



**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 days after the end of the monitoring period. This form may be used to meet this requirement. Form instructions are available on pages 8 - 10. Submit the information to the appropriate Michigan Department of Environment, Great Lakes, and Energy (EGLE) district office.

1. Supply Name: City of Royal Oak  
 2. County: Oakland 3. WSSN: 05830  
 4. Population: 57236 5. Monitoring Period: From: 06/01/19 To: 09/30/19  
 6. Minimum # of Samples Required: 30 7. # of Samples Taken: 30  
 8. Name of Certified Laboratory: Paragon Laboratories

9. SAMPLE CRITERIA:

<b>This form is for water supplies collecting <u>some</u> or <u>all</u> lead and copper samples from sites WITH LEAD SERVICE LINES. All other supplies should use Form B.</b>		
Yes	No	
x		Are some or all samples from sites WITH lead service lines? If no sites served by a lead service line, STOP and use Form B.
x	<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 type="checkbox"/>	x	Were the same sampling sites used as in the previous monitoring period? <b>If no, explain</b> (attach additional pages if needed): New sites were chosen on the bases of Tier 1 priority and/or homeowners' willingness to participate.
Comments: Building plumbing was not identified by the homeowner or city representative.		

10. SIGNATURE:

Name: Jeff Pierce Signature: \_\_\_\_\_

Title: Water Supervisor Phone: 248-246-3300 Date: \_\_\_\_\_



11. TAP SAMPLING DATA

Use additional sheets as needed. Sheet  1  of  2 .

Water Supply Name: Royal Oak

WSSN: 05830

Sample Location	Sample Date	Tier (1,2,3,OT) <sup>1</sup>	Category (see below) <sup>2</sup>	Building Plumbing (L,C,G,P) <sup>3</sup>	Service Line (L*,C,G,P) <sup>3</sup>	Tap Type (K,B) <sup>4</sup>	1 <sup>st</sup> Liter Sample			5 <sup>th</sup> Liter Sample		
							Lead <input type="checkbox"/> mg/L x ug/L	Copper <input type="checkbox"/> mg/L x ug/L	Lab Sample Number	Lead <input type="checkbox"/> mg/L x ug/L	Copper <input type="checkbox"/> mg/L x ug/L	Lab Sample Number
116 Helene Ave	9/5/19	1	A		L	K	8.9	70	3567910001	25	13	3567910002
1700 N Blair Ave	9/5/19	1	A		L	K	ND	8.8	3567910003	ND	25	3567910004
1203 N Blair Ave	9/4/19	1	A		L	K	5.6	91	3657910005	22	15	3567910006
921 N Alexander Ave	9/5/19	1	A		L	K	3.7	46	3567910007	10	7.7	3567910008
1020 N Wilson Ave	9/5/19	1	A		L	K	1.7	59	3567910009	7.8	5	3567910010
1220 N Wilson Ave	9/5/19	1	A		L	K	6.9	4.4	3567910011	23	2	3567910012
815 E 3 <sup>rd</sup> St	9/5/19	1	A		L	B	3	5.6	3567910013	17	3.8	3567910014
1015 Longfellow Ave	9/5/19	1	A		L	K	2.4	57	3567910015	3.8	36	3567910016
1930 N Connecticut Ave	9/5/19	1	A		L	K	7	220	3567910017	33	20	3567910018
1226 E 5 <sup>th</sup> St	9/5/19	1	A		L	K	1.5	37	3567910019	1.2	3.5	3567910020
1313 N Blair Ave	9/5/19	1	A		L	K	2.2	70	3567910021	14	38	3567910022
1407 N Blair Ave	9/4/19	1	A		L	K	ND	76	3567910023	ND	35	3567910024
1617 N Blair Ave	9/5/19	1	A		L	K	ND	90	3567910025	ND	11	3567910026
1006 Woodsboro Dr	9/5/19	1	A		L	K	2.4	42	3567910027	7.6	9.7	3567910028
812 Cherry Ave	9/5/19	1	A		L	K	2.9	24	3567910029	17	5.9	3567910030

1 Tier	2 Category	Description	1 Tier	2 Category	Description	3 Material	4 Tap Type
Tier 1	A*	Single Family w/ lead service line	Tier 2	D*	Multi Family or building w/ lead service line	L* = Lead C = Copper G = Galvanized P = Plastic  * Use Form A if any samples collected from sites with lead service lines to report 1 <sup>st</sup> and 5 <sup>th</sup> liter results.	K = Kitchen Sink B = Bathroom Sink O = Other (not an option for residential sites)
	B	Single Family w/ interior lead plumbing		E	Multi Family or building w/ interior lead plumbing		
	C	Multi Family Residence (MFR) w/ a LSL*, 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 1988		
	* Use Form A if any samples collected from sites with LSLs to allow reporting of 1 <sup>st</sup> and 5 <sup>th</sup> liter results.		Other	OT	If no Tier 1, 2, 3 sites, use sites representative of plumbing commonly found throughout the supply.		

**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 the Michigan Safe Drinking Water Act, 1976 PA 399, as amended. 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 10 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 (page 4 of this document) along with the Lead and Copper Report (pages 1 and 2 of this document), which is due within ten days after the end of the monitoring period. Please **COMPLETE** all forms accurately to avoid resubmittal.

**Certification:**

I hereby certify that the Consumer Notice of Lead and Copper Results (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.
  - 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.

_____ Signature	_____ Water Supervisor Title	_____ Date
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## CONSUMER NOTICE OF LEAD AND COPPER RESULTS IN DRINKING WATER SITE WITH A LEAD SERVICE LINE

Water Supply Name:	City of Royal Oak		
County:	Oakland	WSSN:	<b>05830</b>
Sample Location:	811 E Second St	Date Sampled:	<b>9/6/19</b>

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.

Contaminant	Action Level	Maximum Contaminant Level Goal	1 <sup>st</sup> Liter Result	5 <sup>th</sup> Liter Result
Lead (ppb)	15	0	5.6	16
Copper (ppb)	1300	1300	15	6.7

**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 dissolves more easily in hot water.
- **Do not boil water to remove lead and copper.** Boiling water will not reduce lead and copper levels.
- **Consider using a filter to reduce lead in drinking water.** Read the package to be sure the filter is NSF 53 certified to reduce lead or contact NSF International at 800-NSF-8010, or [www.nsf.org](http://www.nsf.org) for more information.
- **Consider purchasing 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.
- **Clean your aerator.** 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.



11. TAP SAMPLING DATA

Use additional sheets as needed. Sheet   2   of   2  .

Water Supply Name: Royal Oak

WSSN: 05830

Sample Location	Sample Date	Tier (1,2,3,OT) <sup>1</sup>	Category (see below) <sup>2</sup>	Building Plumbing (L,C,G,P) <sup>3</sup>	Service Line (L*,C,G,P) <sup>3</sup>	Tap Type (K,B) <sup>4</sup>	1 <sup>st</sup> Liter Sample			5 <sup>th</sup> Liter Sample		
							Lead <input type="checkbox"/> mg/L x ug/L	Copper <input type="checkbox"/> mg/L x ug/L	Lab Sample Number	Lead <input type="checkbox"/> mg/L x ug/L	Copper <input type="checkbox"/> mg/L x ug/L	Lab Sample Number
1022 Woodsboro	9/5/19	1	A		L	B	2.3	120	3567910031	5.3	29	3567910032
1017 Grove Ave	9/5/19	1	A		L	K	3.1	74	3567910033	10	20	3567910034
1041 Grove Ave	9/5/19	1	A		L	K	1.9	67	3567910035	6.8	15	3567910036
2119 N Washington	9/5/19	1	A		L	K	ND	8.2	3567910037	ND	3.2	3567910038
121 S Maple Ave	9/5/19	1	A		L	K	2.6	12	3567910039	7.7	58	3567910040
488 Cambridge	9/5/19	1	A		L	K	2.6	28	3567910041	7.6	3.4	3567910042
523 Walnut	9/5/19	1	A		L	K	1.5	24	3567910043	7.3	3.9	3567910044
419 Park	9/5/19	1	A		L	K	3.2	9.4	3567910045	6.1	4.2	3567910046
535 Windemere	9/5/19	1	A		L	K	1.3	21	3568530001	8.9	4	3568530002
464 Cambridge	9/6/19	1	A		L	K	ND	21	3568530003	ND	5.8	3568530004
627 S Blair Ave	9/6/19	1	A		L	K	2.7	19	3568530005	2.5	18	3568530006
1513 Gardenia Ave	9/5/19	1	A		L	K	2.7	250	3568530007	25	15	3568530008
1106 Grove Ave	9/6/19	1	A		L	K	ND	12	3568530009	ND	6	3568530010
4167 Arlington	9/6/19	1	A		L	K	2.3	15	3568530011	5.4	3.2	3568530012
811 E Second St	9/6/19	1	A		L	K	5.6	15	3568530013	16	6.7	3568530014

1 Tier	2 Category	Description	1 Tier	2 Category	Description	3 Material	4 Tap Type
Tier 1	A*	Single Family w/ lead service line	Tier 2	D*	Multi Family or building w/ lead service line	L* = Lead C = Copper G = Galvanized P = Plastic  * Use Form A if any samples collected from sites with lead service lines to report 1 <sup>st</sup> and 5 <sup>th</sup> liter results.	K = Kitchen Sink B = Bathroom Sink O = Other (not an option for residential sites)
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	C	Multi Family Residence (MFR) w/ a LSL*, 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 1988		
	* Use Form A if any samples collected from sites with LSLs to allow reporting of 1 <sup>st</sup> and 5 <sup>th</sup> liter results.		Other	OT	If no Tier 1, 2, 3 sites, use sites representative of plumbing commonly found throughout the supply.		