



November 29, 2022

Mr. Bernie Bowers
Operations Supervisor
Wyandotte Public Schools
639 Oak Street
Wyandotte, Michigan 48192
Bowersb@wy.k12.mi.us

RE: **AEG Project # AE220046**
Corrective Actions – Lead in Drinking Water
Taft Elementary School

Dear Mr. Bowers:

Pursuant to the request of Wyandotte Public Schools, Arch Environmental Group, Inc. (AEG) conducted a follow-up lead drinking water investigation at Taft Elementary School following correction activities at locations previously identified with lead above the districts Action Level of 12 ug/L (12 ppb). The investigation was conducted to ensure that the corrective actions conducted were effective in reducing or eliminating the lead contaminant.

Action Levels

The Lead and Copper Rule (LCR) is a treatment technique rule. Instead of setting a maximum contaminant level (MCL) for lead or copper, the rule requires public water systems to take certain actions to minimize lead and copper in drinking water. The Action Level for lead is 15 ug/L (15 ppb). Beginning January 1, 2025, the action level for lead in the State of Michigan will be lowered to 12 ug/L (12 ppb). In August 2016, the Department of Environment, Great Lakes, and Energy (EGLE), recommended school districts use the contaminate level goal of 5 ug/L (5 ppb). Finally, in May of 2019, The American Academy of Pediatrics called for new federal standards to ensure water lead concentrations do not exceed 1 ug/L (1 ppb). For this sampling event, the district shall utilize 12 ug/L (ppb) as the Action Level.

Collection Procedures

All water samples were collected utilizing 250 milliliters (mL) sample bottles as recommended in the August 1, 2016, Version 3.0 "MDEQ Guidance on Drinking Water Sampling for Lead and Copper at Schools and Daycares on Community Water Supplies". Sample results are representative of the specific fixture sampled and do not represent the distribution system or other fixtures.

First Draw Sampling:

AEG collected first draw samples. A first draw is the water that is the first to come out of the tap after the period of 8-24 hours of inactivity.

The following corrective actions were conducted:

Hallway Across from Room 108, Hydration Station, Bottle Fill:

Wyandotte Public Schools conducted the following activities to reduce lead exposure at this location:

1. Removed the fixture from service.


The most recent investigation conducted on November 29, 2022, confirmed the completion of the corrective actions. No further action is recommended at this time for this location.

The location previously identified above the districts Action Level of **12 ug/L (12 ppb)** at Taft Elementary School has undergone corrective actions to confirm the elimination of lead. No further activities are recommended for this round of sampling.

If you have any questions regarding the report, please feel free to contact the cleanWATER team at (248) 426-0165 [office].

Sincerely,

Arch Environmental Group, Inc.
Environmental Services



Sabrina Fouche
Consultant, D-5 Waterworks Operator

Attachments: Outlet Pictures
 Results Table



Taft-03: Hallway Across from Room 108, Water Cooler
Fixture Removed from Service



Wyandotte Public Schools
 Drinking Water Analysis
 Project Number: AE220046

Taft Elementary School									
Date of Sampling: N/A									
Sampler: N/A									
Sample #	Location	Type ¹	Time Collected	District Lead Action Level (ug/L) ²	Lead Results (ug/L)	Aerator Present Y/N	POU Filter Present Y/N	Filter Date/Color	Notes
Taft-03	Hallway Across from Room 108, Water Cooler	WC	N/A	12	N/A	N	N	N/A	Corrective Actions Confirmation #1 Following Fixture Removal

- 1) Type: B = Bubblers, HS = Hydration Station, BT = Single Bottle Fill, WC = Single Water Cooler, C = Combination Sink, F = Faucet, KF = Kitchen Faucet, I = Ice Machine, KK = Kitchen Kettle, PC = Plumed Coffee Machine, G = Glass Filler
- 2) https://www.epa.gov/sites/default/files/2016-06/documents/npwdr_complete_table.pdf
- 3) ND = Non-Detected at Reported Detection Limit of 1 ug/L