



UNION STAR R-II SCHOOLS
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Dr. Rick Calloway, Superintendent
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Lead Testing Initial Test Results

In August of 2022, the *Get the Lead Out of School Drinking Water Act* was passed in Missouri. Before January 2024, all schools must have all water outlets used for drinking or food preparation tested for lead and must plan to remedy any issues that occur. During our initial testing, two outlets were found to have over five parts per billion of lead in the sample. Those two samples came from a science lab sink and a boys' locker room shower which should not be used for drinking water or food preparation. However, to be safe, these two areas will not be used until they are retested and found to meet the standards of the act. Below are the testing results that were received by the outside company that completed the tests. If you have any questions, you may contact Dr. Rick Calloway at the phone number above.

We received the results from the first round of lead testing. In accordance with statute, these results are being communicated to parents and staff.

Total test points sampled—37

- Total samples with lead detected—15 (40.5%)
- Total samples above the action level of 5 parts per billion (ppb)—2 (5.4%)

Immediate actions:

In accordance with guidance from the EPA, the affected faucets or outlets should have signage placed to indicate it is non-potable, not for drinking, or washing dishes. This signage can be temporary since testing is still in progress to localize the source of lead contaminants.

Both actionable sample results are from hand sinks and showers, and should have signage placed to indicate it is “non potable” or “do not use” until testing and remediation is complete.

Next steps:

Follow up flush samples will be collected per EPA and DHSS testing guidelines. Scheduled for August 30, 2023.

Health:

[Tri-County Health Department](#)

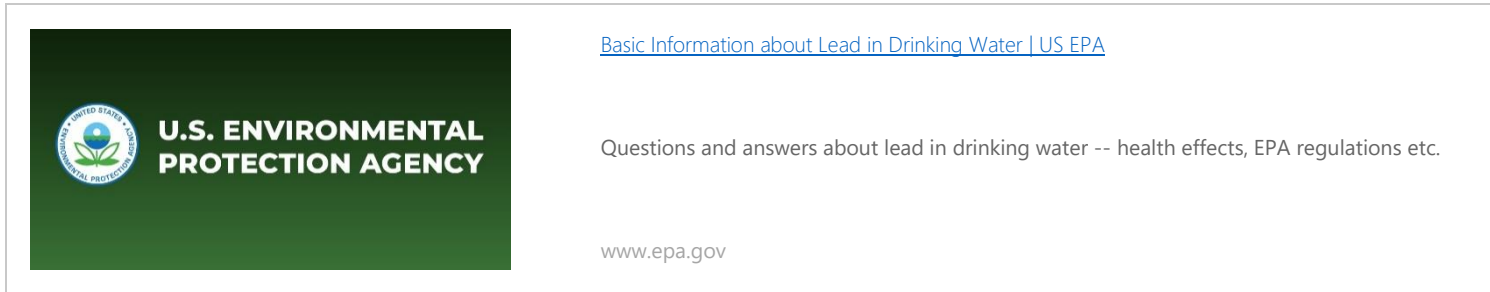
tricountyhd.com

[200 N. Camden St. Maysville, MO 64469](http://200.N.Camden.St.Maysville.MO.64469)

[\(816\) 449-5706](http://(816).449-5706)

Additional information and resources on the health effects of lead contamination are available here:

<https://www.epa.gov/ground-water-and-drinking-water/basic-information-about-lead-drinking-water#health>

A screenshot of a webpage from the U.S. Environmental Protection Agency (EPA). On the left is the EPA logo, which includes a circular emblem with a tree and water, and the text "U.S. ENVIRONMENTAL PROTECTION AGENCY". To the right of the logo, the text reads "Basic Information about Lead in Drinking Water | US EPA". Below this, it says "Questions and answers about lead in drinking water -- health effects, EPA regulations etc." and "www.epa.gov".

Basic Information about Lead in Drinking Water | US EPA

Questions and answers about lead in drinking water -- health effects, EPA regulations etc.

www.epa.gov

Lab report and flush sampling plan are available on the school website.

Testing criteria:

Each sample was tested for total lead content which includes dissolved and particulate. The elevated level is defined as a level of lead ≥ 5 ppb. Sampling was conducted per EPA test guidelines by initial draw after stagnation (periods of non-use that exceed eight hours). This manner of testing is the first step in localization and is paired with follow-up flush testing to further localize the source of any elevated levels.

Explanation of results:

37 test samples were submitted for testing. 15 were returned with detectable levels. 2 initial draw samples tested ≥ 5 ppb total lead. See the follow-up flush plan for required test points.

What this means:

- The initial sample test is used to determine if there is an appreciable amount of lead of more than 5ppb present in the outlet being tested.
- The lab report shows that 15 outlets (test point) have lead being leached into the water during the mandatory stagnation period.
- Follow-up flush samples will be conducted to determine the source of the contaminants. The flush test point plan lists the test point and the noun nomenclature for reference.

Remediation:

These are efforts to mitigate and correct the levels of lead to which children and staff are exposed: The remediation plan will be posted when follow-up flush testing results are received and fiduciary constraints as well as maintenance availability have been considered.

Follow-up Flush Plan for Union Star R-2

Flush Point Test Plan:

Hand Sink #1 in Science Lab

Shower #2 in Boys Locker Room