

# IMPORTANT NOTICE: Lead Water Sample Result

## Dayton Oaks Elementary School, PWSID: 1130041

### SAMPLE RESULT

On September 15, 2022, ten (10) lead water samples were collected from Dayton Oaks Elementary School located at 4691 Ten Oaks Road, Dayton, Maryland. The Safe Drinking Water Act requires the Howard County Public School System to provide each customer served by the facility on a regular basis (e.g. employees, staff, students, etc.) the results of those lead samples. The lead results from the samples collected at the above address were as follows:

Fixture Number	Result (parts per million (ppm))
5	0.0012
11	0.0013
17	0.0025
27	0.0025
33	0.0011
45	0.0011
49	None Detected
57	0.0010
70	0.0033
84	0.0014

### MAXIMUM CONTAMINANT LEVEL GOAL (MCLG) & ACTION LEVEL (AL)

The MCLG for lead is zero and the AL is 0.015 parts per million (ppm) for the 90<sup>th</sup> percentile. The MCLG is the level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety. The AL is the concentration of a contaminant which, if exceeded, triggers treatment of other requirements which a water system must follow.

### 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. 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. Lead is stored in the bones and it can be released later in life. During pregnancy, the child receives lead from the mother's bones, which may affect brain development.

### STEPS YOU CAN TAKE 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.
3. Look for alternative sources (e.g. bottled water) if lead levels are elevated.
4. Get your child tested. Contact your local health department or healthcare provider to find out how you can get your child tested for lead, if you are concerned about exposure.

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

## **ADDITIONAL INFORMATION**

For additional information, please contact the HCPSS, Office of the Environment at 410-313-8874. 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) or contact your health care provider.

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