

Lead in Drinking Water – Public and Nonpublic Schools

IMPORTANT NOTICE: ELEVATED WATER SAMPLE RESULT **Havre de Grace Middle 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 December 18, 19, and 20, 2018, one hundred forty-five (145) lead water samples were collected from Havre de Grace Middle School. Of these lead water samples, **thirty-six** had levels of lead exceeding the action level of 20 parts per billion (ppb) for lead in drinking water in school buildings. The elevated lead results from the samples collected at Havre de Grace Middle School were as follows:

1540 parts per billion (ppb) **Men’s restroom across from Room 43, far left sink**
1630 parts per billion (ppb) **Girl’s restroom across from Room 43, far left sink**
2200 parts per billion (ppb) **Girl’s restroom across from Room 43, right sink**
24.7 parts per billion (ppb) **Room 44 sink**
181 parts per billion (ppb) **Room 15, left, left sink**
206 parts per billion (ppb) **Room 15, left, second left sink**
69.2 parts per billion (ppb) **Room 15, left, third left sink**
122 parts per billion (ppb) **Room 15, left, fourth left sink**
502 parts per billion (ppb) **Room 15, left, fifth left sink**
38.7 parts per billion (ppb) **Room 15, right, right sink**
34.6 parts per billion (ppb) **Room 15, teacher’s sink**
43.9 parts per billion (ppb) **Room 16, left, left sink**
162 parts per billion (ppb) **Room 16, left, second left sink**
333 parts per billion (ppb) **Room 16, left, third left sink**
652 parts per billion (ppb) **Room 16, left, fourth left sink**
97.8 parts per billion (ppb) **Room 16, right, fourth right sink**
1330 parts per billion (ppb) **Room 16, right, third right sink**
128 parts per billion (ppb) **Room 16, right, second right sink**
107 parts per billion (ppb) **Room 16, right, right sink**
40.5 parts per billion (ppb) **Room 18, left sink**
39 parts per billion (ppb) **Room 18, back right sink**
812 parts per billion (ppb) **Room 20, science closet sink**
31.5 parts per billion (ppb) **Room 22, left, second left sink**
608 parts per billion (ppb) **Room 23, left, second left sink**
20.7 parts per billion (ppb) **Girl’s restroom across from Room 23, right sink**
23.7 parts per billion (ppb) **Room 27, back wall, far left sink**
64.6 parts per billion (ppb) **Room 27 back wall, second left sink**
39.2 parts per billion (ppb) **Room 27 back wall, second right sink**
25.9 parts per billion (ppb) **Room 27, sink by washer**
2360 parts per billion (ppb) **Boy’s restroom across from Room 34, right sink**
40.6 parts per billion (ppb) **Laundry room sink**
21.8 parts per billion (ppb) **Room 49 sink**
88 parts per billion (ppb) **Room 22 right, right sink**
1680 parts per billion (ppb) **Room 23, left, third left sink**
836 parts per billion (ppb) **Room 23, left, fourth left sink**
8350 parts per billion (ppb) **Room 23, left, fifth left sink**

ACTION LEVEL (AL)

The AL is 20 ppb for lead in drinking water in school buildings. The AL is the concentration of lead which, if exceeded, triggers required remediation.

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 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 work place 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

Results were received on June 26, 2019. Handwash only signs were placed at the sinks. Sinks no longer used were shut off.

NEXT STEPS

At this time our remedial action is to use these sinks for hand washing only.

TO REDUCE EXPOSURE TO LEAD IN DRINKING WATER:

1. Run your water to flush out lead: If water hasn't 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

1. For additional information, please contact **Patti Jo Beard, Harford County Public Schools**, at **410-638-4088**. 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. 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.