

The Vernonia Schools building water was recently tested through the City of Vernonia's lead tap monitoring program. According to the report:

"A lead level of None Detected was reported for the sample collected on August 23, 2016, at your location, 1000 Missouri Avenue. Your result, as well as the 90th percentile value for our water system, is below the lead action level of 15 parts per billion." All of the tests performed by the City "conform to NELAC standards."

The other metal tested for in this analysis was copper. There were .119 parts per billion detected. While this reading is above the Minimum Reporting Limit of .05 parts per billion, it is well below the Maximum Contamination Limit of 1.3 parts per billion.

Mist Grade School also had water quality testing completed on September 22, with coliforms listed as "Absent" in all areas. Drinking water at Mist Grade School is currently provided through a bottled water delivery company, and there are no plans to change these arrangements.

Further testing of the schools' water systems was performed independently from the City tests on September 28, still meeting all requirements of NELAP. The Minimum Reporting Limit (MRL) for lead is .0002 parts per billion. The Maximum Contamination Limit (MCL) is .02 parts per billion. Results for the Vernonia Schools building, the "House" located at 1201 Texas Avenue and Mist Grade School were well below the MCL as follows:

Vernonia Schools: There were .0015 parts per billion of lead detected.

House at 1201 Texas Avenue: There were .0027 parts per billion of lead detected.

Mist Grade School: No lead was detected at or above the MRL.

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SEP 29 2016

BY:.....

Consumer Notice of Tap Water Results For Community Water Systems

Dear Vernonia School District,

The City of Vernonia appreciates your participation in the lead tap monitoring program. A lead level of None detected was reported for the sample collected on 8-23-2016 at your location, 1000 Missouri Ave.

Your result, as well as the 90th percentile value for our water system, is below the lead action level of 15¹⁰ parts per billion.

What Does This Mean?

Under the authority of the Safe Drinking Water Act, the U.S. Environmental Protection Agency (EPA) set the action level for lead in drinking water at 15 ppb. This means utilities must ensure that water from the customer's tap does not exceed this level in at least 90 percent of the homes sampled (90th percentile value). The action level is *the concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow*. If water from the tap does exceed this limit, then the utility must take certain steps to correct the problem. Because lead may pose serious health risks, the EPA set a Maximum Contaminant Level Goal (MCLG) of zero for lead. 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*.

What Are the 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.

What Are the Sources of Lead?

The primary sources of lead exposure for most children are deteriorating lead-based paint, lead contaminated dust, and lead contaminated residential soil. Exposure to lead is a significant health concern, especially for young children and infants whose growing bodies tend to absorb more lead than the average adult. Although our facility's lead level were below the action level, if you are concerned about lead exposure in your home, parents should ask their health care providers about testing children to determine levels of lead in their blood.

What Can I Do to Reduce Exposure to Lead in Drinking Water?

Although the test results are below EPA's action level, you may still want to take steps to further

reduce your exposure.

- **Run your water to flush out lead.** If water hasn't been used for several hours, run water for 15-30 seconds to flush out interior plumbing [OR INSERT DIFFERENT FLUSHING TIME IF YOUR SYSTEM HAS REPRESENTATIVE DATA INDICATING A DIFFERENT FLUSHING TIME WOULD BETTER REDUCE LEAD EXPOSURE IN YOUR COMMUNITY AND IF THE STATE APPROVES THE WORDING] or until it becomes cold or reaches a steady temperature before using it for drinking or cooking.
- **Use cold water for cooking and preparing baby formula.**
- **Do not boil water to remove lead.**
- **Look for alternative sources or treatment of water (such as bottled water or water filters).**
- **Re-test your water for lead periodically.**
- **Identify and replace plumbing fixtures containing lead.**

For More Information

Call us at 503-429-6921. For more information on reducing lead exposure around your home and the health effects of lead, visit EPA's website at www.epa.gov/lead, call the National Lead Information Center at 800-424-LEAD, or contact your health care provider.



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ANALYSIS REPORT

ORELAP Accredited Lab#: OR-100013

Reported: 09/21/2016
Received: 08/23/2016
Sampled By:
Work Order: 6236011

C Vernonia, City of
L Attn: Jeff Burch
I 1001 Bridge St.
E Vernonia OR, 97064
N Phone: (503) 429-6921
T

Project:
Project # : N/A
PWSID # : 4100922

Sample Matrix: Drinking Water
Sampling Location:

Lab Number

Code	Method	Units	Result	MRL	EPA MCL	Analysis Date/ Time
6236011-01						
Sample Name: 1000 Missouri Ave						Matrix: Drinking Water
Sampled: 8/23/16 6:45						
Sample Composition: Treated Distribution Single						
<i>Metals (Total)</i>						
†Copper	1055	SM3111B	mg/L	0.119	0.050 1.3	09/20/16 15:30
†Lead	1030	EPA 200.9	mg/L	ND	0.0020 0.015	09/14/16 15:36

ND = None detected at the MRL **MRL** = Minimum Reporting Limit **MCL** = Maximum Contamination Limit
†All procedures for this analysis conform to NELAC standards.

Approved by:

Adriana Gonzalez-Gray
Laboratory Director