

2018-19 AAPS Testing for Lead in Drinking Water Program Annual Report

Presented to the Board of Education - May 8, 2019

AAPS Drinking Water Testing Program



1 EDUCATE CHILDREN & STAFF TO USE TRUSTED WATER SOURCES



2 ANNUAL WATER TESTING & REPORTING TO THE COMMUNITY

3 MITIGATION & REPAIR OF IDENTIFIED WATER FIXTURES



4 REPLACE/INSTALL WATER BOTTLE FILLING STATIONS WITH CERTIFIED LEAD FILTERS IN EVERY SCHOOL



AAPS Testing for Lead in Drinking Water Program - History

- **2016-17**
 - Initial, random testing and mitigation across the district
 - Action Level >15ppb (parts per billion)
 - **73 Samples**
- **2017-18**
 - 12 locations at each school sampled
 - Action Level of >15ppb
 - **384 Samples**
- **2018-19**
 - All drinking water sources tested
 - Action Level lowered to >5ppb
 - **1,426 Samples**



2018-19 Testing for Lead in Drinking Water - Phase I



Completed, November 2018

- Westerman Preschool
- Abbot Elementary
- Bach Elementary
- Dicken Elementary
- Eberwhite Elementary
- Haisley Elementary
- Lakewood Elementary
- Lawton Elementary
- Pattengill Elementary
- Pathways to Success

2018-19 Testing for Lead in Drinking Water - Phase II

Completed, December 2018 - January 2019

- Allen Elementary
- Angell Elementary
- Ann Arbor Open K-8
- Ann Arbor STEAM K-8
- Bryant Elementary
- Burns Park Elementary
- Carpenter Elementary
- King Elementary
- Logan Elementary
- Mitchell Elementary
- Pittsfield Elementary
- Thurston Elementary
- Wines Elementary



2018-19 Testing for Lead in Drinking Water - Phase III

Completed, February - April 2019

- Clague Middle
- Forsythe Middle
- Scarlett Middle
- Slauson Middle
- Tappan Middle
- Community High
- Huron High
- Pioneer High
- Skyline High



Tasks and Status



- ✓ Testing for lead levels of all 1,426 existing drinking water locations at AAPS schools
- ✓ Inventory of all water sources (drinking and non-drinking)
- Reduction of Action Level of all drinking locations to >5 ppb (Bottled Water Standard)
 - ✓ 106 fixtures remediated
 - 13 fixtures mitigation in process
- Hydration Station Installation Project
 - ✓ 175 installed
 - 45 to be installed Summer, 2019
- Signage at all faucets not suitable for drinking
 - Custodial closets, bathroom sinks, art room sinks, spigots, etc., to be completed Summer, 2019

Hydration Station Project Installation

AAPS committed to install filtered hydration stations at the rate of 1/100 building occupants

- **175 Filtered Hydration Stations**
 - Installed as of April 25, 2019
- **24 Schools** complete at 1 to 100 ration
 - All remaining schools have a minimum of 2 Hydration Stations
- **45 Additional Stations**
 - To be installed Summer, 2019



Testing Results

Parts Per Billion	Initial 2018-19 Testing Results		Current Testing Results*	
0-5	1,307	91.66%	1,413	99.09%
5-15	85	5.96%	7	0.49%
>15	34	2.38%	6	0.42%
TOTAL	1,426	100.00%	1,426	100.00%

*as of 4/25/2019

- TOTAL of 119 fixtures flagged for remediation
- 106 fixtures remediated, re-tested and returned to service
- 13 fixtures in remediation process and remain out of service

Project Costs



Vendor	Service/Equipment	Cost
Arch Environmental Group	Testing	\$143,000
Ferguson Enterprises	Plumbing Supplies & Stations	\$249,000
Goyette Mechanical	Plumbing Labor	\$440,000
Other Contractors	Misc. Trades	\$76,000
Phoenix Contracting	Project Management	\$45,000

TOTAL \$953,000*

*as of 4/25/2019

Next Steps

- **Filtered Hydration Station Installation Project**
 - Complete by start of school September 2019
- **Flushing of all Water Systems**
 - Continue flushing following school breaks; Summer, Winter, Spring, etc.
- **Do Not Drink Signage**
 - Installed at non-drinking locations (custodial closets, bathroom sinks, science and art room sinks, etc.) as a reminder that water in these locations is not for drinking
- **Future Testing for Lead in Drinking Water**
 - Will be communicated to all AAPS parents
 - Will be shared as an **Annual Report to the Board of Education**