

Get the Lead Out, Sampling and Analysis Plan

Introduction

In 2023, the State of Missouri adopted 160.007 to the Revised Statutes of the State of Missouri. This State mandate requires all school districts in Missouri to regularly test drinking water outlets within their schools to ensure that the lead concentration levels are below 5 parts per billion. The State is taking this step to help reduce the risk of lead exposure in schools since there is no safe level of lead exposure in children.

For context and as a point of reference, the current Environmental Protection Agency limit for lead in public drinking water is 15 parts per billion. Fortunately, the water quality provided to the District by the City of Liberty and City of Kansas City (both provide Liberty Public Schools with public drinking water) routinely falls below the new 5 parts per billion threshold. Therefore, the drinking water provided to Liberty Public Schools facilities likely already meets the standard of this new regulation (5 parts per billion). That said, there still could be incidents of non-compliance as the water can be affected within public water mains, private water mains or directly at the faucet / drinking fountain. Accordingly, Liberty Public Schools will implement the following sampling and analysis plan per the requirements of state statute 160.007.

This sampling and analysis plan identifies the framework used to administer the program. The plan will be made available via the District website.

The plan encompasses the following: introduction, timeline; inventory; sampling and testing; communication; remediation; record keeping and reporting.

Timeline for Implementation

1. On or before January 1, 2024, each District shall:
 - a. Inventory of all drinking water outlets
 - b. Develop a plan for testing each outlet and make plan available to the public
 - c. Upon request, provide general information on the health effects of lead contamination and additional informational resources for employees and parents

2. Before the first day of school in August of 2024, each District shall:
 - a. Test all drinking water outlets and make results and remediation plans available

Inventory

This plan will be used to administer the inventory, sampling, and testing of drinking water outlets at the following locations:

Building Name	Building Address
Alexander Doniphan Elementary	1900 Clay Drive, Liberty, MO 64068
Discovery Middle School	800 Midjay Drive, Liberty, MO 64068
Distribution Center	1138 Southview Drive, Liberty, MO 64068
District Administration Center	8 Victory Lane, Liberty, MO 64068
Early Childhood Center	96 NE 79 th , Kansas City, MO 64158
Epic Elementary	650 Conistor Street, Liberty, MO 64068
Facilities Center	1138 Southview Drive, Liberty, MO 64068
Franklin Elementary	201 West Mill Street, Liberty, MO 64068
Heritage Middle School	600 W. Kansas, Liberty, MO 64068
Kellybrook Elementary	10701 N. Eastern Ave., Kansas City, MO 64157

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Lewis and Clark Elementary	1407 Nashua Road, Liberty, MO 64068
Liberty Academy	1115 Blackberry, Liberty, MO 64068
Liberty High School	200 Blue Jay Drive, Liberty, MO 64068
Liberty Middle School	1500 S. Withers, Liberty, MO 64068
Liberty North High School	1000 NE 104 th Street, Liberty, MO 64068
Liberty Oaks Elementary	8150 N. Farley, Kansas City, MO 64158
Lillian Schumacher Elementary	425 Claywoods Parkway, Liberty, MO 64068
Manor Hill Elementary	1400 Skyline Drive, Liberty, MO 64068
Ridgeview Elementary	701 Thornton, Liberty, MO 64068
Shoal Creek Elementary	9000 NE Flintlock Road, Liberty, MO 64068
South Valley Middle School	1000 Midjay Drive, Liberty, MO 64068
Support Services	801 S. Kent #800, Liberty, MO 64068
Technology Center	1000 Kent Street, Liberty, MO 64068
Warren Hills Elementary	1251 Camille Street, Liberty, MO 64068

1. Drinking Water Outlets

The following drinking water outlets at each location (building) will be included in the inventory, sampling and testing:

- a. Drinking fountains
- b. Sinks (kitchen, classroom, breakroom, bathroom)
- c. Exterior spigots on athletic fields used for drinking water supply
- d. Ice machines
- e. Coffee machines
- f. Kitchen pot fillers
- g. Dishwashing equipment

2. Drinking Water Outlet Identification

At the time of inventory all drinking water outlets were assigned a unique sample identification number that will allow for easy correlation between sample results and source information.

Sampling / Testing

The District partnered with an environmental consultant who will conduct all sampling and a laboratory approved by the Environmental Protection Agency will conduct testing and analysis of the samples.

Communication

Once test results are available they will be posted on the District web page for viewing.

If a test result exceeds five parts per billion, the District will contact parents and staff via written notification within seven business days after receiving the test result. The notification shall include:

1. The test results and summary that explains such results
2. A description of general health effects of lead contamination and community specific resources
3. A description of any remediation steps taken

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Remediation

If warranted, remediation to correct elevated concentrations of lead above 5 parts per billion and prevent additional exposure to students or staff will be completed. Initial remediation will consist of removing the drinking water outlet from service and ensuring that adequate safe drinking water is made available for students and staff. Remediation efforts will be based on the source of lead and could require the replacement of a fixture or require the addition of filtration.

Once all drinking water outlets have been remediated, testing will be repeated to ensure outlets that initially failed are below 5 parts per billion.

1. Follow up Testing and Reporting

After initial testing and remediation, at least 25% of remediated drinking water outlets will be tested annually until all remediated outlets have been tested. Drinking water outlets that test below 5 parts per billion, will be retested every five years.

Annual test results shall be submitted to the Department of Health and Senior Services.

Record Keeping

Proper record keeping is critical to ensure sampling information is recorded, maintained, and made available for the completion of annual reporting to the Missouri Department of Health and Senior Services.

1. Sampling Reports

The District will maintain a copy of the sampling report from the environmental consultant which will include the following information:

- a. Sampling method
- b. Sample inventories complete with sampling results
- c. Analytical results and chain-of-custody documentation
- d. Recommendations for any sources with analytical results above 5 parts per billion (ppb)

2. Records

The District will maintain records of all activities completed under this plan in a central location for access. The following reports and documentation related to sampling / remediation will be maintained under this plan:

- a. Sampling Plan
- b. Sampling reports and analytical documentation
- c. Remediation activities completed
- d. Follow up sampling reports
- e. Annual and five-year sampling reports

Reports and sampling documentation will be kept at the following location: Liberty Public Schools, 1138 Southview Drive, Liberty, MO. 64068

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Key Personnel

The District is committed to providing a safe and healthy environment for education in our community. If you have any questions, please reach out. The following individuals represent key personnel involved in this important project.

Contact	Title	Contact Information	Phone
Steve Aldrich	Director of Facilities and Grounds	Steven.aldrich@lps53.org	816-736-7090