



MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY
DRINKING WATER AND ENVIRONMENTAL HEALTH DIVISION

**LEAD AND COPPER REPORT AND
CONSUMER NOTICE FOR COMMUNITY WATER SUPPLY
FORM A – SUPPLIES WITH LEAD SERVICE LINES**

Issued under authority of the Michigan Safe Drinking Water Act, 1976 PA 399, as amended (Act 399), MCL 325.1001 et seq., and the Administrative Rules. Failure to submit this information is a violation of Act 399 and may subject the water supply to enforcement penalties.

Administrative Rule R 325.10710d requires water supplies to report lead and copper monitoring information within ten (10) days after the end of the monitoring period. This form may be used to meet this requirement. Form instructions are available on pages 9 - 11.

Supply Name: _____ WSSN: _____
County: _____ Population: _____
Monitoring Period: From: _____ To: _____
Minimum Number of Samples Required: _____ Number of Samples Taken: _____
Name of Certified Laboratory: _____

SAMPLE CRITERIA: This form is used for water supplies collecting some or all lead and copper samples from sites WITH LEAD SERVICE LINES. All other supplies should use Form B.

1. Are some or all samples from the sites WITH lead service lines? YES NO
(If no sites are served by a lead service line, **STOP** and use Form B.)
2. Did you prioritize sample collection according to the following? YES NO
 - a) Tier 1 sites must be used *unless* insufficient Tier 1 sites are available.
 - b) If insufficient Tier 1 sites are available, then Tier 2 sites must be used.
 - c) If there are insufficient Tier 2 sites, then Tier 3 sites must be used.
 - d) If there are no Tier 1, 2, or 3 sites available, sites must be representative of plumbing materials typically found throughout the water system.
 (For more information, see *Instructions* item 11 “Tier and Sample Category” at the end of this document.)
3. Are samples from the sites on your Lead and Copper Sampling Plan (LCSP)? YES NO
If no, explain why you sampled the site(s) and submit an updated LCSP.

4. Did you prioritize sample collection at previously sampled sites? YES NO
If no, explain why.

Add any additional comments on the next page, along with your signature.

5. Comments (add additional pages if necessary)

SIGNATURE:

Name: _____ Title: _____

Signature: _____ Date: _____

Telephone Number: _____

¹ Tier	² Category	Description
Tier 1	A*	Single Family with lead service line (LSL)
Tier 1	B	Single Family with interior lead plumbing
Tier 1	C*	Multi Family Residence (MFR) with a LSL, if MFRs comprise at least 20% of total service connections
Tier 2	D*	Multi Family or building with LSL
Tier 2	E	Multi Family or building with interior lead plumbing
Tier 3	F	Single Family with copper plumbing with lead solder installed before 1988
Other	OT	If no Tier 1, 2, 3 sites, use sites representative of plumbing commonly found throughout the supply

*Use Report Form A if any samples collected were from sites with LSLs to allow reporting of 1st and 5th liter results.

³ Material	⁴ Tap Type
L = Lead	K = Kitchen
CLS = Copper with lead solder (building plumbing only)	B = Bathroom Sink
C = Copper	O = Other (not an option for residential sites)
G = Galvanized	This box is N/A
P = Plastic	This box is N/A

CONSUMER NOTICE OF LEAD AND COPPER RESULTS REQUIREMENTS AND CERTIFICATION

Each community water supply must deliver a Consumer Notice of Lead and Copper Results (Consumer Notice) to the occupants at each location sampled within 30 days of learning the sample results as required under R 325.10410(5) of the administrative rules promulgated under Act 399. Failure to deliver the Consumer Notice to each location on time will result in a reporting violation.

Instructions:

- A. Use the Consumer Notice Form A template for sites *with* lead service lines or Consumer Notice Form B template for sites *without* lead service lines. See the examples on Page 12 to document results from both sites with a lead service line and without a lead service line.
- B. Complete one Consumer Notice for each home or building that was sampled. **MAKE SURE UNITS ARE CORRECT BEFORE DISTRIBUTING TO CONSUMERS.**
Note: 1 mg/L = 1 ppm = 1,000 ppb Example: 0.002 mg/L = 0.002 ppm = 2 ppb
- C. Mail or hand deliver each Consumer Notice to the corresponding home or building sampled.
- D. Water supplies have 90 days after the end of the monitoring period to submit a sample copy of the Consumer Notice along with a signed certification that notices have been distributed as required under R 325.10710d(f)(3) to the appropriate EGLE district office. When possible, EGLE encourages water supplies to send the sample Consumer Notice and certification (pages 6-8 of this document) along with the Lead and Copper Report (pages 1 and 2 of this document), which is due within ten (10) days after the end of the monitoring period. Please complete all forms.

Certification:

I hereby certify that the Consumer Notice has been provided to persons served at each of the taps that were tested, including all the following information:

- Delivery was by mail, hand delivery, or another method approved by EGLE.
- Delivery was within 30 days of knowing the result.
- Consumer Notice includes required content:
 - The results of lead and copper tap monitoring for the site that was sampled.
 - An explanation of the health effects of lead and copper.
 - The steps consumers can take to reduce exposure to lead in drinking water.
 - Contact information for the public water supply.
 - The maximum contaminant level goal and the action level for lead and copper with the definitions explaining each.

Please **initial** each line verifying that each requirement was completed:

_____ A Consumer Notice was sent to persons served at each of the taps that were tested.

_____ Delivery was by mail, hand delivery, or another method approved by EGLE.

_____ Each Consumer Notice was delivered to the resident within 30 days of knowing the results.

_____ Each Consumer Notice included the required content as stated above.

_____ A sample copy of a Consumer Notice sent to a resident ***is attached***.

Water Supply Name _____ WSSN _____

Name _____ Title _____

Signature _____ Date _____



MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

Drinking Water and Environmental Health Division

CONSUMER NOTICE OF LEAD AND COPPER RESULTS IN DRINKING WATER SITE WITH A LEAD SERVICE LINE

Water Supply Name: _____

Sample Site Address: _____ WSSN: _____

Sample Location: _____ Date Sampled: _____

Thank you for participating in the lead and copper monitoring of drinking water. The levels of lead and copper found at your location are in the table below. Your home is served by a lead service line. This means that the pipe that brings water to your home contains lead. The first liter sample represents the water you are likely to drink when turning on the tap, and the fifth liter sample likely represents the water in the service line.

Table with 5 columns: Contaminant, Action Level, Maximum Contaminant Level Goal, 1st Liter Result, 5th Liter Result. Rows include Lead (ppb) and Copper (ppb).

Action Level (AL): The concentration of a contaminant which, if exceeded, triggers treatment or other requirements that a water system must follow.

Maximum Contaminant Level Goal (MCLG): The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.

ppb: Parts per billion or micrograms per liter.

ND: Not detected.

To reduce exposure to lead and copper in drinking water:

- Run your water before drinking. The more time water has been sitting in your home's pipes, the more lead it may contain. Therefore, if your water has not been used for several hours, run the water before using it for drinking or cooking. This flushes lead-containing water from the pipes. Additional flushing may be required for homes that have been vacant or have a longer service line.
- If you do not have a lead service line, run the water for 30 seconds to two minutes, or until it becomes cold or reaches a steady temperature.
- If you do have a lead service line, run the water for at least five minutes to flush water from both the interior building plumbing and the lead service line.
Use cold water for drinking, cooking, and preparing baby formula. Do not cook with or drink water from the hot water tap. Lead and copper dissolve more easily in hot water.
Do not boil water to remove lead and copper. Boiling water will not reduce lead and copper levels.
Everyone can consider using a filter to reduce lead in drinking water. The Michigan Department of Health and Human Services (MDHHS) recommends every household use a

certified lead filter to reduce lead from their drinking water, especially households with a child, pregnant person, an individual with high blood pressure, or people residing in houses built before 1987. MDHHS also recommends making baby formula or cooking with filtered



System Tested and Certified by NSF International against NSF/ANSI Standard 53 for the reduction of Lead.

water. Look for filters that are tested and certified to NSF/ANSI Standard 53 for lead reduction and NSF/ANSI Standard 42 for particulate reduction (Class I). Some filter options include a pour through pitcher or a

faucet-mount system. If the label does not specifically mention lead reduction, check the Performance Data Sheet included with the device. Be sure to maintain and replace the filter in accordance with the manufacturer's instructions to protect water quality.

- **Consider purchasing bottled water.** The Food and Drug Administration regulates bottled water. The bottled water standard for lead is 5 ppb.
- **Identify older plumbing fixtures that likely contain lead.** Older faucets, fittings, and valves sold before 2014 may contain higher levels of lead, even if marked "lead-free." Faucets, fittings, and valves sold after January 2014 are required to meet a more restrictive "lead-free" definition but may still contain up to 0.25 percent lead. When purchasing new plumbing materials, it is important to look for materials that are certified to meet NSF Standard 61. The United States Environmental Protection Agency (EPA) prepared a brochure that explains the various markings that can indicate that materials meet the new "lead free" definition: [How to Identify Lead Free Certification Markings](#).
- **Clean your aerator.** The aerator on the end of your faucet is a screen that will catch debris. This debris could include particulate lead. As part of routine maintenance, the aerator should be removed at least every six months to rinse out any debris that may include particulate lead.
- **Get your child tested.** Contact your local health department or healthcare provider to find out how you can get your child tested for lead if you are concerned about exposure.

LEAD can cause serious health and developmental problems. It can cause damage to the brain and kidneys, and it 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. Although other sources of lead exposure exist, such as lead paint, and lead contaminated dust, your water supply is contacting you to reduce your risk of exposure to lead in drinking water. If you have questions about other sources of lead exposure, please contact your local health department.

COPPER is an essential nutrient, but some people who drink water containing copper in excess of the action level over a relatively short amount of time could experience gastrointestinal distress. Some people who drink water containing copper in excess of the action level over many years could suffer liver or kidney damage.

People with Wilson's Disease should consult their healthcare provider.

The EPA estimates that 20 percent or more of human exposure to lead may come from drinking water. Infants who consume mostly mixed formula can receive 40 percent to 60 percent of their exposure to lead from drinking water.

For more information on reducing lead exposure around your home and the health effects of lead, visit the [EPA](http://www.EPA.gov/Lead) website at www.EPA.gov/Lead, call the National Lead Information Center at 800-424-LEAD, or contact your healthcare provider.

For more information on copper, visit the [United States Center for Disease Control](http://www.ATSDR.CDC.gov/Index.html) website at www.ATSDR.CDC.gov/Index.html, or contact your healthcare provider.

For more information regarding your water supply, contact us at _____

Instructions for Completing the Lead and Copper Report Forms

➤ **If you are unsure which form to use (Form A or Form B), please refer to Step 13.**

1. **SUPPLY NAME:** Enter the name of the public water supply where sampling is being conducted.
2. **COUNTY:** Enter the name of the county in which the public water supply is located.
3. **WSSN:** Enter the five-digit public water supply serial number (e.g., 01234 or 40999).
4. **POPULATION:** Enter the number of people served by the public water supply.
5. **MONITORING PERIOD:** Enter the beginning and end dates of the monitoring period during which the sampling took place (e.g., from 06/01/2018 to 09/30/2018).
6. **MINIMUM NUMBER OF SAMPLES REQUIRED:** This number is according to the rules based on population or set by EGLE for lead/copper tap sampling for this public water supply.
7. **NUMBER OF SAMPLES TAKEN:** Indicate the number of tap samples taken for lead and copper analysis during this monitoring period.
8. **NAME OF CERTIFIED LABORATORY:** Enter the name of the certified laboratory that performed the lead and copper analyses on samples taken during the monitoring period.
9. **SAMPLE CRITERIA:** Answer the questions accordingly and explain when necessary.
10. **SIGNATURE:** The authorized utility official enters their name, title, phone number, and then signs and dates.
11. **LEAD SERVICE LINE TAP SAMPLING DATA:** Enter the name of the public water supply and the water supply serial number. Complete the remainder of the form as follows:

Sample Location: Enter the street address of the location where each lead and copper tap sample were taken.

Sample Date: Enter the date the tap sample was collected.

Tier and Sample Category: Use the following numbers (Tiers) and letters (Categories) to designate the location criteria of the sample site:

Site	Sample Category	Description
Tier 1	A*	Single family residence with a lead service line.
Tier 1	B	Single family residence with lead interior plumbing.
Tier 1	C*	Multi-family residence (MFR) with a lead service line. *Note: Only serve as Tier 1 sites when MFR comprise at least 20 percent (20%) of the total service connections of the system.
Tier 2	D*	Multi-family residences or other buildings with a lead service line.
Tier 2	E	Multi-family residences or other buildings with lead interior plumbing.
Tier 3	F	Single family residence with copper plumbing with lead solder installed before July 1988.
Other	N/A	If no Tier 1, 2, 3 sites available, sample sites that use plumbing materials commonly found at other locations in the water supply.

*If lead service lines are present, report both 1st and 5th liter sample results. Refer to step 13 on page 12 for examples of how to report sample results from a combination of sites with lead service lines and without lead service lines.

Service Line and Building Plumbing Materials: Designate the type of service line and building plumbing piping materials used at the location where the lead and copper tap sample was collected.

Service Line Material	Interior Plumbing Material
L* = Lead*	L = Lead
C = Copper	CLS = Copper with lead solder installed before July 1988
G = Galvanized	C = Copper installed after July 1988
P = Plastic	G = Galvanized
This box is N/A	P = Plastic

*If lead service lines are present, use Report Form A to report both 1st and 5th liter sample results.

Tap Type: Designate whether the sample was collected from a kitchen tap (K) or bathroom tap (B). “Other” can only be used at non-residential sites (i.e., commercial, or industrial buildings), and if used, provide additional information explaining why the sample should be used for compliance.

First Liter Sample: First draw, one liter volume, collected in a wide-mouth bottle, one-liter bottle after a minimum six-hour stagnation period from a cold-water K or B tap that has been used within the last few weeks.

Do not sample through a point-of-use or point-of-entry treatment device designed to remove inorganics.

Do not flush the water prior to stagnation.

Do not clean or remove the aerator prior to stagnation or during sampling.

Fifth Liter Sample: An additional three liters of water should be collected after the first liter samples has been collected. The fifth liter sample should also be one liter in volume, collected in a wide-mouth bottle from a cold-water K or B tap that has been used within the last few weeks.

Do not sample through a point-of-use or point-of-entry treatment device designed to remove inorganics.

Do not turn off the tap in between the first and fifth liter.

Do not allow any water to run down the drain during sampling.

Lead: Enter the concentration of lead in milligrams per liter (mg/L) or micrograms per liter (ug/L) as reported by the certified lab. Check the box at the top of column that indicates the units reported.

Copper: Enter the concentration of copper in mg/L or ug/L as reported by the certified lab. Check the box at the top of column that indicates the units reported.

Lab Sample Number: Enter the sample number or specific identification given by the certified lab.

12. SEND ALL COMPLETED PAPERWORK:

Submit your completed documents to EGLE via your Michigan Environmental Health and Drinking Water Information System (MiEHDWIS) account, or via email to your EGLE district office email address.

DISTRICT OFFICE EMAIL ADDRESS:

Bay City District Office	EGLE-DWEH-Bay-City@Michigan.gov
Cadillac District Office	EGLE-DWEH-Cadillac@Michigan.gov
Grand Rapids District Office	EGLE-DWEH-Grand-Rapids@Michigan.gov
Jackson District Office	EGLE-DWEH-Jackson@Michigan.gov
Kalamazoo District Office	EGLE-DWEH-Kalamazoo@Michigan.gov
Lansing District Office	EGLE-DWEH-Lansing@Michigan.gov
Marquette District Office	EGLE-DWEH-Marquette@Michigan.gov
Warren District Office	EGLE-DWEH-Warren@Michigan.gov

Mailing address for all districts: Drinking Water and Environmental Health Division
Constitution Hall
P.O. Box 30817
Lansing, Michigan 48909-8311

13. EXAMPLES FOR COMPLETING FORM:

Supply **only** sampling sites **WITH** lead service lines:

Reported results are mg/L or ug/L (select units that apply)

Sample Location	Sample Date	Tier (1, 2, 3, OT) ¹	Category ²	Service Line (L*, C, G, P) ³	Building Plumbing (L, CLS, C, G, P) ³	Tap Type (K, B, O) ⁴	1 st Liter Lead	1 st Liter Copper	1 st Liter Lab Sample Number	5 th Liter Lead	5 th Liter Copper	5 th Liter Lab Sample Number
123 First St	06/01/22	1	A	L	C	K	0.005	0.003	XY123	0.010	0.600	XY124
1234 Third St	06/01/22	1	A	L	P	B	0.002	0.005	XY125	0.016	0.070	XY126

Supply sampling a **combination** of lead and non-lead service line sites:

Reported results are mg/L or ug/L (select units that apply)

Sample Location	Sample Date	Tier (1, 2, 3, OT) ¹	Category ²	Service Line (L*, C, G, P) ³	Building Plumbing (L, CLS, C, G, P) ³	Tap Type (K, B, O) ⁴	1 st Liter Lead	1 st Liter Copper	1 st Liter Lab Sample Number	5 th Liter Lead	5 th Liter Copper	5 th Liter Lab Sample Number
123 First St	06/01/22	1	A	L	C	K	0.005	0.07	XY123	0.010	0.002	XY124
1234 Third St	06/01/22	1	A	L	P	B	0.002	0.05	XY125	0.016	1.0	XY126
678 Fourth St	06/01/22	3	F	G	CLS	K	0.002	0.7	XY127	N/A*	N/A*	N/A*
90102 Fifth St	06/01/22	Other	OT	C	C	B	0.002	0.3	XY128	N/A*	N/A*	N/A*

*N/A = Not Applicable – because the 5th liter sample is not required at Tier 3 locations.

If you need this information in an alternate format, contact EGLE-Accessibility@Michigan.gov or call 800-662-9278.

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