Verification of Lead Consumer Notice Issuance

Sampling Data

Fill in all applicable information below to verify lead consumer notice was issued in accordance with the requirements. Add additional rows as needed.

If a sample was submitted as DS000, include the sample location and address and submit an updated SMP ID Spreadsheet to your Ohio EPA District Office, as applicable.

Sample Location (LC### or Address and Sample Location)	**CN Delivery Date**	**CN Delivery Method** (Choose from drop down)	**Lab Sample Number**	**For any samples greater than 15 µg/L, check applicable boxes below**		
				Included info on health screening and lead blood level tests in CN	Notified Health Department	Removed fixture from service **(NTNC Only)**
Carlisle Elem/Middle School Water Fountain Teacher Lounge	8/30/2019	Multiple methods used	5221294001	☐	☐	☐
Carlisle Elem/Middle School Teacher Lounge Sink	8/30/2019	Multiple methods used	5221294002	☐	☐	☐
Carlisle Elem/Middle School Elem Kitchen Sink	8/30/2019	Multiple methods used	5221294003	☐	☐	☐
Carlisle Elem/Middle School Teacher RR Sink	8/30/2019	Multiple methods used	5221294004	☐	☐	☐
Carlisle Elem/Middle School Middle School Kitchen Sink 1	8/30/2019	Multiple methods used	5221294005	☐	☐	☐
Carlisle Elem./Middle School Middle School Kitchen Sink 2	8/30/2019	Multiple methods used	5221294006	☐	☐	☐
Carlisle Elem/Middle school Gym Water Fountain	8/30/2019	Multiple methods used	5221294007	☐	☐	☐
Carlisle Elem/middle School Boys RR Sink	8/30/2019	Multiple methods used	5221294008	☐	☐	☐
Carlisle Elem/Middle School Girls RR Sink	8/30/2019	Multiple methods used	5221294009	☐	☐	☐
Carlisle Elem/Middle School Maintenance Shop	8/30/2019	Multiple methods used	5221294010	☐	☐	☐
				☐	☐	☐
				☐	☐	☐
				☐	☐	☐
				☐	☐	☐
				☐	☐	☐
				☐	☐	☐
				☐	☐	☐
				☐	☐	☐
				☐	☐	☐

Non-Transient Consumer Notice of Tap Water Lead Result

Dear Consumer:

Carlisle Elementary/Middle School is a public water system (PWS) responsible for providing drinking water that meets state and federal standards. Drinking water samples were collected at the following locations. Results are summarized in the table below:

Sample Tap Location	Sample Collection Date	Lead Level Result (µg/L)	Greater or Less than the Lead Threshold Level (15 µg/L)
Water Fountain Teacher Lounge	8/21/2019	ND	<
Teacher Lounge Sink	8/21/2019	4.6	<
Elementary Kitchen Sink	8/21/2019	.78	<
Teacher Restroom Sink	8/21/2019	9.6	<
Middle school Kitchen Sink 1	8/21/2019	ND	<
Middle School Kitchen Sink 2	8/21/2019	ND	<
Gym Water Fountain	8/21/2019	ND	<
Boys Restroom Sink	8/21/2019	ND	<
Girls Restroom Sink	8/21/2019	2.8	<
Maintenance Shop	8/21/2019	4.2	<

What Does This Mean?

Under the authority of the Safe Drinking Water Act, the US Environmental Protection Agency (EPA) established the action level for lead in drinking water at 15 micrograms per liter (µg/L). This means PWSs must ensure that water from taps used for human consumption do not exceed this level in at least 90 percent of the sites sampled (90^{th} percentile value). The action level is the concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a PWS must follow.

In 2018, Ohio EPA established the threshold level for lead in drinking water at 15 µg/L. The lead threshold level is the concentration of lead in an individual tap water sample which, if exceeded, triggers additional notification requirements for those served by the tap sampled. Additionally, if a sample exceeds the lead threshold level, the assocaited tap must be removed from service.

Because lead may pose serious health risks, US EPA established a Maximum Contaminant Level Goal (MCLG) of zero for lead. The MCLG is the level of a contaminant in drinking water below which there is no known or expected risk to health, allowing for a margin of safety.

What are the Health Effects of Lead?

Lead can cause serious health problems if too much enters your body from drinking water or other sources. It can cause damage to the brain and kidneys, and can interfere with the production of red blood cells that carry oxygen to all parts of your body. The greatest risk of lead exposure is to infants, young children, and pregnant women. Scientists have linked the effects of lead on the brain with lowered IQ in children. Adults with kidney problems and high blood pressure can be affected by low levels of lead more than healthy adults. Lead is stored in the bones, and it can be released later in life. During pregnancy, the child receives lead from the mother's bones, which may affect brain development.

Where Can I Get Health Screenings and Testing of Blood Lead Levels?

Health Screenings are available through Warren County Health District at 416 South East St. Lebanon Ohio 45036. They can be contacted at 937-695-1228 and www.warrenchdcom.

What Can I Do to Reduce Exposure to Lead if Found in My Drinking Water?

- ***Run your water to flush out lead.*** If water has not been used for several hours, run water for thirty seconds to two minutes before using it for drinking or cooking. This helps flush any lead in the water that may have leached from the plumbing.
- ***Use cold water for cooking and preparing baby formula.*** Do not cook with, drink water, or make baby formula from the hot water tap. Lead dissolves more easily in hot water.
- ***Do not boil water to remove lead.*** Boiling water will not reduce lead.

What are the Sources of Lead?

Lead is unusual among drinking water contaminants in that it seldom occurs naturally in water supplies like rivers and lakes. Lead enters drinking water primarily as a result of corrosion, or wearing away, of materials containing lead in the plumbing. Buildings built prior to 1986 are more likely to have lead pipes, fixtures, and solder. New buildings can also be at risk, since even legally 'lead-free' plumbing may contain up to 8 percent lead. The most common problem is with brass or chrome-plated brass fixtures which can leach significant amounts of lead into water, especially hot water.

For More Information, Please Contact: James Branson 937-746-0710 Ext.525 and James.Branson@CarlisleIndians.org; visit US EPA's Web site at www.epa.gov/lead; call the National Lead Information Center at 800-424-LEAD; or contact your health care provider.

Worksheet for Calculating Lead or Copper 90th Percentile

Sample Result
0
0
0
0
0
0.78
2.8
4.2
4.6
9.6

Analyte: *Lead*

Monitoring Period: *Jun-Sept 2019*

90th Percentile: **4.6000**

INSTRUCTIONS

1. Type in which chemical the 90th percentile is being calculed for beside 'Analyte' above.
2. Type in monitoring period for which 90th percentile is being calculated above. (e.g. Jun-Sep XX)
3. Enter sample results for all samples of the analyte chosen in step 1. Begin in cell A4 and enter one value per row in column A until all results have been entered. Note: If results are listed as Below Detection Limit (BDL) or < a value (e.g. <0.002), then enter 0 for that sample. This worksheet is limited to 300 samples (5 samples minimum).
4. Once all samples for that analyte are entered, click on the drop down box beside "Sample Result" above and click on "Sort Smallest to Largest".
5. Once sorted, the value displayed above is the 90th percentile. Print copy for your files.
6. Re open this spreadsheet and repeat above for the other analyte.
7. If the 90th Percentile is equal to or above 0.0155 mg/L (15.5 ug/L) for Lead or 1.350 mg/L (1350 ug/L) for Copper, contact your Ohio EPA District Inspector immediately to discuss what steps your water system needs to do.

Worksheet for Calculating Lead or Copper 90th Percentile

Sample Result		
45.8	**Analyte:**	*Copper*
52	**Monitoring Period:**	*Jun-Sept*
65.2	**90th Percentile:**	**164.0000**
76		
80.2		
84.6		
114		
120		
164		
168		

INSTRUCTIONS

1. Type in which chemical the 90th percentile is being calculed for beside 'Analyte' above.
2. Type in monitoring period for which 90th percentile is being calculated above. (e.g. Jun-Sep XX)
3. Enter sample results for all samples of the analyte chosen in step 1. Begin in cell A4 and enter one value per row in column A until all results have been entered. Note: If results are listed as Below Detection Limit (BDL) or < a value (e.g. <0.002), then enter 0 for that sample. This worksheet is limited to 300 samples (5 samples minimum).
4. Once all samples for that analyte are entered, click on the drop down box beside "Sample Result" above and click on "Sort Smallest to Largest".
5. Once sorted, the value displayed above is the 90th percentile. Print copy for your files.
6. Re open this spreadsheet and repeat above for the other analyte.
7. If the 90th Percentile is equal to or above 0.0155 mg/L (15.5 ug/L) for Lead or 1.350 mg/L (1350 ug/L) for Copper, contact your Ohio EPA District Inspector immediately to discuss what steps your water system needs to do.

Ohio Environmental Protection Agency

Verification of Lead Consumer Notice Issuance

PWS Name: Carlisle Elementary/Middle School
PWS ID: 8344512

Drinking Water Program - Compliance Notification
County: Warren

Submit this completed verification form within 5 business days of receipt of lead sample results. Submit to Ohio EPA DDAGW Central Office via email (preferred): DDAGW_lead_CN@epa.ohio.gov; fax: 614-644-2909; or mail: Ohio EPA - DDAGW, 50 West Town Street, Suite 700, Columbus, OH 43216 , Subject: Lead Consumer Notice.

Lead Consumer Notice Requirements

All lead results:

1. Issue Consumer Notice within two business days of receipt of lead sample results.
2. Deliver Consumer Notice to the owner and persons served from the sample location using one of the following methods:
   - **For results less than or equal to 15 µg/L:** E-mail, hand delivery, phone call, or mail
   - **For results greater than 15 µg/L:** E-mail, hand delivery, phone call with written follow up (mail, e-mail, or hand delivery)
   - **Any result (NTNC and Small Community Systems only):** Post near sample location for a minimum of 7 days.
3. If your PWS is a school, daycare, nursing home, or a juvenile correctional institution, you must provide lead consumer notice to legal guardians or powers of attorney within two business days of receipt of sample results. **Please indicate if this requirement was completed by checking the following box (only required if your PWS is a school, daycare, nursing home or correction institution).** ☒

Any individual lead result greater than 15 µg/L:

4. Within two business days of receipt of lead sample results, notify local health department of results.
5. Include information regarding the availability of health screenings and testing of lead blood levels in the CN.
6. **For NTNC systems only,** immediately remove from service all fixtures with results greater than 15 µg/L.

Fill in all sample data on the follwing page(s) and include all applicable information to verify lead consumer notice was issued in accordance with the requirements outlined above. Retain a copy of this report in your files with supporting documentation for a minimum of 12 years.

Include a representative copy of all CNs issued for lead samples less than or equal to 15 µg/L and one copy of each CN for lead samples greater than 15 µg/L.

By signing this document, whether handwritten or typed, I am providing a legal signature confirming that I acknowledge and warrant the truthfulness of the information provided in this document. I hereby certify that the Lead Consumer Notice was issued to all locations that were sampled by the dates specified on the following page(s). Issuance was made by the method(s) indicated.

Signature of Responsible Official	Printed Name	Title	Date
	JAMES BRANSON	MAINTENANCE I	8/30/2019

For Ohio EPA use only CN Verification Received Date: _____

CN on time: ☐ CN late: ☐ CN Acceptable: ☐ CN Not Acceptable: ☐

Verification of Lead Consumer Notice Issuance

Sampling Data

Fill in all applicable information below to verify lead consumer notice was issued in accordance with the requirements. Add additional rows as needed.

If a sample was submitted as DS000, include the sample location and address and submit an updated SMP ID Spreadsheet to your Ohio EPA District Office, as applicable.

Sample Location (LC### or Address and Sample Location)	**CN Delivery Date**	**CN Delivery Method** (Choose from drop down)	**Lab Sample Number**	**For any samples greater than 15 µg/L, check applicable boxes below**		
				Included info on health screening and lead blood level tests in CN	Notified Health Department	Removed fixture from service **(NTNC Only)**
Carlisle Highschool Boys Restroom Commons 1	8/30/2019	Multiple methods used	5221295001	☐	☐	☐
Carlisle HighSchool Boys Restroom Commons 2	8/30/2019	Multiple methods used	5221295002	☐	☐	☐
Carlisle Highschool Boys Restroom Commons 3	8/30/2019	Multiple methods used	5221295003	☐	☐	☐
Carlisle Highschool Boys Restroom Commons 4	8/30/2019	Multiple methods used	5221295004	☐	☐	☐
Carlisle Highschool Girls Restroom Commons 5	8/30/2019	Multiple methods used	5221295005	☐	☐	☐
Carlisle Highschool Girls Restroom Commons 6	8/30/2019	Multiple methods used	5221295006	☐	☐	☐
Carlisle Highschool Girls Restroom Commons 7	8/30/2019	Multiple methods used	5221295007	☐	☐	☐
Carlisle Highschool Girls Restroom Commons 8	8/30/2019	Multiple methods used	5221295008	☐	☐	☐
Carlisle Highschool Girls Restroom Commons 9	8/30/2019	Multiple methods used	5221295009	☐	☐	☐
Carlisle Highschool Girls Restroom Commons 10	8/30/2019	Multiple methods used	5221295010	☐	☐	☐
				☐	☐	☐
				☐	☐	☐
				☐	☐	☐
				☐	☐	☐
				☐	☐	☐
				☐	☐	☐
				☐	☐	☐
				☐	☐	☐
				☐	☐	☐

Non-Transient Consumer Notice of Tap Water Lead Result

Dear Consumer:

Carlisle High School is a public water system (PWS) responsible for providing drinking water that meets state and federal standards. Drinking water samples were collected at the following locations. Results are summarized in the table below:

Sample Tap Location	Sample Collection Date	Lead Level Result (µg/L)	Greater or Less than the Lead Threshold Level (15 µg/L)
Boys Restroom Commons 1	8/21/2019	ND	<
Boys Restroom Commons 2	8/21/2019	ND	<
Boys Restroom Commons 3	8/21/2019	1.3	<
Boys Restroom Commons 4	8/21/2019	ND	<
Girls Restroom Commons 5	8/21/2019	ND	<
Girls Restroom Commons 6	8/21/2019	ND	<
Girls Restroom Commons 7	8/21/2019	1.7	<
Girls Restroom Commons 8	8/21/2019	1.1	<
Kitchen Restroom 9	8/21/2019	.65	<
Gym Water Fountain	8/21/2019	ND	<

What Does This Mean?

Under the authority of the Safe Drinking Water Act, the US Environmental Protection Agency (EPA) established the action level for lead in drinking water at 15 micrograms per liter (µg/L). This means PWSs must ensure that water from taps used for human consumption do not exceed this level in at least 90 percent of the sites sampled (90^{th} percentile value). The action level is the concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a PWS must follow.

In 2018, Ohio EPA established the threshold level for lead in drinking water at 15 µg/L. The lead threshold level is the concentration of lead in an individual tap water sample which, if exceeded, triggers additional notification requirements for those served by the tap sampled. Additionally, if a sample exceeds the lead threshold level, the assocaited tap must be removed from service.

Because lead may pose serious health risks, US EPA established a Maximum Contaminant Level Goal (MCLG) of zero for lead. The MCLG is the level of a contaminant in drinking water below which there is no known or expected risk to health, allowing for a margin of safety.

What are the Health Effects of Lead?

Lead can cause serious health problems if too much enters your body from drinking water or other sources. It can cause damage to the brain and kidneys, and can interfere with the production of red blood cells that carry oxygen to all parts of your body. The greatest risk of lead exposure is to infants, young children, and pregnant women. Scientists have linked the effects of lead on the brain with lowered IQ in children. Adults with kidney problems and high blood pressure can be affected by low levels of lead more than healthy adults. Lead is stored in the bones, and it can be released later in life. During pregnancy, the child receives lead from the mother's bones, which may affect brain development.

Where Can I Get Health Screenings and Testing of Blood Lead Levels?

Health Screenings are available through Warren County HealthDistrict at 416 South East St Lebanon ohio 45036. They can be contacted at 937-695-1228 and www.warrenchd.com.

What Can I Do to Reduce Exposure to Lead if Found in My Drinking Water?

- ***Run your water to flush out lead.*** If water has not been used for several hours, run water for thirty seconds to two minutes before using it for drinking or cooking. This helps flush any lead in the water that may have leached from the plumbing.
- ***Use cold water for cooking and preparing baby formula.*** Do not cook with, drink water, or make baby formula from the hot water tap. Lead dissolves more easily in hot water.
- ***Do not boil water to remove lead.*** Boiling water will not reduce lead.

What are the Sources of Lead?

Lead is unusual among drinking water contaminants in that it seldom occurs naturally in water supplies like rivers and lakes. Lead enters drinking water primarily as a result of corrosion, or wearing away, of materials containing lead in the plumbing. Buildings built prior to 1986 are more likely to have lead pipes, fixtures, and solder. New buildings can also be at risk, since even legally 'lead-free' plumbing may contain up to 8 percent lead. The most common problem is with brass or chrome-plated brass fixtures which can leach significant amounts of lead into water, especially hot water.

For More Information, Please Contact: James Branson 937-746-0710 Ext.525 and James.Branson@Carlisleindians.org; visit US EPA's Web site at www.epa.gov/lead; call the National Lead Information Center at 800-424-LEAD; or contact your health care provider.

Worksheet for Calculating Lead or Copper 90th Percentile

Sample Result		
0	**Analyte:**	*Lead*
0	**Monitoring Period:**	*Jun-Sept 2019*
0		
0	**90th Percentile:**	**1.3000**
0		
0		
0		
0.65		
1.1		
1.3		
1.7		

INSTRUCTIONS

1. Type in which chemical the 90th percentile is being calculed for beside 'Analyte' above.
2. Type in monitoring period for which 90th percentile is being calculated above. (e.g. Jun-Sep XX)
3. Enter sample results for all samples of the analyte chosen in step 1. Begin in cell A4 and enter one value per row in column A until all results have been entered. Note: If results are listed as Below Detection Limit (BDL) or < a value (e.g. <0.002), then enter 0 for that sample. This worksheet is limited to 300 samples (5 samples minimum).
4. Once all samples for that analyte are entered, click on the drop down box beside "Sample Result" above and click on "Sort Smallest to Largest".
5. Once sorted, the value displayed above is the 90th percentile. Print copy for your files.
6. Re open this spreadsheet and repeat above for the other analyte.
7. If the 90th Percentile is equal to or above 0.0155 mg/L (15.5 ug/L) for Lead or 1.350 mg/L (1350 ug/L) for Copper, contact your Ohio EPA District Inspector immediately to discuss what steps your water system needs to do.

Worksheet for Calculating Lead or Copper 90th Percentile

Sample Result		
66.4	**Analyte:**	*Copper*
92.2	**Monitoring Period:**	*Jun-Sept 2019*
102	**90th Percentile:**	**223.0000**
132		
173		
182		
195		
198		
223		
242		

INSTRUCTIONS

1. Type in which chemical the 90th percentile is being calculed for beside 'Analyte' above.
2. Type in monitoring period for which 90th percentile is being calculated above. (e.g. Jun-Sep XX)
3. Enter sample results for all samples of the analyte chosen in step 1. Begin in cell A4 and enter one value per row in column A until all results have been entered. Note: If results are listed as Below Detection Limit (BDL) or < a value (e.g. <0.002), then enter 0 for that sample. This worksheet is limited to 300 samples (5 samples minimum).
4. Once all samples for that analyte are entered, click on the drop down box beside "Sample Result" above and click on "Sort Smallest to Largest".
5. Once sorted, the value displayed above is the 90th percentile. Print copy for your files.
6. Re open this spreadsheet and repeat above for the other analyte.
7. If the 90th Percentile is equal to or above 0.0155 mg/L (15.5 ug/L) for Lead or 1.350 mg/L (1350 ug/L) for Copper, contact your Ohio EPA District Inspector immediately to discuss what steps your water system needs to do.

Ohio Environmental Protection Agency

Verification of Lead Consumer Notice Issuance

PWS Name: Carlisle High School
PWS ID: 8344612

Drinking Water Program - Compliance Notification
County: Warren

Submit this completed verification form within 5 business days of receipt of lead sample results. Submit to Ohio EPA DDAGW Central Office via email (preferred): DDAGW_lead_CN@epa.ohio.gov; fax: 614-644-2909; or mail: Ohio EPA - DDAGW, 50 West Town Street, Suite 700, Columbus, OH 43216 , Subject: Lead Consumer Notice.

Lead Consumer Notice Requirements

All lead results:

1. Issue Consumer Notice within two business days of receipt of lead sample results.
2. Deliver Consumer Notice to the owner and persons served from the sample location using one of the following methods:
   - **For results less than or equal to 15 µg/L:** E-mail, hand delivery, phone call, or mail
   - **For results greater than 15 µg/L:** E-mail, hand delivery, phone call with written follow up (mail, e-mail, or hand delivery)
   - **Any result (NTNC and Small Community Systems only):** Post near sample location for a minimum of 7 days.
3. If your PWS is a school, daycare, nursing home, or a juvenile correctional institution, you must provide lead consumer notice to legal guardians or powers of attorney within two business days of receipt of sample results. **Please indicate if this requirement was completed by checking the following box (only required if your PWS is a school, daycare, nursing home or correction institution).** ☒

Any individual lead result greater than 15 µg/L:

4. Within two business days of receipt of lead sample results, notify local health department of results.
5. Include information regarding the availability of health screenings and testing of lead blood levels in the CN.
6. **For NTNC systems only,** immediately remove from service all fixtures with results greater than 15 µg/L.

Fill in all sample data on the follwing page(s) and include all applicable information to verify lead consumer notice was issued in accordance with the requirements outlined above. Retain a copy of this report in your files with supporting documentation for a minimum of 12 years.

Include a representative copy of all CNs issued for lead samples less than or equal to 15 µg/L and one copy of each CN for lead samples greater than 15 µg/L.

By signing this document, whether handwritten or typed, I am providing a legal signature confirming that I acknowledge and warrant the truthfulness of the information provided in this document. I hereby certify that the Lead Consumer Notice was issued to all locations that were sampled by the dates specified on the following page(s). Issuance was made by the method(s) indicated.

Signature of Responsible Official	Printed Name	Title	Date
	JAMES BRANSON	MAINTENANCE I	8/30/19

For Ohio EPA use only			CN Verification Received Date:	
CN on time: ☐	CN late: ☐		CN Acceptable: ☐	CN Not Acceptable: ☐

Verification of Lead Consumer Notice Issuance

Sampling Data

Fill in all applicable information below to verify lead consumer notice was issued in accordance with the requirements. Add additional rows as needed.

If a sample was submitted as DS000, include the sample location and address and submit an updated SMP ID Spreadsheet to your Ohio EPA District Office, as applicable.

Sample Location (LC### or Address and Sample Location)	**CN Delivery Date**	**CN Delivery Method** (Choose from drop down)	**Lab Sample Number**	**For any samples greater than 15 µg/L, check applicable boxes below**		
				Included info on health screening and lead blood level tests in CN	Notified Health Department	Removed fixture from service **(NTNC Only)**
Grigsby Intermediate Teacher Lounge	8/30/2019	Multiple methods used	5221293001	☐	☐	☐
Grigsby Intermediate Boys Restroom 1	8/30/2019	Multiple methods used	5221293002	☐	☐	☐
Grigsby Internediate Boys Restroom 2	8/30/2019	Multiple methods used	5221293003	☐	☐	☐
Grigsby Intermediate Gym Water Fountain	8/30/2019	Multiple methods used	5221293004	☐	☐	☐
Grigsby Intermediate Girls Reastroom 1	8/30/2019	Multiple methods used	5221293005	☐	☐	☐
				☐	☐	☐
				☐	☐	☐
				☐	☐	☐
				☐	☐	☐
				☐	☐	☐
				☐	☐	☐
				☐	☐	☐
				☐	☐	☐
				☐	☐	☐
				☐	☐	☐
				☐	☐	☐
				☐	☐	☐
				☐	☐	☐
				☐	☐	☐

Non-Transient Consumer Notice of Tap Water Lead Result

Dear Consumer:

Grigsby Intermediate is a public water system (PWS) responsible for providing drinking water that meets state and federal standards. Drinking water samples were collected at the following locations. Results are summarized in the table below:

Sample Tap Location	Sample Collection Date	Lead Level Result (µg/L)	Greater or Less than the Lead Threshold Level (15 µg/L)
Teacher Lounge	8/21/2019	ND	<
Boys Restroom 1	8/21/2019	.60	<
Boys Restroom 2	8/21/2019	ND	<
Gym Water Fountain	8/21/2019	ND	<
Girls Restroom Sink1	8/21/2019	ND	<
	Click or tap to enter a date.		
	Click or tap to enter a date.		
	Click or tap to enter a date.		
	Click or tap to enter a date.		
	Click or tap to enter a date.		

What Does This Mean?

Under the authority of the Safe Drinking Water Act, the US Environmental Protection Agency (EPA) established the action level for lead in drinking water at 15 micrograms per liter (µg/L). This means PWSs must ensure that water from taps used for human consumption do not exceed this level in at least 90 percent of the sites sampled (90^{th} percentile value). The action level is the concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a PWS must follow.

In 2018, Ohio EPA established the threshold level for lead in drinking water at 15 µg/L. The lead threshold level is the concentration of lead in an individual tap water sample which, if exceeded, triggers additional notification requirements for those served by the tap sampled. Additionally, if a sample exceeds the lead threshold level, the assocaited tap must be removed from service.

Because lead may pose serious health risks, US EPA established a Maximum Contaminant Level Goal (MCLG) of zero for lead. The MCLG is the level of a contaminant in drinking water below which there is no known or expected risk to health, allowing for a margin of safety.

What are the Health Effects of Lead?

Lead can cause serious health problems if too much enters your body from drinking water or other sources. It can cause damage to the brain and kidneys, and can interfere with the production of red blood cells that carry oxygen to all parts of your body. The greatest risk of lead exposure is to infants, young children, and pregnant women. Scientists have linked the effects of lead on the brain with lowered IQ in children. Adults with kidney problems and high blood pressure can be affected by low levels of lead more than healthy adults. Lead is stored in the bones, and it can be released later in life. During pregnancy, the child receives lead from the mother's bones, which may affect brain development.

Where Can I Get Health Screenings and Testing of Blood Lead Levels?

Health Screenings are available through Warren County Health District at 416 South East St. Lebanon Ohio 45036. They can be contacted at 937-695-1228 and www.warrenchd.com

What Can I Do to Reduce Exposure to Lead if Found in My Drinking Water?

- ***Run your water to flush out lead.*** If water has not been used for several hours, run water for thirty seconds to two minutes before using it for drinking or cooking. This helps flush any lead in the water that may have leached from the plumbing.
- ***Use cold water for cooking and preparing baby formula.*** Do not cook with, drink water, or make baby formula from the hot water tap. Lead dissolves more easily in hot water.
- ***Do not boil water to remove lead.*** Boiling water will not reduce lead.

***What* are the Sources of Lead?**

Lead is unusual among drinking water contaminants in that it seldom occurs naturally in water supplies like rivers and lakes. Lead enters drinking water primarily as a result of corrosion, or wearing away, of materials containing lead in the plumbing. Buildings built prior to 1986 are more likely to have lead pipes, fixtures, and solder. New buildings can also be at risk, since even legally 'lead-free' plumbing may contain up to 8 percent lead. The most common problem is with brass or chrome-plated brass fixtures which can leach significant amounts of lead into water, especially hot water.

For More Information, Please Contact: James Branson 937-746-0710 Ext.525 and James.Branson@CarlisleIndians.org; visit US EPA's Web site at www.epa.gov/lead; call the National Lead Information Center at 800-424-LEAD; or contact your health care provider.

Worksheet for Calculating Lead or Copper 90th Percentile

Sample Result		
0	**Analyte:**	*Lead*
0	**Monitoring Period:**	*Jum-Sept 2019*
0		
0	**90th Percentile:**	**0.2400**
0		
0		
0.6		

INSTRUCTIONS

1. Type in which chemical the 90th percentile is being calculed for beside 'Analyte' above.
2. Type in monitoring period for which 90th percentile is being calculated above. (e.g. Jun-Sep XX)
3. Enter sample results for all samples of the analyte chosen in step 1. Begin in cell A4 and enter one value per row in column A until all results have been entered. Note: If results are listed as Below Detection Limit (BDL) or < a value (e.g. <0.002), then enter 0 for that sample. This worksheet is limited to 300 samples (5 samples minimum).
4. Once all samples for that analyte are entered, click on the drop down box beside "Sample Result" above and click on "Sort Smallest to Largest".
5. Once sorted, the value displayed above is the 90th percentile. Print copy for your files.
6. Re open this spreadsheet and repeat above for the other analyte.
7. If the 90th Percentile is equal to or above 0.0155 mg/L (15.5 ug/L) for Lead or 1.350 mg/L (1350 ug/L) for Copper, contact your Ohio EPA District Inspector immediately to discuss what steps your water system needs to do.

Worksheet for Calculating Lead or Copper 90th Percentile

Sample Result		
20.6	**Analyte:**	*Copper*
25	**Monitoring Period:**	*Jun-Sept 2019*
33	**90th Percentile:**	**39.9000**
34.9		
44.9		

INSTRUCTIONS

1. Type in which chemical the 90th percentile is being calculed for beside 'Analyte' above.
2. Type in monitoring period for which 90th percentile is being calculated above. (e.g. Jun-Sep XX)
3. Enter sample results for all samples of the analyte chosen in step 1. Begin in cell A4 and enter one value per row in column A until all results have been entered. Note: If results are listed as Below Detection Limit (BDL) or < a value (e.g. <0.002), then enter 0 for that sample. This worksheet is limited to 300 samples (5 samples minimum).
4. Once all samples for that analyte are entered, click on the drop down box beside "Sample Result" above and click on "Sort Smallest to Largest".
5. Once sorted, the value displayed above is the 90th percentile. Print copy for your files.
6. Re open this spreadsheet and repeat above for the other analyte.
7. If the 90th Percentile is equal to or above 0.0155 mg/L (15.5 ug/L) for Lead or 1.350 mg/L (1350 ug/L) for Copper, contact your Ohio EPA District Inspector immediately to discuss what steps your water system needs to do.

Ohio Environmental Protection Agency

Verification of Lead Consumer Notice Issuance

PWS Name: Grigsby Intermediate
PWS ID: 5731412

Drinking Water Program - Compliance Notification
County: Montgomery

Submit this completed verification form within 5 business days of receipt of lead sample results. Submit to Ohio EPA DDAGW Central Office via email (preferred): DDAGW_lead_CN@epa.ohio.gov; fax: 614-644-2909; or mail: Ohio EPA - DDAGW, 50 West Town Street, Suite 700, Columbus, OH 43216 , Subject: Lead Consumer Notice.

Lead Consumer Notice Requirements

All lead results:

1. Issue Consumer Notice within two business days of receipt of lead sample results.
2. Deliver Consumer Notice to the owner and persons served from the sample location using one of the following methods:
   - **For results less than or equal to 15 µg/L:** E-mail, hand delivery, phone call, or mail
   - **For results greater than 15 µg/L:** E-mail, hand delivery, phone call with written follow up (mail, e-mail, or hand delivery)
   - **Any result (NTNC and Small Community Systems only):** Post near sample location for a minimum of 7 days.
3. If your PWS is a school, daycare, nursing home, or a juvenile correctional institution, you must provide lead consumer notice to legal guardians or powers of attorney within two business days of receipt of sample results. **Please indicate if this requirement was completed by checking the following box (only required if your PWS is a school, daycare, nursing home or correction institution).** ☒

Any individual lead result greater than 15 µg/L:

4. Within two business days of receipt of lead sample results, notify local health department of results.
5. Include information regarding the availability of health screenings and testing of lead blood levels in the CN.
6. **For NTNC systems only**, immediately remove from service all fixtures with results greater than 15 µg/L.

Fill in all sample data on the follwing page(s) and include all applicable information to verify lead consumer notice was issued in accordance with the requirements outlined above. Retain a copy of this report in your files with supporting documentation for a minimum of 12 years.

Include a representative copy of all CNs issued for lead samples less than or equal to 15 µg/L and one copy of each CN for lead samples greater than 15 µg/L.

By signing this document, whether handwritten or typed, I am providing a legal signature confirming that I acknowledge and warrant the truthfulness of the information provided in this document. I hereby certify that the Lead Consumer Notice was issued to all locations that were sampled by the dates specified on the following page(s). Issuance was made by the method(s) indicated.

Signature of Responsible Official	Printed Name	Title	Date
	James Branson	Maintenance I	8/30/19

For Ohio EPA use only				
CN on time: ☐	CN late: ☐	CN Verification Received Date:	CN Acceptable: ☐	CN Not Acceptable: ☐