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 via written notification.

* Total test points sampled—130
* Total samples with lead detected—73 (55.7%)
* Total samples with lead levels above the action level of 5ppb—24 (18.3%)

**Immediate actions:**

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

**Next steps:**

Follow-up flush samples will be collected following EPA and DHSS testing guidelines.

**Health:**

[**Benton County Health Department**](https://www.bing.com/ck/a?!&&p=d5103a1b34680c92JmltdHM9MTcyMzY4MDAwMCZpZ3VpZD0wYjMxZjJmNS0wMmM3LTYyNzQtMzU4MC1lMTc0MDNlZDYzMDUmaW5zaWQ9NTY1NQ&ptn=3&ver=2&hsh=3&fclid=0b31f2f5-02c7-6274-3580-e17403ed6305&u=a1aHR0cHM6Ly93d3cuYmluZy5jb20vYWxpbmsvbGluaz91cmw9aHR0cHMlM2ElMmYlMmZ3d3cuYmVudG9uaGVhbHRoLm9yZyUyZiZzb3VyY2U9c2VycC1sb2NhbCZoPTdwaFM2M3B6dWQ0dXlwJTJmRkwlMmZCR3BkdyUyZnBodlAyTW5mbHVBZTB0Vm43alElM2QmcD1sd190cHQmaWc9OURGNzlENkU4RjdBNERFRkJFRDI5RkFBMjZDRDU5QTcmeXBpZD1ZTjQ4NHgyMDM2MTgzNTA&ntb=1)Warsaw, MO (660) 438-2876

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 picture containing logo  Description automatically generated | [Basic Information about Lead in Drinking Water | US EPA](https://www.epa.gov/ground-water-and-drinking-water/basic-information-about-lead-drinking-water#health)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 ≥ 5pbb. 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:**

130 outlets were sampled and tested- this includes the water main entry points and any outlet that is used or potentially could be used for drinking cooking or washing dishes.

All outlets that tested at greater than 5 part per billion are considered “elevated” by statute and are required to have some form of remediation. For comparison, the state standard for communities is 15 parts per billion. Younger children are more susceptible to the effects of lead/heavy metal toxicity and as such, higher consideration is given to outlets that fail in pre-k through 3rd grade areas.

Filtration units with filter cartridges (ANSI/NSF Standard 53) have been shown to reduce lead content by over 90%

**Remediation:**

Remediation recommendations are listed below with the failed outlet. All outlets in kitchens/concession stands and elementary classrooms empirical data has shown that 90% of faucet failures are due to clogged aerators and many times replacement solves the elevated readings. However, filtration units are recommended for any critical area faucets. Critical areas are kitchens/sped rooms/Concession/FACS and pre-k through 3rd grade.

Non-critical outlets such as restrooms and science labs are listed to have signage installed to indicate “Hand wash or external use only” as appropriate.

Retesting and flush sampling will determine if the supply lines inside the building are contributing to the total lead content or if the result is limited to the faucets.

***FOLLOW UP FLUSH PLAN FOR Lincoln R-II***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Initial | Flush | Remedial | Location | Remediation Recommendations |
| 19.6 | #CALC! | #CALC! | BASKETBALL CONCESSION FOOD PREP SINK SCULLERY SPRAYER | Remove and cap |
| 8.42 |   |   | HS RM1 HOME ECON FOOD PREP SINK ON RIGHT | Install point of use filter on faucet |
| 6 |   |   | HS RM6 SCIENCE FRONT ISLAND HAND SINK ON LEFT | Install Hand wash only signage |
| 25.4 |   |   | HS RM6 SCIENCE MIDDLE ISLAND HAND SINK ON RIGHT | Install Hand wash only signage |
| 9.47 |   |   | HS RM7 SCIENCE HAND SINK | Install Hand wash only signage |
| 21.5 |   |   | KITCHEN SCULLERY SPRAYER | Replace sprayer with lead free model |
| 44 |   |   | ELEM RM26 MUSIC HAND SINK | Install Hand wash only signage |
| 30.8 |   |   | ELEM LIBRARY HAND SINK | Install point of use filter on faucet |
| 22.4 |   |   | ELEM RM28 HAND SINK | Remove Aerators and retest  |
| 46 |   |   | ELEM RM29 HAND SINK |
| 17.8 |   |   | ELEM RM30 HAND SINK |
| 26.5 |   |   | ELEM RM31 HAND SINK |
| 16.2 |   |   | ELEM RM32 HAND SINK |
| 21 |   |   | ELEM RM33 HAND SINK |
| 14.2 |   |   | ELEM RM34 HAND SINK |
| 8.5 |   |   | ELEM RM35 HAND SINK |
| 21.7 |   |   | ELEM RM36 HAND SINK |
| 19.5 |   |   | ELEM RM36 RR SINK | Install Hand wash only signage |
| 9.27 |   |   | ELEM RM37 HAND SINK | Remove areators and retest |
| 5.26 |   |   | ELEM RM37 RR SINK | Install Hand wash only signage |
| 8.08 |   |   | ELEM RM39 HAND SINK | Remove areators and retest |
| 19.1 |   |   | ELEM RM40 HAND SINK |
| 12.5 |   |   | ELEM RM41 HAND SINK |
| 13.8 |   |   | ELEM RM43 HAND SINK |