

MERIDIAN SCHOOL COMPLEX

CONSUMER NOTICE Lead and Copper Water Sample Results

The Meridian School Complex, I.D. AB234, is providing you with the lead and copper test results on the water sample collected at your location. Please share this notice with everyone who uses or drinks the water.

The results at the Meridian School Complex are:

1B:	lead	ND mg/L	and	copper	0.308 mg/L – In Compliance
2B:	lead	ND mg/L	and	copper	0.312 mg/L – In Compliance
3B:	lead	ND mg/L	and	copper	0.186 mg/L – In Compliance
4B:	lead	ND mg/L	and	copper	0.225 mg/L – In Compliance
5B:	lead	ND mg/L	and	copper	0.219 mg/L – In Compliance
6B:	lead	ND mg/L	and	copper	0.273 mg/L – In Compliance
7B:	lead	ND mg/L	and	copper	0.294 mg/L – In Compliance
8B:	lead	0.0010 mg/L	and	copper	0.228 mg/L – In Compliance
9B:	lead	ND mg/L	and	copper	0.203 mg/L – In Compliance
10B:	lead	ND mg/L	and	copper	0.195 mg/L – In Compliance

The maximum contaminant level goal (MCLG) is the level of a contaminant in drinking water below which there are no known or expected risks to health. MCLGs allow for a margin of safety. The action level is the concentration of a contaminant that, if exceeded, triggers treatment requirements or actions a water system must follow.

- The MCLG for lead is “0” and the action level is 15 ppb (or .015 mg/L).
- The MCLG and action level for copper is 1,300 ppb (or 1.3 mg/L).
- “ND” refers to not detected

The water system’s compliance with the Lead and Copper Rule (LCR) is calculated by using sample results collected from sites in our sampling pool. Lead or copper results for a given location may be higher or lower than the compliance calculation for the overall water system.

For more information, please contact: Dave Olson, Operator

at (360) 354 - 7909 or 6912 Hannegan Road, #105, Lynden, WA 98264

This notice is sent to you by Meridian School Complex on 9/26/2024

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How Lead Gets Into Water

Lead in drinking water most often comes from water distribution lines or household plumbing rather than from the water system source. Plumbing sources can include lead pipes, lead solder, faucets, valves, and other components made of brass. Lead from other sources (such as lead-based paint and contaminated dust or soil) can increase a person's overall exposure, which adds to the effects of lead in water.

Potential Health Effects of Lead

The greatest risk of lead exposure is to infants, young children, and pregnant women. Lead can cause serious health problems if too much enters the body. Lead is stored in the bones and can be released later in life. Lead can cause damage to the brain and kidneys, interfere with production of red blood cells that carry oxygen, and may result in lowered IQ in children. During pregnancy, the child receives lead from the mother's bones, which may affect brain development. Low levels of lead can affect adults with high blood pressure or kidney problems.

How Copper Gets Into Water

Copper is a mineral and natural component in soils. In the correct amounts, it is an essential nutrient for humans and plants. In Washington State, most copper in drinking water comes from corrosion of household plumbing. Plumbing sources can include copper pipe and brass fixtures. Copper from plumbing corrosion can accumulate overnight.

Potential Health Effects of Copper

Although copper is an essential mineral in the diet, too much copper can cause health problems. Copper is widely distributed within the tissues of the body, but accumulates primarily in the liver and kidneys. A single dose of 15 mg of copper can cause nausea, vomiting, diarrhea, and intestinal cramps. Severe cases of copper poisoning have led to anemia and to disruption of liver and kidney functions. Individuals with Wilson's or Menke's diseases are at higher risk from copper exposure.

How you can reduce exposure:

- When your water has been sitting for several hours, flush the pipe by running the cold-water tap until the water is noticeably colder before using the water for drinking or cooking. **(The longer water has been sitting in the pipes, the more dissolved metals it may contain).**
- Use only cold water for drinking, cooking, and making baby formula. Hot water may contain higher levels of lead or copper.
- Frequently clean the filter screens and aerators in faucets to remove captured particles.
- If building or remodeling, only use "lead free" or low lead piping and materials. Avoid using copper piping or brass fixtures for locations where water will be consumed or used in food preparation (such as kitchen or bathroom sinks).