
PUBLIC EDUCATION NOTICE:

IMPORTANT INFORMATION ABOUT LEAD IN YOUR DRINKING WATER

Box Elder School District 13G found elevated levels of lead in drinking water in some homes/buildings. Lead can cause serious health problems, especially for pregnant women and children 6 years and younger. Please read this notice closely to see what you can do to reduce lead in your drinking water.

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.

Sources of Lead

Lead is a common metal found in the environment. Drinking water is one possible source of lead exposure. The main sources of lead exposure are lead-based paint and lead-contaminated dust or soil, and some plumbing materials. In addition, lead can be found in certain types of pottery, pewter, brass fixtures, food, and cosmetics. Other sources include exposure in the work place and exposure from certain hobbies (lead can be carried on clothing or shoes). Lead is found in some toys, some playground equipment, and some children's metal jewelry.

Brass faucets, fittings, and valves, including those advertised as "lead-free," may contribute lead to drinking water. The law currently allows pipes, fittings, and fixtures with up to .25 percent weighted average of lead to be identified as "lead-free."

When water is in contact with pipes [or service lines] or plumbing that contains lead for several hours, the lead may enter drinking water. Homes built before 1988 are more likely to have lead pipes or lead solder.

EPA estimates that up to 20 percent of a person's potential exposure to lead may come from drinking water. Infants who consume mostly formula mixed with lead-containing water can receive 40 to 60 percent of their exposure to lead from drinking water.

Don't forget about other sources of lead such as lead paint, lead dust, and lead in soil. Wash your children's hands and toys often as they can come into contact with dirt and dust containing lead.

Steps You Can Take to Reduce Your Exposure to Lead in Your Water

- 1. Run your water to flush out lead.** Run water for 15-30 seconds to flush lead from interior plumbing [Run water for 5 minutes if you have a lead service line or any lead pipes in your home plumbing] or until it becomes cold or reaches a steady temperature before using it for drinking or cooking, if it hasn't been used for several hours.
- 2. Use cold water for cooking and preparing baby formula.** Do not cook with or drink water from the hot water tap; lead dissolves more easily into hot water. Do not use water from the hot water tap to make baby formula.

3. **Do not boil water to remove lead.** Boiling water will not reduce lead.
4. **Look for alternative sources or treatment of water.** You may want to consider purchasing bottled water or a water filter. Read the package to be sure the filter is approved to reduce lead or contact NSF International at 800-NSF-8010 or www.nsf.org for information on performance standards for water filters. Be sure to maintain and replace a filter device in accordance with the manufacturer's instructions to protect water quality.
5. **Test your water for lead.** Call us at [insert phone number for your water system] to find out how to get your water tested for lead. [Include information on your water system's testing program. For example, do you provide free testing? Are there labs in your area that are certified to do lead in water testing?]
6. **Get your child's blood 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.
7. **Identify and replace plumbing fixtures containing lead.** Brass faucets, fittings, and valves, including those advertised as "lead-free," may contribute lead to drinking water. The law previously allowed end-use brass fixtures, such as faucets, with up to 8 percent lead to be labeled as "lead free." As of January 4, 2014, end-use brass fixtures, such as faucets, fittings and valves, must meet the new "lead-free" definition of having no more than 0.25 percent lead on a weighted average. Visit the website at <http://www.nsf.org/newsroom/identifying-lead-free-certification-marks-on-plumbing-products-1> to learn more about lead-containing plumbing fixtures and how to identify lead-free certification marks on new fixtures.

What Happened? What is Being Done?

During our routine water inspection on September 11, 2020 a lead sample exceeded Department of Environmental Quality standards. The source of the lead in the water was from a faucet in classroom 17. DEQ lead levels above 0.015 mg/L require a public notice. The water sample measured 0.032 mg/L. The water has not been flowing in the room as there have been minimal people in the classroom during the current pandemic. The faucet has not been in use and this likely caused a buildup that exceeded DEQ standards.

In order to reduce levels the District will be coordinating with a water quality expert and work with DEQ to reduce the level of lead back under DEQ standards. We will flush the pipe system and retest regularly to ensure the matter is addressed.

This is the first time lead levels in Box Elder has exceeded the DEQ standard. We feel this is due to Covid-19's impact because there have been few people in the building and the water in the room has not flowed, likely since March. Stagnant water in the pipes was likely the cause of the high reading.

For More Information

Call us at (406) 352-4195 or visit our website at boxelderbears.org. For more information on reducing lead exposure around your home/building and the health effects of lead, visit EPA's website at www.epa.gov/lead or contact your health care provider.

The Box Elder School District is following DEQ guidelines in notifying the public of the lead levels exceeding DEQ standards. We will be doing so in District mail going out on November 4, 2020. Our state water system ID is 2521. Please contact Superintendent MacDonald if you would like additional information.