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**South Nodaway R-IV Elementary & High Schools**  
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### **Lead Testing Initial Test Results**

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—42

- Total samples with lead detected—24 (57.1%)
- Total samples above the action level of 5 parts per billion (ppb)—12 (28.57%)
- See Lab sheet for individual results; ND is none detected.

#### **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.

One sample was from a hydrant on the football field. All other actionable sample results are from hand sinks and showers. All 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, 2023.

#### **Health:**

**[Nodaway County Health Center](#)**


[nodawaypublichealth.org](http://nodawaypublichealth.org)

[2416 S. Main St, Maryville, MO 64468](#)

[\(660\) 562-2755](tel:(660)562-2755)

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>



**U.S. ENVIRONMENTAL PROTECTION AGENCY**

[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](http://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  $\geq 5$ 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:**

42 test samples were submitted for testing. 24 were returned with detectable levels.

12 initial draw samples tested  $\geq 5$ 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 24 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 South Nodaway**

### Flush Point Test Plan:

HAND SINK IN AG SHOP

MIDDLE SCH BOYS LOCKER ROOM SHOWER #1

MIDDLE SCH BOYS LOCKER ROOM SHOWER #2

MIDDLE SCH GIRLS LOCKER ROOM SHOWER #3

MIDDLE SCH GIRLS LOCKER ROOM SHOWER #1

MIDDLE SCH GIRLS LOCKER ROOM SHOWER #2

HIGH SCH BOYS LOCKER ROOM SHOWER #1

HIGH SCH BOYS LOCKER ROOM SHOWER #2

HAND SINK IN HIGH SCH GIRLS LOCKER RM

HIGH SCH GIRLS LOCKER ROOM SHOWER #1

HIGH SCH GIRLS LOCKER ROOM SHOWER #2

HYDRANT #2 MID BALL FIELD