



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



GRETCHEN WHITMER
GOVERNOR

DANIEL EICHINGER
ACTING DIRECTOR

February 10, 2023

VIA EMAIL AND U.S. MAIL

Ellis Mitchell, City Manager
City of Benton Harbor
200 Wall Street
Benton Harbor, Michigan 49022

WSSN: 00600
County: Berrien
Supply: Benton Harbor

Dear Ellis Mitchell:

SUBJECT: Lead and Copper Monitoring of Drinking Water Taps - REVISED

The Michigan Department of Environment, Great Lakes, and Energy (EGLE) received your results of lead and copper tap monitoring conducted between **July 1 and December 31, 2022**. The calculated 90th percentile values are listed below. Please retain this information for your records. **This is a revised communication correcting the number of unique sites sampled and updating corresponding compliance calculations.**

Action Levels	90 th Percentile Value	# of Sites Above Action Level	Range of Individual Results
Lead 15 parts per billion (ppb)	9 ppb	2	0 ppb - 110 ppb
Copper 1.3 parts per million (ppm)	0.0 ppm	0	0.0 ppm - 0.2 ppm

If the 90th percentile value for either lead or copper is greater than 0, it must be reported on your 2022 Consumer Confidence Report (CCR), due to our office, your customers, and the local health department by **July 1, 2023**. If you are a water supply who samples two six-month rounds during one calendar year, you must report both 90th percentile values on your CCR. 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://www.epa.gov/safewater/lead>.

Even though your lead 90th percentile value was not an action level exceedance, you did have one or more individual samples above the lead action level. Therefore, you must also include this statement in your CCR:

Infants and children who drink water containing lead could experience delays in their physical or mental development. Children could show slight deficits in attention span and learning abilities. Adults who drink this water over many years could develop kidney problems or high blood pressure.

Benton Harbor collected 85 sets of first- and fifth-liter samples from 82 unique sampling locations: 39 Tier 1 sites, 26 Tier 3 sites, and 17 Tier Other sites. The 65 sets of results collected from Tier 1 and Tier 3 sites were used to calculate the 90th percentile values. The following 17 sets of samples collected from Tier Other sites were excluded from the 90th percentile calculations because sufficient higher tier sites were available:

Site Address	Collection Date	Sample Numbers	Lead (ppb)	Copper (ppm)	Exclusion Reason
555 Green Ave (1 st liter)	12/21/2022	22L0927-13	0	0.025	Sufficient Tier 1 & Tier 3 sites sampled
555 Green Ave (5 th liter)	12/21/2022	22L0927-14	0	0	Sufficient Tier 1 & Tier 3 sites sampled
800 Warwick Ter (1 st liter)	12/20/2022	22L0927-01	0	0.032	Sufficient Tier 1 & Tier 3 sites sampled
800 Warwick Ter (5 th liter)	12/20/2022	22L0927-02	0	0	Sufficient Tier 1 & Tier 3 sites sampled
117 S Hull (1 st liter)	10/09/2022	22J0803-19	1	0	Sufficient Tier 1 & Tier 3 sites sampled
117 S Hull (5 th liter)	10/09/2022	22J0803-20	0	0.1	Sufficient Tier 1 & Tier 3 sites sampled
567 E Britain (1 st liter)	8/9/2022	22H0766-01	0	0	Sufficient Tier 1 & Tier 3 sites sampled
567 E Britain (5 th liter)	8/9/2022	22H0766-02	0	0	Sufficient Tier 1 & Tier 3 sites sampled
575 E Britain (1 st liter)	8/15/2022	22H0765-01	1.1	0	Sufficient Tier 1 & Tier 3 sites sampled
575 E Britain (5 th liter)	8/15/2022	22H0765-02	0	0	Sufficient Tier 1 & Tier 3 sites sampled
170 Hastings (1 st liter)	8/24/2022	22H1417-03	0	0	Sufficient Tier 1 & Tier 3 sites sampled
170 Hastings (5 th liter)	8/24/2022	22H1417-04	0	0	Sufficient Tier 1 & Tier 3 sites sampled

1256 Milton (1 st liter)	8/24/2022	22H1417-05	6.3	0.025	Sufficient Tier 1 & Tier 3 sites sampled
1256 Milton (5 th liter)	8/24/2022	22H1417-06	0	0	Sufficient Tier 1 & Tier 3 sites sampled
145 W May (1 st liter)	8/4/2022	22H0458-09	0	0	Sufficient Tier 1 & Tier 3 sites sampled
145 W May (5 th liter)	8/4/2022	22H0458-10	0	0	Sufficient Tier 1 & Tier 3 sites sampled
168 McCord (1 st liter)	9/21/2022	22I1177-07	0	0	Sufficient Tier 1 & Tier 3 sites sampled
168 McCord (5 th liter)	9/21/2022	22I1177-08	0	0	Sufficient Tier 1 & Tier 3 sites sampled
150 Cross (1 st liter)	8/3/2022	22H0458-17	1.9	0	Sufficient Tier 1 & Tier 3 sites sampled
150 Cross (5 th liter)	8/3/2022	22H0458-18	1.7	0	Sufficient Tier 1 & Tier 3 sites sampled
159 Cross (1 st liter)	8/3/2022	22H0458-21	0	0	Sufficient Tier 1 & Tier 3 sites sampled
159 Cross (5 th liter)	8/3/2022	22H0458-22	0	0	Sufficient Tier 1 & Tier 3 sites sampled
939 Monroe (1 st liter)	8/1/2022	22H0458-29	3.2	0	Sufficient Tier 1 & Tier 3 sites sampled
939 Monroe (5 th liter)	8/1/2022	22H0458-30	0	0.11	Sufficient Tier 1 & Tier 3 sites sampled
708 E High (1 st liter)	9/22/2022	22I1177-17	0	0	Sufficient Tier 1 & Tier 3 sites sampled
708 E High (5 th liter)	9/22/2022	22I1177-18	0	0	Sufficient Tier 1 & Tier 3 sites sampled
531 Columbus (1 st liter)	10/13/2022	22J0803-07	1.3	0	Sufficient Tier 1 & Tier 3 sites sampled
531 Columbus (5 th liter)	10/13/2022	22J0803-08	0	0.031	Sufficient Tier 1 & Tier 3 sites sampled
795 E Vineyard (1 st liter)	10/14/2022	22J0803-03	3.6	0	Sufficient Tier 1 & Tier 3 sites sampled
795 E Vineyard (5 th liter)	10/14/2022	22J0803-04	0	0.031	Sufficient Tier 1 & Tier 3 sites sampled
310 Colby (1 st liter)	10/21/2022	22J1083-03	0	0	Sufficient Tier 1 & Tier 3 sites sampled

310 Colby (5th liter)	10/21/2022	22J1083-04	0	0	Sufficient Tier 1 & Tier 3 sites sampled
120 Cross (1st liter)	8/3/2022	22H0458-07	0	0	Sufficient Tier 1 & Tier 3 sites sampled
120 Cross (5th liter)	8/3/2022	22H0458-08	4	0	Sufficient Tier 1 & Tier 3 sites sampled

If you have questions, please contact Jeni Bolt, Lead and Copper Rule Specialist, at BoltJ@Michigan.gov or 517-331-5161; Lead and Copper Unit, Community Water Supply Section, Drinking Water and Environmental Health Division, EGLE, P.O. Box 30817, Lansing, Michigan 48909-8311.

Sincerely,



Kristen Philip
Community Water Supply Section
Drinking Water and Environmental Health Division

cc: Marcus Muhammad, Mayor, City of Benton Harbor
Abul Ahmed, F&V Operations
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