



# Lead and copper water testing 2016/17

FEBRUARY 13, 2017

# Lead and copper standards

- ▶ Lead

- ▶ Michigan DEQ & U.S. EPA 15 ppb (0.015 mg/L)

- ▶ Copper

- ▶ Michigan DEQ & U.S. EPA 1,300 ppb (1.3 mg/L)

- ▶ 1 ppb = 0.001 mg/L

- ▶ All sampling and testing procedures were performed in accordance with the MDEQ Guidance on drinking water sampling for lead and copper at schools and daycares on community water supplies (ver. 3.0, August 1, 2016)

# Berkshire Middle School

- ▶ 153 water sources tested
- ▶ 18 positive test results
- ▶ 0 positive results in *drinking specific* fixtures
- ▶ 0 positive results in foodservice kitchen area
- ▶ 0 positive results in large volume samples

# Science Room / Lab Faucets

Science lab faucets are not required by the EPA rules or building codes to meet any lead free regulations.

Birmingham Public Schools has installed one very different looking faucet, that meets all lead free qualifications, in each science classroom in the district.

Students and staff have a clean, tested water source where they can freely and safely use the water for drinking in each of these areas.

All of the other sinks in these areas have been clearly labeled with a durable sign reading "Not Drinking Water".



# BK21-CF Room 120 south sink 3

Copper 1.6mg/L

Lead 0.015 mg/L



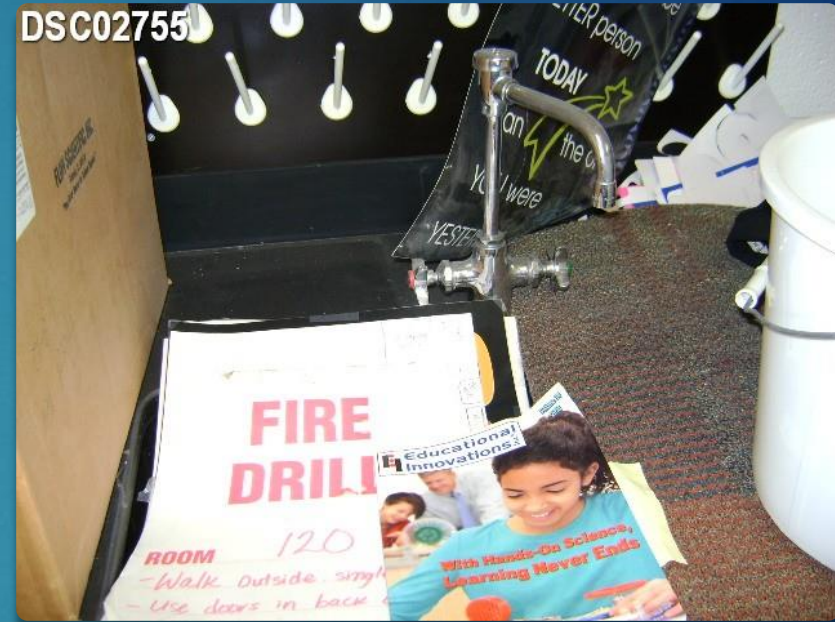
Permanently signed as "Not Drinking Water"

August 2017

# BK25-CF

## Room 119/120 prep

Copper N/A mg/L  
Lead 0.049 mg/L



Permanently signed as "Not Drinking Water"

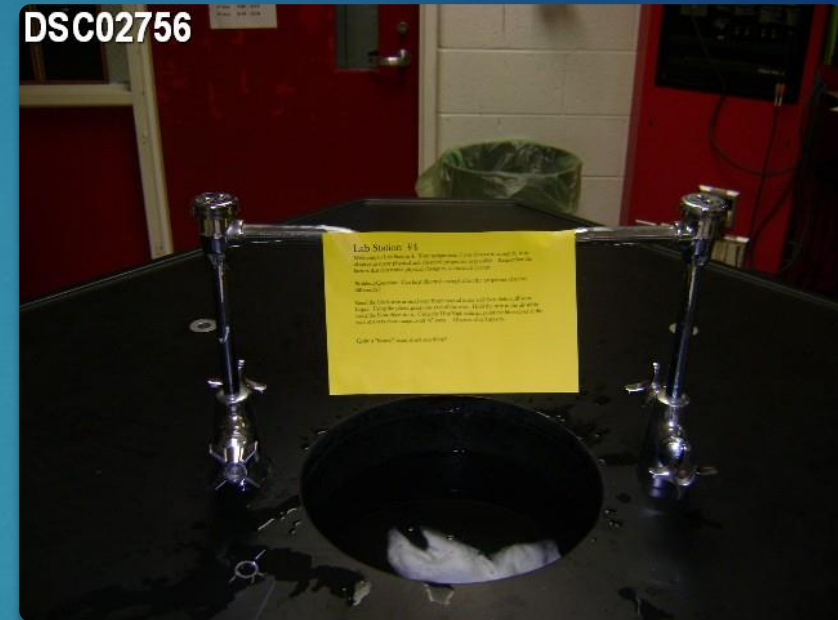
August 2017

# BK26-CF    BK27-CF Room 119 station 4

Copper    1) 1.6 mg/L    2) 1.6 mg/L  
Lead      1) 0.017mg/L    2) 0.016 mg/L

Permanently signed as “Not Drinking Water”

August 2017



# BK28-CF BK29-CF Room 119 station 5

Copper 1) 1.8 mg/L 2) 1.4 mg/L  
Lead 1) 0.052 mg/L 2) 0.022 mg/L

Permanently signed as "Not Drinking Water"



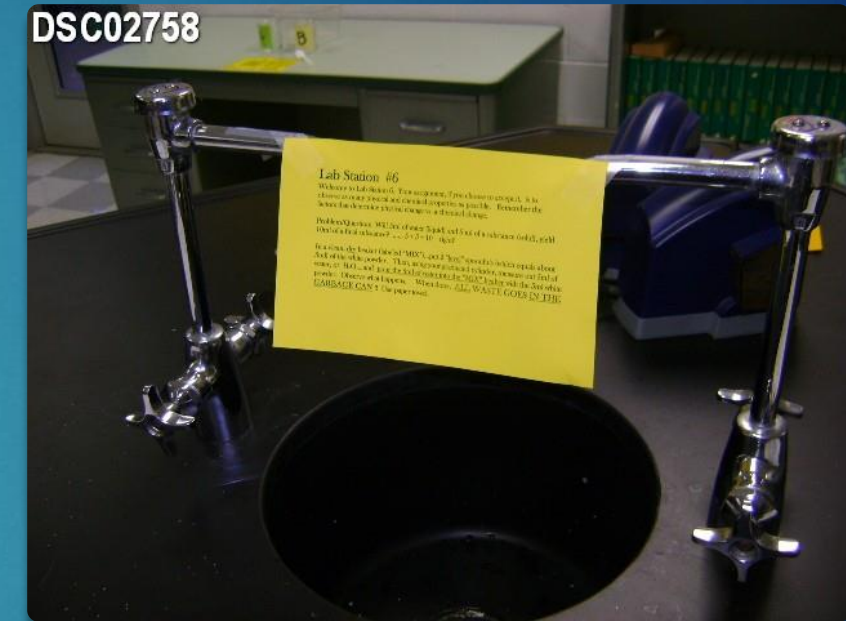
August 2017



# BK30-CF BK31-CF Room 119 station 6

Copper 1) 1.6 mg/L 2) 1.4 mg/L  
Lead 1) 0.025 mg/L 2) 0.016 mg/L

Permanently signed as "Not Drinking Water"



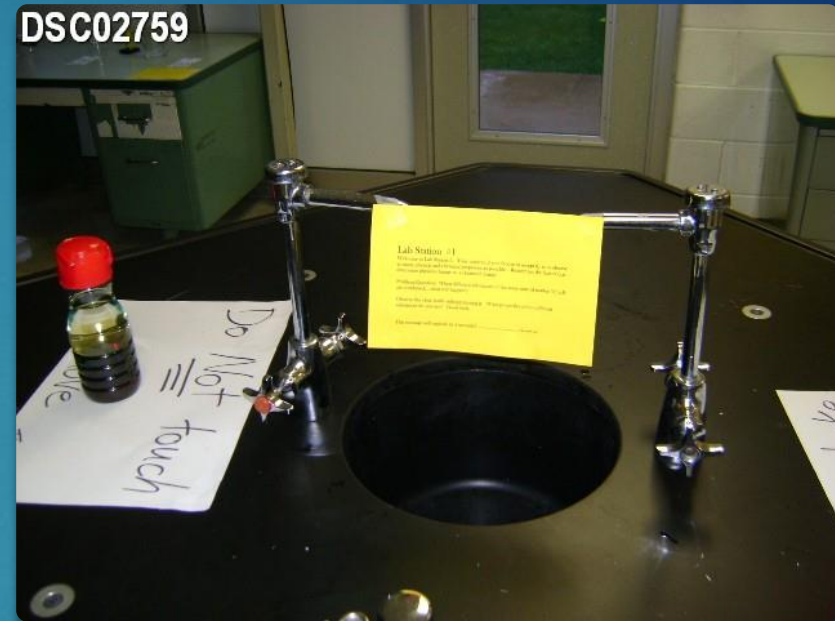
August 2017

# BK33-CF

## Room 119 station 1 #2

Copper 3.6 mg/L

Lead 0.018 mg/L



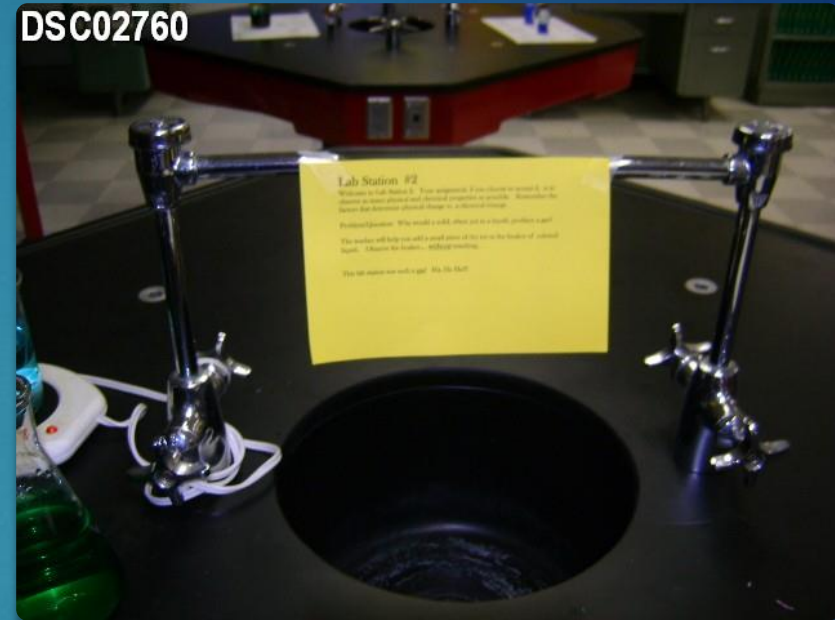
Permanently signed as "Not Drinking Water"

August 2017

# BK34-CF Room 119 station 2 #1

Copper 2.3 mg/L

Lead 0.018 mg/L



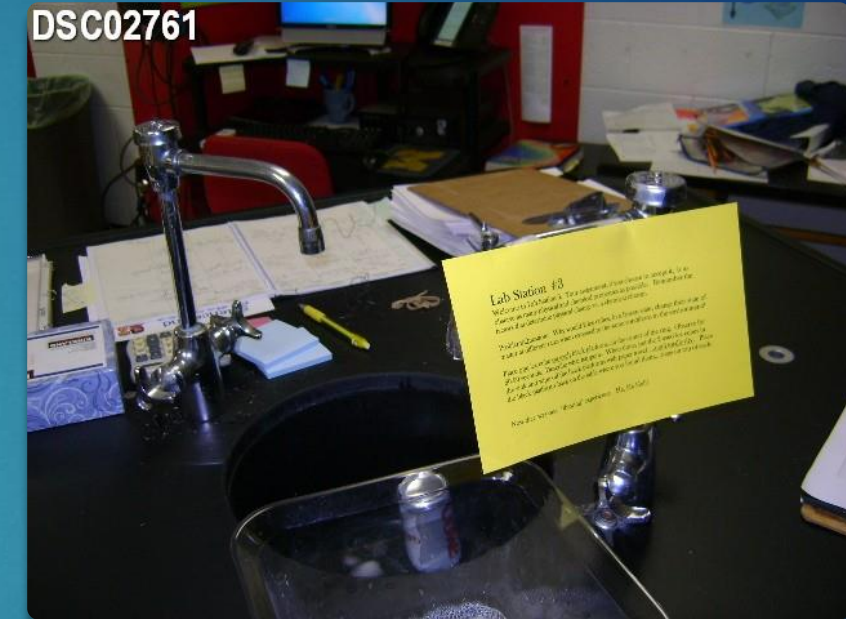
Permanently signed as "Not Drinking Water"

August 2017

# BK36-CF    BK37-CF Room 119 station 3

Copper    1) 3.7 mg/L    2) 1.7 mg/L  
Lead      1) 0.039 mg/L    2) 0.016 mg/L

Permanently signed as “Not Drinking Water”



August 2017

# BK51-CF

## Room 118 right wall, right

Copper 3.1 mg/L  
Lead 0.18 mg/L



Permanently signed as "Not Drinking Water"

August 2017

# BK53-CF

## Room 118 prep room

Copper N/A mg/L  
Lead 0.018 mg/L



Permanently signed as "Not Drinking Water"

August 2017

# BK62-CF

## Room 116 teacher sink

Copper 1.9 mg/L

Lead 0.060 mg/L



Faucet, supply lines, and valves replaced July 2017.

Fixture replaced with Lead-Free faucet, Valves, and supply lines July 2017.

Retested August 2017 - PASSED

# BK103-CF Room 101 front

Copper 1.3 mg/L

Lead N/A mg/L

Aerator changed

February 2017.

Re-test 2-25-17 passed





# BK107-CF

## Room 102 right wall, right

Copper 2.6 mg/L

Lead 0.031 mg/L

Aerator changed

February 2017.

Re-test 2-25-17 passed



BK111-CF  
Room 102 left wall, left

Copper 2.1 mg/L

Lead 0.023 mg/L

Aerator changed

February 2017.

Re-test 2-25-17 passed

