



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.

Immediate actions:

In accordance with guidance from the EPA, the affected faucets or outlets should either be shut off or 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.

Explanation of results:

Total test points sampled—346

Total samples with lead detected: 170 (49%)

Total samples with lead levels above the action level of 5ppb: 65 (19%)

The most common cause of outlets testing for elevated levels of lead (pb) is due to corrosion within the fixture itself, which is caused by low pH, low alkalinity, high temperatures, and high corrosivity. Other causes are corroded iron and galvanized pipes or copper pipes that were installed before the lead and copper rule (40 CFR 141) whereby rust particulate matter becomes entrapped in lime scale and calcium deposits, usually in the aerators.

Remediation:

These are efforts to mitigate and correct the levels of lead to which children and staff are exposed: Recommendations are currently pending results of flush sample testing.

Next steps:

Follow up flush samples will be collected per EPA and DHSS testing guidelines and are scheduled for May 15th, 2024.

Testing criteria:

Each sample was tested for total lead content which includes dissolved and particulate. An elevated level is defined as a level of lead \geq 5ppb. 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.

Health:



Health information and assistance is available from

www.springfieldmo.gov

Springfield-Greene County Health Department

[227 E Chestnut Expy, Springfield, MO 65802](http://227%20E%20Chestnut%20Expy,%20Springfield,%20MO%2065802)

[\(417\) 864-1658](tel:4178641658)

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>



[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 reports and flush sampling plan are available on the school website.