

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) **Highland View Academy**

ELEVATED LEAD WATER SAMPLE RESULT(S)

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 September 26, 111 lead water samples were collected from Highland View Academy. Of these lead water samples, 14 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 Highland View Academy were as follows:

6.3 parts per billion (ppb) Ad building girls bathroom sink
12.3 parts per billion (ppb) Ad building science lab sink
44.6 parts per billion (ppb) Ad building staff workroom sink
5.6 parts per billion (ppb) Boys dorm 3rd floor bathroom sink
31.2 parts per billion (ppb) Boys dorm room 202 sink
83.3 parts per billion (ppb) Boys dorm room 208 sink
69.5 parts per billion (ppb) Boys dorm room 102 sink
9.1 parts per billion (ppb) Boys dorm room 101 sink
13.9 parts per billion (ppb) Cafeteria dish room sink
7.0 parts per billion (ppb) Girls dorm 3rd floor bathroom sink
971 parts per billion (ppb) Girls dorm room 306 sink
10.4 parts per billion (ppb) Girls dorm room 213 sink
9.9 parts per billion (ppb) Girls dorm room 208 sink
10.9 parts per billion (ppb) Girls dorm room 105 sink

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

Upon being notified of the elevated levels of lead in the specific areas identified above, Highland View Academy immediately placed highly visible (state provided) signage at each location. These signs indicate that the water in these areas is not permitted for drinking.

NEXT STEPS

All 14 of the locations that showed elevated levels of lead have been identified as permanently closed for consumption.

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

For additional information, please contact Rob Gettys or Luther Walker at (301)739-8480. 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.