

Instruction Packet for Lead and Copper Tap Sample Site Location Plan

ACTION ITEMS TO COMPLETE A SAMPLE SITE LOCATION PLAN

To summarize the activities you need to do to create or modify a sample site location plan, review the following 5 action items.



ACTION
ITEM

Action Item #1: Record materials evaluation data on worksheet #1 on page W-1 using instructions on page I-1. Use the Tier Assignment Key found on page W-4 to determine the tier status of each structure.



ACTION
ITEM

Action Item #2: Summarize the number of service connections for each plumbing material type on worksheet #2 on page W-4 using the instructions on page I-1.



ACTION
ITEM

Action Item #3: Record lead and copper tap sample sites on pages T-1 through T-3 of the Sample Site Location Plan template using the instructions on pages I-2 and I-3.



ACTION
ITEM

Action Item #4: Record water quality parameter sample sites on page T-4 (when applicable) of the Sample Site Location Plan template using the instructions on page I-3.



ACTION
ITEM

Action Item #5: Complete the homeowner sampling procedure certification form on page T-5 using the instructions on page I-3.

Lead and Copper Tap and Water Quality Parameter Monitoring Summary Tables

Table 1: Lead (Pb) and Copper (Cu) Tap and Water Quality Parameter (WQP) Distribution Monitoring					
Size Category	System Size	Number of Pb/Cu Tap Sample Sites		Number of WQP Distribution Sites (2 sets at each site)	
		Initial	Reduced	Initial	Reduced
Large	>100,000	100	50	25	10
	50,001 – 100K	60	30	10	7
Medium	10,001 – 50K	60	30	10	7
	3,301 – 10K	40	20	3	N/A
Small	501 – 3,300	20	10	2	N/A
	101 - 500	10	5	1	N/A
	100 or fewer	5	5	1	N/A

Water Quality Parameters (WQPs)	
Applicability	<ul style="list-style-type: none"> Systems serving more than 50,000 people. Systems serving 50,000 or less people during monitoring periods in which either action level (AL) is exceeded.
Initial	<ul style="list-style-type: none"> Two sets of WQP samples are collected at distribution sites every 6 months. One set of WQP samples is collected at each entry point every 6 months prior to corrosion control treatment (CCT) installation, then every 2 weeks.
Reduced	<ul style="list-style-type: none"> See Table 1 for sample number and next page for criteria for reduced number of distribution sites. Entry point monitoring cannot be reduced.

Lead and Copper Tap and Water Quality Parameter Monitoring Summary Tables

Treatment Technique and Sampling Requirements if the AL is exceeded*	
*Based on the 90th percentile value. Refer to §109.1102(a)(4) for computation steps.	
Water Quality Parameter (WQP)	
Applicability	<ul style="list-style-type: none"> • All large systems regardless of whether the ALs are met. • Small and medium systems during monitoring periods in which either AL is exceeded.
Parameters	<ul style="list-style-type: none"> • pH, alkalinity, calcium (<i>initial only, unless calcium carbonate stabilization is used</i>), conductivity (<i>initial monitoring only</i>), orthophosphate (if inhibitor is phosphate-based), silica (if inhibitor is silica-based, and temperature (<i>initial monitoring only</i>).
Frequency and Purpose	<ul style="list-style-type: none"> • Systems installing CCT must conduct follow-up monitoring for 2 consecutive 6-month monitoring periods. Follow-up monitoring is done to determine if the treatment is optimized before the water system requests DEP to designate WQP Performance Level Requirements (PLRs). • WQP distribution monitoring is conducted every 6 months and entry point monitoring is conducted every 2 weeks. • After follow-up monitoring, DEP will designate optimal CCT WQP PLRs.
Reduced Distribution Monitoring	<ul style="list-style-type: none"> • Collect at reduced number of sampling sites (Table 1) if a system maintains the range of WQP PLRs for 2 consecutive 6-month monitoring periods. • Reduce frequency from 6-month monitoring to annual if WQP PLRs are met during 3 consecutive years of monitoring. • Reduce frequency from annual to triennial if during 2 consecutive 6-month monitoring periods the WQP PLRs are met AND the 90th percentile Pb and Cu levels are ≤ 0.005 mg/L and ≤ 0.65 mg/L, respectively.



INSTRUCTIONS FOR COMPLETING THE SAMPLE SITE PLAN TEMPLATE

STEP 1: CONDUCT A MATERIALS EVALUATION

Review the regulatory requirements on pages 1 – 7 about conducting a materials evaluation of the plumbing materials used within your water system. Complete worksheets #1 and #2 using the following instructions:

Worksheet #1: MATERIALS EVALUATION INVESTIGATION RESULTS (p. W-1)

PWS ID Number: Enter PWS ID Number.

Population Served by PWS: Enter Population Served by PWS.

Complete the table for **structures that contain lead**. **Note:** You may need to create additional pages. You will need to list each separate location that has been verified as a Tier 1, Tier 2 or Tier 3 site to be included in your sampling pool.

Type of Structure: Use the drop down box and select one of the following: “**BLDG**” (building), “**MFR**” (multi-family residence), or “**SFR**” (single family residence).

Location: Enter location address.

Name: Enter homeowner name or building name.

Phone: Enter phone number (XXX-XXX-XXXX).

LSL: Use the drop down box and select “**Y, F**” (Full), or “**Y, P**” (Partial) if lead service line is present or “**N**”.

Interior Plumbing Material: Use drop down box and select one of the following: “**LP**” (lead pipe), “**CLSa82**” (copper pipe with lead solder after 1982), or “**CLSb83**” (copper pipe with lead solder before 1983).

Does tap meet criteria?: Enter “**Y**” (yes) if the sample site tap is a **cold water kitchen** or **bathroom tap** or **interior tap used for consumption** that has **no treatment** (or it can be bypassed) and is **accessible**.

Tier: Use the Tier Assignment key on page W3 to determine the tier status of each type of structure you have identified on this worksheet. Use the drop down box and select one of the following: “**1**” (Tier 1), “**2**” (Tier 2), “**3**” (Tier 3), “**NT**” (Non-tier), or “**N/A**” (not applicable).

3 Digit Location ID#: Enter the 3 digit ID# to identify this site location.

Worksheet #2: MATERIALS EVALUATION RESULT SUMMARY Table (pgs. W-4 or W-5)

Using the data you entered on worksheet #1 “Materials Evaluation Investigation Results”, summarize this data in the following fields:

Distribution System Piping LSL: Enter the number of lead service lines (LSLs) you have in each category (single family residences, multi-family residences, buildings). Enter the **total number** of LSLs in the **TOTAL** field.

Lead Pipe: Enter the number of structures that contain lead pipes you have in each category (single family residences, multi-family residences, buildings). Enter the **total number** of structures that contain lead pipes in the **TOTAL** field.

Copper with Lead Solder Installed after 1982: Enter the number of structures that contain copper pipe with lead solder installed after 1982 you have in each category (single family residences, multi-family residences, buildings). Enter the **total number** of structures that contain copper pipe with lead solder installed after 1982 in the **TOTAL** field.

Copper with Lead Solder Installed before 1983: Enter the number of structures that contain copper pipe with lead solder installed before 1983 you have in each category (single family residences, multi-family residences, buildings). Enter the **total number** of structures that contain copper pipe with lead solder installed before 1983 in the **TOTAL** field.

Plastic Plumbing: If a water system contains only plastic plumbing, but the **faucets and fittings contain lead**, the system should collect tap samples at single family structures with such faucets and fittings. Use the age of the structure to determine which interior plumbing row to complete (i.e., faucets and fittings with **lead solder after 1982** or **before 1983**).

When you complete this Materials Evaluation table, you will have the universe of sampling sites and their tier status to develop your lead and copper tap sample pool. Remember to review the criteria on pages 2 through 4 to comply with the requirement to sample at sites that contain the **highest priority materials**.

STEP 2: LIST THE LEAD AND COPPER TAP SAMPLE LOCATIONS

Community water systems should identify more sampling sites than the required number during each monitoring period in case volunteers drop out of the sampling pool. See table 1 on page 6 for the required number of lead and copper tap sample site.

Sample Site Location Plan Template Instructions:

Pages T-1 and T-2: (**Note:** You may need to create additional pages as necessary to list the lead and copper tap sample sites you are sampling.)

GENERAL SYSTEM INFORMATION: (p. T-1)

Enter the following data:

Water system Name
PWSID #
Mailing Address
Contact Person
Phone #
E-mail Address
System type: Enter CWS or NTNCWS
Population served

LEAD AND COPPER TAP SAMPLE SITE LISTING (pgs. T-1 through T-3)

Enter the following data:

3 digit location ID #: Enter the 3-digit ID# (from 700 – 999) you have assigned to the site location). If a site is also used as a disinfection byproducts sample site or a total coliform sample site, use the same location ID #.

Sample Site Address or Room name or #: Enter the site address and room name or number (if within a building) to identify where the sample is collected.

Site Location Tier Assignment/LSL status:

- **Community Water Systems:** Enter the tier status (**1, 2, 3, Non-tier, N/A**) for each site. Also, enter **LSL** for any site served by a **lead service line**. **NOTE:** If a water system contains only plastic plumbing, but

the faucets and fittings contain lead, the system should collect tap samples at single family structures with such faucets and fittings.

- **Nontransient Noncommunity Water Systems:** Enter the tier status (**1, or Non-tier**) for each site. Also, enter **LSL** for any site served by a **lead service line**.

STEP 3: LIST WATER QUALITY PARAMETER SAMPLE LOCATIONS

These parameters are used to identify optimal treatment and, once lead and copper corrosion control treatment is installed, to determine whether a system remains in compliance with the rule.

Sampling is conducted at the **entry point** to the distribution, and at **representative sites throughout the distribution system**. Refer to pages 6 and 7 for the number of required sites and the sampling frequency.

WATER QUALITY PARAMETER SAMPLE SITE LISTING (p. T-4)

Enter the following data:

3 digit location ID #: Enter the 3-digit ID# you have assigned to the site location (EP # and distribution ID #).

Sample Site Address or Room name or #: Enter the site address and room name or number (if within a building) to identify where the sample is collected.

STEP 4: CERTIFY HOMEOWNER TAP SAMPLING PROCEDURES

2016 REVISED SUGGESTED DIRECTIONS FOR TAP SAMPLE COLLECTION PROCEDURES (p. T-5)

Enter the following data:

Contact person name: Enter the **contact person name**.

Telephone number: Enter the **telephone number**.

Water Supplier Signature and date: **Sign** and **date** this certification page.

NOTE: Be sure to review these **REVISED** instructions with homeowners prior to lead and copper sample collection, especially the **bolded** text under items 2 and 3.

WORKSHEET #1 MATERIALS EVALUATION INVESTIGATION RESULTS

PWS ID NUMBER: 3060059 Population Served by PWS: 89,000

Type of Structure	Location	Name	Phone	LSL	Interior Plumbing Material	Does tap meet criteria?	Tier	3 Digit Location ID#
SFR	1108 Meade St	Debra Jones	610-334-1961	N	CLSa82	Y	1	801
SFR	1546 North 10 th St	Jared Eyer	610-587-2342	N	CLSa82	Y	1	802
SFR	309 North 11 th St	Mike Reese	484-577-6751	N	CLSa82	Y	1	803
SFR	520 South 19 th St	Mike Tromatter	610-373-0183	N	CLSa82	Y	1	804
SFR	1643 Fairview St	Ernest Barrett	610-376-4468	N	CLSa82	Y	1	805
SFR	1514 North 15 th St	Steven Fisher	484-650-0721	N	CLSa82	Y	1	806
SFR	736 Lance Place	Jan Montgomery	484-855-8575	N	CLSa82	Y	1	807
SFR	128 West Green St			N	CLSa82	Y	1	808
	WORKSHEET #1 CONTINUED IN							
	Appendix B (82 Property Maintenance inspections)			N		N	NT	
	Appendix C (460 Meter change outs)			N		N	NT	
BLDG	Appendix D (22 City Schools)			N		N	NT	
BLDG	Appendix E (7 City Firehouses)			N		N	NT	
BLDG	Appendix F (5 City Libraries)			N		N	NT	



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Key:	<u>Type of Structure</u>	<u>Distribution System</u>	<u>Interior Plumbing Material</u>
	BLDG – Building	LSL – Lead Service Lines	LP – Lead Pipe
	MFR – Multi-family resident	Y, F (Full)	CLSa82 – Copper Pipe with Lead Solder after 1982
	SFR – Single family resident	Y, P (Partial)	CLSb83 – Copper Pipe with Lead Solder before 1983
		N	P - Plastic

ADDITIONAL WORKSHEET #1 (Cont'd)
MATERIALS EVALUATION INVESTIGATION RESULTS (cont'd)

Type of Structure	Location	Name	Phone	LSL	Interior Plumbing Material	Does tap meet criteria?	Tier	3 Digit Location ID#

Key:	<u>Type of Structure</u>	<u>Distribution System</u>	<u>Interior Plumbing Material</u>
	BLDG – Building	LSL – Lead Service Lines	LP – Lead Pipe
	MFR – Multi-family resident	Y, F (Full)	CLSa82 – Copper Pipe with Lead Solder after 1982
	SFR – Single family resident	Y, P (Partial)	CLSb83 – Copper Pipe with Lead Solder before 1983
	N	P - Plastic	

ADDITIONAL WORKSHEET #1 (Cont'd)
MATERIALS EVALUATION INVESTIGATION RESULTS (cont'd)

Type of Structure	Location	Name	Phone	LSL	Interior Plumbing Material	Does tap meet criteria?	Tier	3 Digit Location ID#

Key:	<u>Type of Structure</u>	<u>Distribution System</u>	<u>Interior Plumbing Material</u>
	BLDG – Building	LSL – Lead Service Lines	LP – Lead Pipe
	MFR – Multi-family resident	Y, F (Full)	CLSa82 – Copper Pipe with Lead Solder after 1982
	SFR – Single family resident	Y, P (Partial)	CLSb83 – Copper Pipe with Lead Solder before 1983
		N	P - Plastic



**WORKSHEET #2 FOR CWSs
 CWSs MATERIALS EVALUATION RESULT SUMMARY
 BY NUMBER OF SERVICE CONNECTIONS FOR EACH PLUMBING MATERIALS TYPE**

Type of Structure	Type of Plumbing Material			
	Distribution System Piping	Interior Plumbing		
	LSLs	Lead Pipe	Copper Pipe with Lead Solder installed after 1982	Copper Pipe with Lead Solder installed before 1983
Single Family Residences	0	0	8	0
Multi-Family Residences	0	0	0	0
Buildings	0	0	0	0
TOTAL	0	0	8	0

Tier Assignment Key for CWSs (to summarize tier 1, tier 2 and tier 3 totals)

Type of Structure	Type of Plumbing Material			
	Distribution System Piping	Interior Plumbing		
	LSLs	Lead Pipe	Copper Pipe with Lead Solder Installed After 1982	Copper Pipe with Lead Solder Installed Before 1983
Single Family Residences	Tier 1	Tier 1	Tier 1	Tier 3
Multi-Family Residences	Tier 2	Tier 2	Tier 2	Non-Tier
Buildings	Tier 2	Tier 2	Tier 2	N/A *

* Not applicable unless a SFR was converted to a BLDG, then Tier 3.

**WORKSHEET #2 FOR NTNCWSs
 NTNCWSs MATERIALS EVALUATION RESULT SUMMARY
 BY NUMBER OF SERVICE CONNECTIONS FOR EACH PLUMBING MATERIALS TYPE**

Type of Structure	Type of Material			
	Distribution System Piping	Interior Plumbing		
	LSLs	Lead Pipe	Copper Pipe with Lead Solder installed after 1982	Copper Pipe with Lead Solder installed before 1983
Buildings				

Tier Assignment Key for NTNCWSs (to summarize tier 1 and non-tier sites)

Type of Structure	Type of Material			
	Distribution System Piping	Interior Plumbing		
	LSLs	Lead Pipe	Copper Pipe with Lead Solder installed after 1982	Copper Pipe with Lead Solder installed before 1983
Buildings	Tier 1	Tier 1	Tier 1	Non-Tier

Note: If your system does not contain enough tier 1 and Non-tier sites to meet the LCR required sample pool, then include sites that do not fit into the above classifications, but contain plumbing materials commonly found at other locations within the system (for example, sites that have PVC plumbing).



LEAD & COPPER TAP SAMPLE SITE LOCATION PLAN

GENERAL SYSTEM INFORMATION

Water System Name:	Reading Area Water Authority			PWSID:	3060059
Mailing Address:	1801 Kutztown Road				
Contact Person Name:	Dean Miller	Phone:	610-406-6300	E-mail:	dean.miller@readingareawater.com
System Type: (CWS or NTNCWS)	CWS	Population Served:	89,000		

LEAD AND COPPER TAP SAMPLE SITE LISTING

3 Digit Location ID#	Sample Site Address / Room #	Site Location Tier Assignment and LSL status
801	1108 Meade St	1
802	1546 North 10 th St	1
803	309 North 11 th St	1
804	520 South 19 th St	1
805	1643 Fairview St	1
806	1514 North 15 th St	1

LEAD AND COPPER TAP SAMPLE SITE LISTING (con't)

3 Digit Location ID #:	Sample Site Address / Room #:	Site Location Tier Assignment and LSL Status
807	736 Lance Place	1
808	128 West green St	1
809	532 Elm St	Non-Tier
810	1509 Linden St	Non-Tier
811	947 Upland Ave	Non-Tier
812	1502 North 13 th St	Non-Tier
813	1440 Cotton St	Non-Tier
814	630 South 10 th St	Non-Tier
815	2331 Berkley Road	Non-Tier
816	1239 Moss st	Non-Tier
817	709 Cameron St	Non-Tier
818	5115 Pottsville Pike	Non-Tier
819	86 Tube Drive	Non-Tier
820	527 Wunder St	Non-Tier
821	2216 North 18 th St	Non-Tier
822	427 Funston Ave	Non-Tier
823	719 Madison St	Non-Tier
824	1312 North 6 th St	Non-Tier

LEAD AND COPPER TAP SAMPLE SITE LISTING (con't)

3 Digit Location ID #	Sample Site Address / Room #	Site Location Tier Assignment and LSL status
825	624 South 10 th St	Non-Tier
826	1802 Holly Road	Non-Tier
827	730 McKnight St	Non-Tier
828	210 Carroll St	Non-Tier
829	925 Union St	Non-Tier
830	437 Morrison Rd	Non-Tier
831	612 Old Wyomissing Rd	Non-Tier
832	903 Kenhorst Blvd	Non-Tier
833	228 South 3 rd St	Non-Tier
834	138 West Windsor St	Non-Tier
835	721 Bruckman Ave	Non-Tier
836	1801 Hessian Rd	Non-Tier
837	1708 North 16 th St	Non-Tier
838	20 Belvedere Ave	Non-Tier
839	1057 Buttonwood St	Non-Tier
840	2616 Antietam Rd (Hill Rd)	Non-Tier

WATER QUALITY PARAMETER SAMPLE SITE LISTING

3 Digit Location ID #	Sample Site Address / Room #
704	320 south 17 th St/ Break room
702	8 th & Washington/City Hall /Men's restroom
701	Centre & Berks Sts/Citizens Bank/Break room
767	Lancaster Ave/McDonalds/Break room
763	Laurel St/United Corrstacks/Break room
705	Clinton & West Oley Sts/Olivets Club/Men's restroom
759	McKnight & Spring Sts/Firehouse/Kitchen sink
706	3 rd & Court Sts/Firehouse/Kitchen sink
707	13 th & Union Sts/ Chapel/ Men's restroom
776	9 th & Marion Sts/Firehouse/Kitchen sink

2016 REVISED SUGGESTED DIRECTIONS TAP SAMPLE COLLECTION PROCEDURES

These samples are being collected to determine the lead and copper levels in your tap water. This sampling effort is required by the U.S. Environmental Protection Agency and the Pennsylvania Department of Environmental Protection, and is being accomplished through the cooperation of homeowners and residents.

A sample is to be collected after water has been sitting in the pipes for an extended period of time (i.e., no water use during this period). Due to this requirement, either early mornings or evenings upon returning home from work are the best times for collecting samples. The collection procedure is described in more detail below:

1. Prior arrangements will be made with the customer to coordinate the sample collection event. Dates will be set for sample kit delivery and pick-up by water department staff.
2. **A minimum six (6) hour period during which there is no water use throughout the house** must be achieved prior to sampling. **Do not intentionally flush the water line before the start of the 6 hour period.** The water department recommends that either early mornings or evenings upon returning home are the best sampling times to ensure that the necessary stagnant water conditions exist.
3. A **kitchen or bathroom cold-water faucet** is to be used for sampling. **Do not remove the aerator prior to sampling.** If you have water softeners on your kitchen taps, collect your sample from the bathroom tap that is not attached to a water softener, or a point of use filter, if possible. **Place the sample bottle (open) below the faucet and open the cold water tap as you would do to fill a glass of water.** Fill the sample bottle to the line marked **“1,000-mL”** and turn off the water.
4. Tightly cap the sample bottle and place it in the sample kit provided. Please review the sample kit label at this time to ensure that all information contained on the label is correct.
5. If any plumbing repairs or replacement has been done in the home since the previous sampling event, note this information on the label as provided. Also if your sample was collected from a tap with a water softener, note this as well.
6. Place the sample kit outside of the residence in the location of the kit's delivery so that department staff may pick up the sample kit.
7. Results from this monitoring effort and information about lead will be provided to you as soon as practical but no later than 30 days after the system learns of the tap monitoring results. However, if excessive lead and/or copper levels are found, immediate notification will be provided (usually 1-2 working days after the system learns of the tap monitoring results).

Call Helen Piccone at 484-824-9567 if you have any questions regarding these instructions.

I certify that each resident or sample collector has been instructed in the proper methods for collecting lead and copper tap samples.

Water Supplier Signature:	Date: 8/24/16
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