

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY  
 OFFICE OF DRINKING WATER AND MUNICIPAL ASSISTANCE  
**LEAD AND COPPER REPORT AND  
 CONSUMER NOTICE OF LEAD RESULT  
 CERTIFICATE FOR COMMUNITY WATER SUPPLY**



Issued under authority of 1976 PA 399, MCL 325.1001 *et al.*, and Administrative Rules, as amended.  
 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 10 days after the end of the monitoring period. This form may be used to meet this requirement. Submit the information to the appropriate Department of Environmental Quality (DEQ) district office. For district office addresses, visit [www.michigan.gov/deq](http://www.michigan.gov/deq) and click on Locations.

1. Water Supply Name: City of Big Rapids Water Treatment Plant

2. County: Mecosta 3. WSSN: 0710

4. Population: 10,800 5. Monitoring Period: From: 1/1/2017 To: 6/30/2017

6. Minimum # of Samples Required: 60 7. # of Samples Taken: \_\_\_\_\_

8. Name of Certified Laboratory: MDEQ Laboratory Services

9. SAMPLE CRITERIA:

Yes	No	Explain No responses in Comments block.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	a. Are the same sampling points used as in the previous monitoring period?
<input type="checkbox"/>	<input checked="" type="checkbox"/>	b. Are all samples from Tier 1 sites?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	c. Are all samples from Tier 1, 2, or 3 sites giving Tier 1 priority?
<input type="checkbox"/>	<input type="checkbox"/>	d. If no Tier 1, 2, or 3 sites are available, do all sites have plumbing materials commonly found at other locations in the system?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	e. Is the minimum number of lead service line samples taken (when applicable)?
For more information see <i>Instructions</i> paragraph 11, subparagraph "Sample Category."		
<p>Comments: Our Lead and Copper sample pool was recently reviewed and several sites needed to be removed or recoded as per the Tier and sample category regulations. After removing several sites a large effort was given to add as many Tier 1 sites as possible to this sample pool. Top priority was given to all Tier 1 sites when attempting to collect our samples for this monitoring period.</p>		

10. NAME:

Name: Steven J Cook

Title: WTP Superintendent Phone: (231) 796-6231 Date: \_\_\_\_\_

11. TAP SAMPLING DATA: (Use additional sheets as needed)

Water Supply Name/County City of Big Rapids Water Treatment Plant - Mecosta WSSN 0710

RESULTS:

Sample Location	Sample Date	Sample Category <sup>1</sup>	Service Lines <sup>2</sup>	Bldg Plumbing <sup>2</sup>	Lead (ppb)	Copper (ppb)	Lab #
325 N DeKraft	6/5/2017	II-5	C	C			
210 Escott	6/5/2017	II-5	C	C			
730 Osceola	6/5/2017	II-5	C	C			
226 N Michigan	6/5/2017	II-5	C	C			
625 S State	6/5/2017	II-5	C	C			
701 Novak	6/5/2017	I-2	C	C			
604 S State	6/6/2017	II-5	C	C			
500 N Bronson	6/6/2017	II-5	C	C			
614 S State	6/6/2017	II-5	C	C			
1038 N Fourth	6/6/2017	III-6	C	C			
812 Farnsworth	6/6/2017	III-6	C	C			
FSU GEN	6/6/2017	II-5	C	C			
805 West Ave	6/6/2017	II-5	C	C			
FSU PLS	6/7/2017	II-5	C	C			
FSU CPD (MRPC)	6/7/2017	II-5	C	C			
FSU HEQ	6/7/2017	II-5	C	C			
618 Willow	6/7/2017	III-6	C	C			

<sup>1</sup> Sample Category: Enter a number 1 through 6 to designate the category of tap sample site. For more information see *Instructions* paragraph 11, subparagraph "Sample Category."

<sup>2</sup> Materials used for service line and building plumbing: Enter C = copper; G = galvanized; L = lead; or P = plastic.

TO BE DETERMINED BY DEQ

	90 <sup>th</sup> percentile	Ave	Max	# > AL
Pb				
Cu				

12. CONSUMER NOTICE OF LEAD RESULT CERTIFICATION: Each Community Water Supply (CWS) must deliver a Consumer Notice Of Lead Result to occupants of each location sampled within 30 days of knowing the sample result under R 325.10410(5).

Not later than 3 months following the end of the monitoring period, each CWS must mail a sample copy of the Consumer Notice Of Lead Result to the DEQ along with a certification that the notice has been distributed under R 325.10710d(f)(3).

**Instructions:**

- A. Use the Consumer Notice template on the next page or another approved by the DEQ.
- B. Complete one Consumer Notice for each home or building that was sampled.
- C. Mail each Consumer Notice to its corresponding home or building sampled.
- D. Select **one (1) example copy** of a notice sent to a consumer. On the bottom of the Consumer Notice, certify that:
  - A Consumer Notice was sent to persons served at each of the taps that was tested
  - Delivery was by mail or another method approved by the DEQ
  - Delivery was within 30 days of knowing the result
  - Consumer Notice includes required content:
    - The result of lead tap water monitoring for the tap that was tested
    - An explanation of the health effects of lead
    - 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 the definitions for these two terms
- E. Send only **one (1) certified completed example copy** to the DEQ district office\*

\* For district office addresses, visit [www.michigan.gov/deq](http://www.michigan.gov/deq) and click on Contacts.

# Consumer Notice of Lead Result in Drinking Water

Water Supply Name: City of Big Rapids Water Treatment Plant  
 County: Mecosta WSSN: 0710  
 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.

Key to Table	Contaminant	AL	MCLG	Your Result
<b>Action Level (AL):</b> The concentration of a contaminant which, if exceeded, triggers treatment or other requirements that a water system must follow. <b>Maximum Contaminant Level Goal (MCLG):</b> 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. <b>ppb:</b> parts per billion or micrograms per liter.	Lead (ppb)	15	0	
	Copper (ppb)	1300	1300	

*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 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.*

To reduce exposure to lead in drinking water:

- *Run your water to flush out lead.* Run the water until it becomes cold.
- *Use cold water for cooking and preparing baby formula.* Do not cook with or drink water 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 levels.
- *Look for alternative sources or treatment of water.* If your lead result is above 15 ppb, you may want to consider purchasing bottled water or a water filter. Read the package to be sure the filter is approved to reduce lead or contact NSF International at 800-NSF-8010, or [www.nsf.org](http://www.nsf.org) for information on performance standards for water filters.
- *Identify if your plumbing fixtures contain lead.* New faucets, fittings, and valves, may contain up to 0.25 percent lead including those advertised or labeled as "lead-free" and may contribute lead to drinking water. Consumers should be aware of this when choosing fixtures and take appropriate precautions.

Although the primary sources of lead exposure for most children are deteriorating lead-based paint, lead-contaminated dust, and lead-contaminated soil, the U.S. EPA estimates that 10 to 20 percent of human exposure to lead may come from drinking water.

For more information, contact us at: City of Big Rapids WTP (231) 796-6231.  
 For more information on reducing lead exposure around your home and the health effects of lead, visit the U.S. EPA's Web site at [www.epa.gov/lead](http://www.epa.gov/lead), call the National Lead Information Center at 800-424-LEAD, or contact your health care provider.

Certification: \_\_\_\_\_ WSSN: \_\_\_\_\_  
 I certify that this public water supply has provided the consumer notice of lead result to persons served at each of the taps that was tested, either by mail or by another method approved by the DEQ, within 30 days of knowing the result. The Notice includes required content.

\_\_\_\_\_  
 Signature Title Date Sent to Consumer  
 Reminder to water supplier: Complete this certification on only one (1) example copy of a notice sent to a consumer and submit it to the DEQ.

## Instructions for Completing Lead and Copper Report Form

1. WATER 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 5-digit public water supply serial number (e.g., 01234 or 40123).
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 06/01/2009 to 09/30/2009).
6. MINIMUM # OF SAMPLES REQUIRED: This number is according to the rules based on population or set by the DEQ for lead/copper tap sampling for this public water supply.
7. # OF SAMPLES TAKEN: Indicate the number of tap samples taken for lead and copper analysis in the monitoring period.
8. NAME OF CERTIFIED LABORATORY: Enter the name of the certified laboratory performing the lead/copper analyses on samples taken in the monitoring period.
9. SAMPLE CRITERIA: Answer the questions accordingly, briefly explaining, where necessary, the reason for your action.
10. NAME: Enter the name, title, and phone of the authorized water utility official and date.
11. TAP SAMPLING DATA: Enter the name of the public water supply and the WSSN. Complete the remainder of the sheet as follows:

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

Date: Enter the date the tap sample was collected.

Sample Category: Use the following numbers to designate the location criteria being met by the sample site:

	Sample Category	
Tier 1 Sites	1	Single family residence with lead service line.
	2	Single family residence with lead solder copper piping constructed after 1982.
	3	Single family residence with lead plumbing.
	4	Multiple family residence (MFR) with either lead service line, lead solder copper piping constructed after 1982, or lead plumbing (when MFR comprise at least 20 percent of the total service connections).
Tier 2 Sites	5	Buildings with lead service lines, lead solder copper piping constructed after 1982, or lead plumbing.
Tier 3 Sites	6	Single family residence with lead solder copper piping constructed before 1983.
Other		If no Tier 1, 2, or 3 sites available, sample sites that use plumbing materials commonly found at other locations in the water supply.

Additionally, if lead service lines are present, tap samples must be taken from the following:

50 percent from ...	<b>AND</b> 50 percent from ...
single family residences with lead service lines	single family residences with lead solder copper piping constructed after 1982 <b>OR</b> single family residences with lead plumbing.
Tier 1 sites should be selected for sampling over Tier 2 or 3 sites even if all samples are from lead service lines or from residences with lead solder copper piping constructed after 1982.	

Piping Materials: Designate the type of service line and building plumbing piping materials used at the location where the tap lead/copper sample was taken.

- C Copper
- G Galvanized
- L Lead
- P Plastic

Lead: Enter the concentration of lead in ppb (parts per billion) or µg/l (micrograms per liter) as reported by the certified lab.

Copper: Enter the concentration of copper in ppb or µg/l as reported by the certified lab.

Lab #: For lab purposes only, indicate a laboratory identification number or sample number.

12. CONSUMER NOTICE OF LEAD RESULT CERTIFICATION: Water supplies have until 3 months after the end of the monitoring period to submit the certification along with a sample copy of a notice sent to consumers to the appropriate DEQ district office. For district office addresses, visit [www.michigan.gov/deq](http://www.michigan.gov/deq) and click on Contacts. However, the DEQ encourages water supplies to send the sample notice and its certification (template available on page 4) along with the Lead and Copper Report (pages 1 and 2 of this form), which is due within 10 days after the end of the monitoring period.