



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

**SAMPLING PLAN – LEAD AND COPPER**

Issued under authority of the Michigan Safe Drinking Water Act, 1976 PA 399, and Administrative Rules, as amended. Administrative Rule R 325.10710a requires a water supply to monitor for lead and copper according to a pool of targeted sampling sites in accordance.

**Water Supply Information:**

Supply Name	WSSN
Address	County
City, State, Zip Code	Population Served

**Contacts – Water Supply:**

Name and Title	E-mail	Telephone

**Contacts – EGLE and Other:**

EGLE Lead and Copper Contacts: Go to [Michigan.gov/LCR](http://Michigan.gov/LCR)

EGLE Drinking Water District Analyst Name	E-mail	Telephone
EGLE Drinking Water District Engineer Name	E-mail	Telephone
<u>Pollution Emergency Alerting System Information (PEAS)</u>		<u>800-292-4706</u>
Call PEAS telephone number if unable to contact EGLE staff		Telephone
Local Official Name	E-mail	Telephone
Local Official Name	E-mail	Telephone

---

Health Department Name

---

E-mail

---

Telephone

**Public Advisory, Education, and Notification:**

---

Means of Distributing Information to the Public

---

Newspaper Name and City

---

E-mail

---

Telephone

---

Radio/Television Name and Address or City

---

E-mail

---

Telephone

**Date Cover Sheet Updated:**

---

**MICHIGAN COMMUNITY WATER SUPPLY LEAD AND COPPER TAP SAMPLING PLAN**

**>REVIEW INSTRUCTIONS ON PAGES 5 AND 6 BEFORE COMPLETING THE FORM BELOW<<**

WSSN: \_\_\_\_\_ Supply Name: \_\_\_\_\_ Page \_\_\_\_\_ of \_\_\_\_\_

Standard Number of Sites Required: \_\_\_\_\_ Reduced Number of Sites Required: \_\_\_\_\_

Site No.	Address	Tier Level	Category	Structure Type	Service Line Material	Interior Plumbing Material	Site Validation Method
00	<i>Ex: 0000 Any Street – Any Town, MI</i>	1	A	SFR	L	C	Visual
01							
02							
03							
04							
05							
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							

**Use next page to record additional sampling sites.**

**Plan Completed By:**

\_\_\_\_\_

Print Name

\_\_\_\_\_

Title

\_\_\_\_\_

Signature

\_\_\_\_\_

Date



## Michigan Lead and Copper Rule Lead and Copper Tap Sample Site Selection Criteria

Community water supplies must identify a pool of lead and copper sampling sites containing **AT LEAST** the number of sites necessary to conduct **STANDARD** monitoring (see instructions for number of required sites). It is highly recommended that the sampling pool contain more sites than required in case routine sites are unavailable at time of sampling. The sampling pool must target high risk sites using the criteria below.

- **Samples must be collected from Tier 1 sites, unless ...**
- insufficient Tier 1 sampling sites are available, then **Tier 2** sites must be used, unless ...
- insufficient Tier 1 and Tier 2 sampling sites are available, then **Tier 3** sites must be used.
- If no Tier 1, 2, or 3 sites are available, sampling sites must be representative of plumbing materials typically found throughout the water system.

<p><b><u>TIER 1 SITES - Single family residences with either:</u></b></p> <ul style="list-style-type: none"><li>○ Lead service lines (LSL)*</li><li>○ Interior lead plumbing</li></ul> <p>Multiple family residences (MFR) with LSLs* may be used as Tier 1 sites when MFR comprise at least 20 percent of the total service connections.</p>
<p><b><u>TIER 2 SITES – Other buildings or multiple family residences with either:</u></b></p> <ul style="list-style-type: none"><li>○ LSL*</li><li>○ Interior lead plumbing</li></ul>
<p><b><u>TIER 3 SITES - Single family residences with:</u></b></p> <ul style="list-style-type: none"><li>○ Copper plumbing with lead solder (CLS) installed before July 1988</li></ul>
<p><b><u>OTHER SITES</u></b></p> <ul style="list-style-type: none"><li>○ Sites representative of plumbing materials commonly found throughout the water supply.</li></ul>
<p><b>* Priority should be placed on sites with full LSLs, followed by partial LSLs, followed by lead goosenecks or pigtails.</b></p>










### **Also Note:**

- Each round of sampling should be conducted at the **SAME** sampling sites unless ...
  - a site no longer meets tiering criteria (for example, a site is no longer Tier 1 after having the lead service line replaced); or
  - a site is unavailable (for example, a site has no water service, resident refuses to participate, etc.)
- **DO NOT** sample from outside hose spigots or utility sinks.
  - For residential sites, samples **MUST BE** collected from kitchen or bathroom taps typically used for consumption. For non-residential sites, samples **MUST BE** collected from taps typically used for consumption.
- Samples **MAY NOT** be taken from taps that have point of use or point of entry treatment devices designed to remove inorganic contaminants, such as an iron removal filter, reverse osmosis system, or water softener.

## Lead and Copper Sampling Pool Form Instructions

**Water Supply Name, WSSN, and County:** Enter your water supply information.

**Standard Number of Sites Required:** Enter the standard number of sites you are required to sample based on your population.

**Reduced Number of Sites Required:** Enter the number of sites you would be required to sample if EGLE reduces your monitoring.

**Address:** Enter the street number or other unique identifier (such as lot or unit number) of the sampling site and include the city if the water utility services multiple cities.

People Served	Standard Sites	Reduced Sites
More than 100,000	100	50
10,001 to 100,000	60	30
3,301 to 10,000	40	20
501 to 3,300	20	10
101 to 500	10	5
Fewer than 101	5	5

**Tier, Category, and Structure Type:** Enter the appropriate codes from the table below in the Tier, Category, and Structure Type columns to identify the selection criteria for each site.

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

**Service Line and Interior Plumbing Material:** Enter the appropriate codes from the table below in the Service Line Material and Interior Plumbing Material columns.

Service Line Material
L = Lead
C = Copper
G = Galvanized
P = Plastic

Interior Plumbing Material
L = Lead
CLS = Copper with lead solder installed before July 1988
C = Copper installed after July 1988
G = Galvanized
P = Plastic

**Site Validation Method:** Enter method used to verify site information (permit records, visual inspection, etc.).

**NOTE:** It is **highly recommended** that the plan contains more sites than are required for standard monitoring. For example, if the standard number of required sampling sites is ten, list five or more additional, appropriately tiered sites that may be used as an alternate if an original site is unavailable.

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

---

If you need this information in an alternate format, contact [EGLE-Accessibility@Michigan.gov](mailto:EGLE-Accessibility@Michigan.gov) or call 800-662-9278.

EGLE does not discriminate on the basis of race, sex, religion, age, national origin, color, marital status, disability, political beliefs, height, weight, genetic information, or sexual orientation in the administration of any of its programs or activities, and prohibits intimidation and retaliation, as required by applicable laws and regulations.

This form and its contents are subject to the Freedom of Information Act and may be released to the public.