

# Lead in Drinking Water – Public and Nonpublic Schools

*Updated in response to legislation effective as of June 1, 2021*

## **IMPORTANT NOTICE: ELEVATED LEAD WATER SAMPLE RESULT(S)**

### **Mercy High School**

#### **ELEVATED LEAD WATER SAMPLE RESULT**

All Maryland public and nonpublic schools are required to sample all drinking water outlets for the presence of lead pursuant to the Code of Maryland Regulations. On 11/17/2021, twenty (20) lead water samples were collected from Mercy High School. Of these lead water samples, eighteen (18) had levels of lead exceeding the State's revised action level of 5 parts per billion (ppb) (*formerly 20 ppb; 5 ppb effective June 1, 2021*) for lead in drinking water in school buildings. The elevated lead results from the sample(s) collected at Mercy High School were as follows:

- 9.6 ppb – WEINBERG KITCHEN LARGE SINK LEFT TAP
- 9.7 ppb – WEINBERG KITCHEN LARGE SINK RIGHT TAP
- 5.6 ppb – WEINBERG KITCHEN HAND SINK
- 6.2 ppb – WEINBERG SECOND FLOOR WATER FOUNTAIN
- 14.0 ppb – WEINBERG DRESSING ROOM A HAND SINK
- 7.4 ppb – WEINBERG DRESSING ROOM B HAND SINK
- 7.9 ppb – WEINBERG LOWER LEVEL WATER FOUNTAIN
- 8.8 ppb – WEINBERG ICE MACHINE
  
- 8.7 ppb – GYM LEFT WATER FOUNTAIN
- 8.4 ppb – GYM RIGHT WATER FOUNTAIN
- 12.3 ppb – MAIN BUILDING WATER FOUNTAIN, FIRST FLOOR, NEAR ROOM 104
- 8.4 ppb – MAIN BUILDING BOTTLE FILLING STATION BY ROOM 216
- 32.5 ppb – MAIN BUILDING STORAGE AREA SINK RIGHT TAP (*PERMANENTLY OUT OF SERVICE*)
- 57.9 ppb – MAIN BUILDING STORAGE AREA SINK LEFT TAP (*PERMANENTLY OUT OF SERVICE*)
- 14.7 ppb – MAIN BUILDING KITCHEN HAND SINK
- 12.4 ppb – MAIN BUILDING KITCHEN LARGE SINK
- 6.1 ppb – MAIN BUILDING VENDING HAND SINK
- 9.3 ppb – MAIN BUILDING CAFETERIA BOTTLE FILLING STATION

#### **ACTION LEVEL (AL)**

Effective June 1, 2021, the State's AL for lead in drinking water samples collected from outlets in school buildings has been lowered to 5 ppb. The AL is the concentration of lead which, if exceeded, triggers required remediation of drinking water outlets.

#### **HEALTH EFFECTS OF LEAD**

Lead can cause serious health problems if too much enters your body from drinking water or other sources. It can cause damage to the brain and kidneys and can interfere with the production of red blood cells that carry oxygen to all parts of your body. The greatest risk of lead exposure is to infants, young children, and pregnant women. Lead is stored in the bones, and it can be released later in life. During pregnancy, the fetus receives lead from the mother's bones, which may affect brain development. Scientists have linked the effects of lead on the brain with lowered IQ in children. Adults with kidney problems and high blood pressure can be affected by low levels of lead more than healthy adults.

#### **SOURCES OF HUMAN EXPOSURE TO LEAD**

There are many different sources of human exposure to lead. These sources include lead-based paint, lead-contaminated dust or soil, some plumbing materials, certain types of pottery, pewter, brass fixtures, food, and cosmetics, exposure in the workplace and exposure from certain hobbies, brass faucets, fittings, and valves. According to the Environmental Protection Agency (EPA), 10 to 20 percent of a person's potential exposure to lead may come from drinking water, while for an infant consuming formula mixed with lead-containing water this may increase to 40 to 60 percent.

#### **IMMEDIATE ACTIONS TAKEN**

- Students, parents, faculty, and staff notified.
- Drinking water outlets that do not meet standard are closed.
- Bottled water provided in various locations.

#### **NEXT STEPS**

The school will be providing bottled water until filtration systems and/or new drinking water outlets are installed that meet or exceed the new state standard.

#### **TO REDUCE EXPOSURE TO LEAD IN DRINKING WATER:**

1. Run your water to flush out lead: If water has not been used for several hours, run water for 15 to 30 seconds or until it becomes cold or reaches a steady temperature before using it for drinking or cooking.
2. Use cold water for cooking and preparing baby formula: Lead from the plumbing dissolves more easily into hot water.

*Please note that boiling the water will not reduce lead levels.*

#### **ADDITIONAL INFORMATION**

For additional information, please contact Diana Rego, Director of Finance and Operations at 410-433-880. For additional information on reducing lead exposure around your home/building and the health effects of lead, visit EPA's website at [www.epa.gov/lead](http://www.epa.gov/lead). If you are concerned about exposure; contact your local health department or healthcare provider to find out how you can get your child tested for lead.