



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 B – Supplies WITHOUT 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 days after the end of the monitoring period. This form may be used to meet this requirement. Form Instructions are available on pages 5 – 8. Submit the information to the appropriate Michigan Department of Environment, Great Lakes, and Energy (EGLE) district office.

1. Supply Name: City of Big Rapids  
 2. County: Mecosta 3. WSSN: 0710  
 4. Population: 10,800 5. Monitoring Period: From: 06/01/2019 To: 09/30/2019  
 6. Minimum # of Samples Required: 30 7. # of Samples Taken: 31  
 8. Name of Certified Laboratory: EGLE Drinking Water Laboratory

9. SAMPLE CRITERIA:

This form is for water supplies collecting ALL lead and copper samples from sites WITHOUT lead service lines. If samples are collected at sites with lead service lines, use Form A.		
Yes	No	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Are ALL samples from sites WITHOUT lead service lines? If no, STOP and use Form A to allow for reporting of 1 <sup>st</sup> and 5 <sup>th</sup> liter results.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Did you prioritize sample collection according to the following: <ul style="list-style-type: none"> <li>• Tier 1 sites must be used unless insufficient Tier 1 sites available.</li> <li>• If insufficient Tier 1 sites available, then Tier 2 sites must be used.</li> <li>• If insufficient Tier 2 sites, then Tier 3 sites must be used.</li> <li>• If no Tier 1, 2, or 3 sites are available, sites must be representative of plumbing materials typically found throughout the water system.</li> </ul>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Were the same sampling sites used as in the previous monitoring period? If no, explain (attach additional pages if needed):
Comments:		

For more information see *Instructions* item 11 "Tier and Sample Category" at the end of the document.

10. SIGNATURE:

Name: Steve Cook Signature: 

Title: Superintendent WTP Phone: (231) 796-6231 Date: 7/8/2019

11. TAP SAMPLING DATA

Use additional sheets as needed. Sheet 1 of 2

Water Supply Name: City of Big Rapids

WSSN: 0710

Sample Location	Sample Date	Tier (1,2,3,OT) <sup>1</sup>	Category (see below) <sup>2</sup>	Service Line (C,G,P) <sup>3</sup>	Building Plumbing (L,C,G,P) <sup>3</sup>	Tap Type (K,B) <sup>4</sup>	Lead mg/L <input checked="" type="checkbox"/> mg/L <input type="checkbox"/> ug/L	Copper mg/L <input checked="" type="checkbox"/> mg/L <input type="checkbox"/> ug/L	Lab Sample Number
900 Watertower	6/25/2019	OT	OT	G	C	K	0.001	0.07	LI47657
701 Novak	6/26/2019	3	F	C	C	K	0.002	0.37	LI47658
709 Novak	6/29/2019	OT	OT	G	C	B	N/D	0.32	LI47659
805 W. Avenue	6/26/2019	OT	OT	C	C	K	N/D	N/D	LI47660
718 Willow	6/25/2019	3	F	C	C	B	0.011	0.14	LI47661
111 S. Stewart	6/26/2019	OT	OT	G	G	B	0.002	0.11	LI47662
125 Pemberton	6/28/2019	3	F	C	C	K	0.002	0.21	LI47663
330 S Third	6/27/2019	3	F	C	C	K	N/D	0.42	LI47664
210 Escott	6/27/2019	OT	OT	C	C	K	N/D	0.31	LI47656
725 Fuller	7/1/2019	OT	OT	C	C	K	N/D	N/D	LI49243
226 N Michigan	7/2/2019	OT	OT	C	C	K	N/D	0.62	LI49244
325 N Dekraft	7/2/2019	OT	OT	C	C	K	0.002	0.14	LI49245
810 Bjornson	7/3/2019	3	F	C	C	K	N/D	N/D	LI49246
511 Spring	7/9/2019	3	F	C	C	K	N/D	0.10	LI49247
FSU PLS	7/10/2019	OT	OT	C	C	B	0.001	0.45	LI49248
FSU CPD	7/10/2019	OT	OT	C	C	K	0.001	0.28	LI49249
903 Bjornson	7/10/2019	OT	OT	G	G	K	N/D	0.18	LI49250
417 N Third	7/10/2019	3	F	C	C	B	0.002	0.17	LI49794
1007 Louden	7/10/2019	3	F	C	C	K	N/D	0.06	LI49795

Tier	Category	Description	Tier	Category	Description	Material	Tap Type
Tier 1	A*	Single Family w/ lead service line	Tier 2	D*	Multi Family or building w/ lead service line	L* = Lead	K = Kitchen Sink
	B	Single Family w/ interior lead plumbing		E	Multi Family or building w/ interior lead plumbing	C = Copper	B = Bathroom Sink
	C	Multi Family Residence (MFR) w/ a lead service line*, or lead interior plumbing, if MFRs comprise at least 20% of total service connections.	Tier 3	F	Single Family w/ copper plumbing with lead solder installed before July 1988	G = Galvanized	O = Other (not an option for residential sites)
			Other	OT	If no Tier 1, 2, 3 sites, use sites representative of plumbing commonly found throughout the supply.		* Use Form A if any samples collected from sites with lead service lines to allow reporting of 1 <sup>st</sup> and 5 <sup>th</sup> liter results.

11. TAP SAMPLING DATA

Use additional sheets as needed. Sheet 2 of 2

Water Supply Name:

WSSN: 0710

Sample Location	Sample Date	Tier (1,2,3,OT) <sup>1</sup>	Category (see below) <sup>2</sup>	Service Line (C,G,P) <sup>3</sup>	Building Plumbing (L,C,G,P) <sup>3</sup>	Tap Type (K,B) <sup>4</sup>	Lead mg/L <input checked="" type="checkbox"/> mg/L <input type="checkbox"/> ug/L	Copper mg/L <input checked="" type="checkbox"/> mg/L <input type="checkbox"/> ug/L	Lab Sample Number
318 N Warren	7/10/2019	O	OT	G	G	K	0.002	0.23	LI49796
312 Second	7/10/2019	O	OT	G	G	K	N/D	0.35	LI49797
FSU GEN	7/11/2019	O	OT	C	C	K	0.001	0.39	LI49798
FSU HEQ	7/10/2019	O	OT	C	C	K	0.004	0.24	LI49799
426 Green	7/11/2019	O	OT	G	G	bypass	0.003	0.12	LI49800
327 Spruce	7/12/2019	O	OT	G	G	K	0.001	N/D	LI49801
703 Lilac	7/12/2019	3	F	C	C	K	0.001	0.11	LI49802
117 S. Stewart	7/15/2019	O	OT	G	C	K	N/D	0.14	LI51227
730 Osceola	7/16/2019	O	OT	C	C	K	0.002	0.19	LI51228
405 Finley	7/16/2019	3	F	C	C	K	0.001	0.15	LI51229
503 Hutchinson	7/16/2019	O	OT	G	C	K	N/D	0.16	LI51230
310 Fuller	7/18/2019	3	F	C	C	B	0.001	0.22	LI51231
915 Loudon	8/15/2019	3	F	C	C	K	N/D	0.11	LI58484
1017 Loudon	5/16/2019	3	F	C	C	K	N/D	0.08	LI58485

Tier	Category	Description	Tier	Category	Description	Material	Tap Type
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	B	Single Family w/ interior lead plumbing		E	Multi Family or building w/ interior lead plumbing	C = Copper	B = Bathroom Sink
	C	Multi Family Residence (MFR) w/ a lead service line*, or lead interior plumbing, if MFRs comprise at least 20% of total service connections.		F	Single Family w/ copper plumbing with lead solder installed before July 1988	G = Galvanized	O = Other (not an option for residential sites)
			Other	OT	if no Tier 1, 2, 3 sites, use sites representative of plumbing commonly found throughout the supply.		* Use Form A if any samples collected from sites with lead service lines to allow reporting of 1 <sup>st</sup> and 5 <sup>th</sup> filter results.



GRETCHEN WHITMER  
GOVERNOR

STATE OF MICHIGAN  
DEPARTMENT OF  
ENVIRONMENT, GREAT LAKES, AND ENERGY  
LANSING



LIESL EICHLER CLARK  
DIRECTOR

January 24, 2020

Ms. Heather Bowman  
City of Big Rapids  
226 North Michigan Avenue  
Big Rapids, Michigan 49307

WSSN: 00710  
County: Mecosta  
Supply: Big Rapids

Dear Ms. Bowman:

**SUBJECT:** Lead and Copper Monitoring of Drinking Water Taps

The Michigan Department of Environment, Great Lakes, and Energy (EGLE) received your results of lead and copper tap monitoring conducted between **June 1 and September 30, 2019**. Upon a file review we realized you never received a letter containing your 90<sup>th</sup> percentile values. The calculated 90<sup>th</sup> percentile values are listed below. Please retain this information for your records.

Action Levels	90 <sup>th</sup> Percentile Value	# of Sites Above Action Level	Range of Individual Results
Lead 15 parts per billion (ppb)	2 ppb	0	0 ppb-11 ppb
Copper 1.3 parts per million (ppm)	0.4 ppm	0	0.0 ppm-0.6 ppm

If the 90<sup>th</sup> percentile value for either lead or copper is greater than 0, it must be reported on your 2019 Consumer Confidence Report (CCR), due to our office, your customers, and the local health department by **July 1, 2020**. The following statement must also be included in the CCR, regardless of the lead and copper levels:

*If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. [NAME OF UTILITY] is responsible for providing high quality drinking water but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you have a lead service line it is recommended that you run your water for at least 5 minutes to flush water from both your home plumbing and the lead service line. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline at 1-800-426-4791 or at <http://water.epa.gov/drink/info/lead>.*