



**Environmental
Works, Inc.**

**Lesterville R-IV School District
Lead in Drinking Water
Sampling and Testing Plan**

Prepared For:

Lesterville R-IV School District
33415 Highway 21
Lesterville, Missouri 63654

Prepared By:

Environmental Works, Inc.
2008 North Westwood Blvd.
Poplar Bluff, MO 63901

Plan Prepared:

April 11, 2024

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1.0 Purpose

Environmental Works, Inc. (EWI), on behalf of the Lesterville R-IV School District (Lesterville), has prepared this Lead in Drinking Water Sampling and Testing (LDWST) Plan in response to the Missouri Revised Statutes of Missouri (RSMo) Chapter 160 Section 077 (160.077). This LDWST Plan includes procedures for inventorying and sampling outlets used for drinking water and water dispensed for cooking and cleaning of eating and cooking utensils in each of the school buildings.

This Plan has been prepared to meet the requirements of the RSMo 160.077, the Environmental Protection Agency's (EPA) 3Ts for Reducing Lead in Drinking Water, and the EPA Safe Drinking Water Act (SDWA). The Lesterville R-IV School District has distributed this LDWST Plan to the public through the District's website <https://lesterville.k12.mo.us/>. General information on the health effects of lead contamination and additional informational resources for employees and parents of children at each school will be provided upon request.

1.1 Regulatory Schedule Requirements (RSMo 160.077(4))

In accordance with RSMo 160.077, on or before January 1, 2024, each school will:

- Conduct an inventory of all drinking water outlets and all outlets that are used for dispensing water for consumption, cooking, and cleaning of cooking and eating utensils;
- Develop a Plan for testing each outlet inventoried;
- Provide the Plan to the public; and
- Upon request, provide general information on the health effects of lead contamination and additional informational resources for employees and parents of children at each school.

Before August 1, 2024, or on the first day students will be present in the building, whichever is later, each school will:

- Complete sampling in accordance with RSMo 160.077,
- Make all testing results and any lead remediation plans available on the school's website within two weeks of receiving final analytical test results, and
- Remove and replace any drinking water coolers or drinking water outlets that the EPA has determined are not lead-free under the federal Lead Contamination Control Act of 1988.

2.0 School District Description and Contact Information

2.1 School District Information

School Name: Lesterville

School District: Lesterville R-IV

School Type: Public

Address: 33415 Highway 21
Lesterville, MO 63654

Phone: (573)448-3712 (O) and (573)-370-2282 (F)

Email: jmyers@lesterville.k12.mo.us

Contact: Jeremy Myers
Superintendent
(573)-637-2201

2.2 Buildings

The following table summarizes the schools covered in this LDWST Plan.

Schools	Level	Grade	Address
Lesterville R-IV Elementary	Elementary	Pre-K – 6th	33415 Highway 21 Lesterville, MO 63654
Lesterville R-IV High School	High School	7th – 12th	33415 Highway 21 Lesterville, MO 63654
Lesterville R-IV Elementary Supplemental	Elementary	Pre-K – 8th	33415 Highway 21 Lesterville, MO 63654
Lesterville R-IV Alternative	Elementary – High School	Pre-K – 12th	33415 Highway 21 Lesterville, MO 63654
Lesterville R-IV Cafeteria and Kitchen	NA	Pre-K – 12th	33415 Highway 21 Lesterville, MO 63654

3.0 Inventory

The Lesterville R-IV School District completed a building and outlet questionnaire, and EWI completed a site visit to gather information such as:

- Date of building construction,
- Year and location of plumbing repairs,
- Location where water enters the building and flow,
- Identification of any known lead lines or plumbing components,
- Location of water pipes and piping material,
- Location of any tanks in the plumbing system,
- Identification of all faucets and fixtures used for drinking water and cooking, and
- Identification of filters, aerators, signs of corrosion, or banned water cooler tanks.

3.1 Outlet Identification and Prioritization

Drinking water and cooking outlets were identified from the questionnaire and site visit in accordance with the Missouri RSMo's 160.077.2 drinking water outlet definition, which includes but may not be limited to:

- a) A water fountain, faucet, or tap that is used or potentially used for drinking or food preparation and
- b) Ice-making and hot drink machines.

Building diagrams are attached in **Appendix A**, detailed information on each building can be found in **Appendix B**, and the outlets identified in the inventory are outlined in **Appendix C**.

4.0 Sampling and Testing

4.1 Initial Sampling and Testing

The outlet inventory and prioritization schedule included in this plan will be used to conduct sampling for the Lesterville R-IV School District. Samples will be collected using proper sampling procedures. The sampler will utilize laboratory prepared 250-milliliter (mL) unpreserved plastic containers to collect outlet water for analysis of lead by Method 200.8. Samples will be labeled, managed under a Chain of Custody, and sent to a certified laboratory for analysis. EW1 personnel will collect samples from each identified outlet based on the following criteria:

First Draw Sampling

First draw samples will be immediately collected from the outlet from the first water after the outlet is turned on. Samples will be collected after a stagnation period of at least 8 hours but no greater than 18 hours.

Flush Sampling

Follow-up flush samples will be collected from at least 25% of inventoried drinking water outlets.

All results will be summarized in a final report, submitted to the Missouri Department of Health and Senior Services, and published on the Lesterville R-IV School District website.

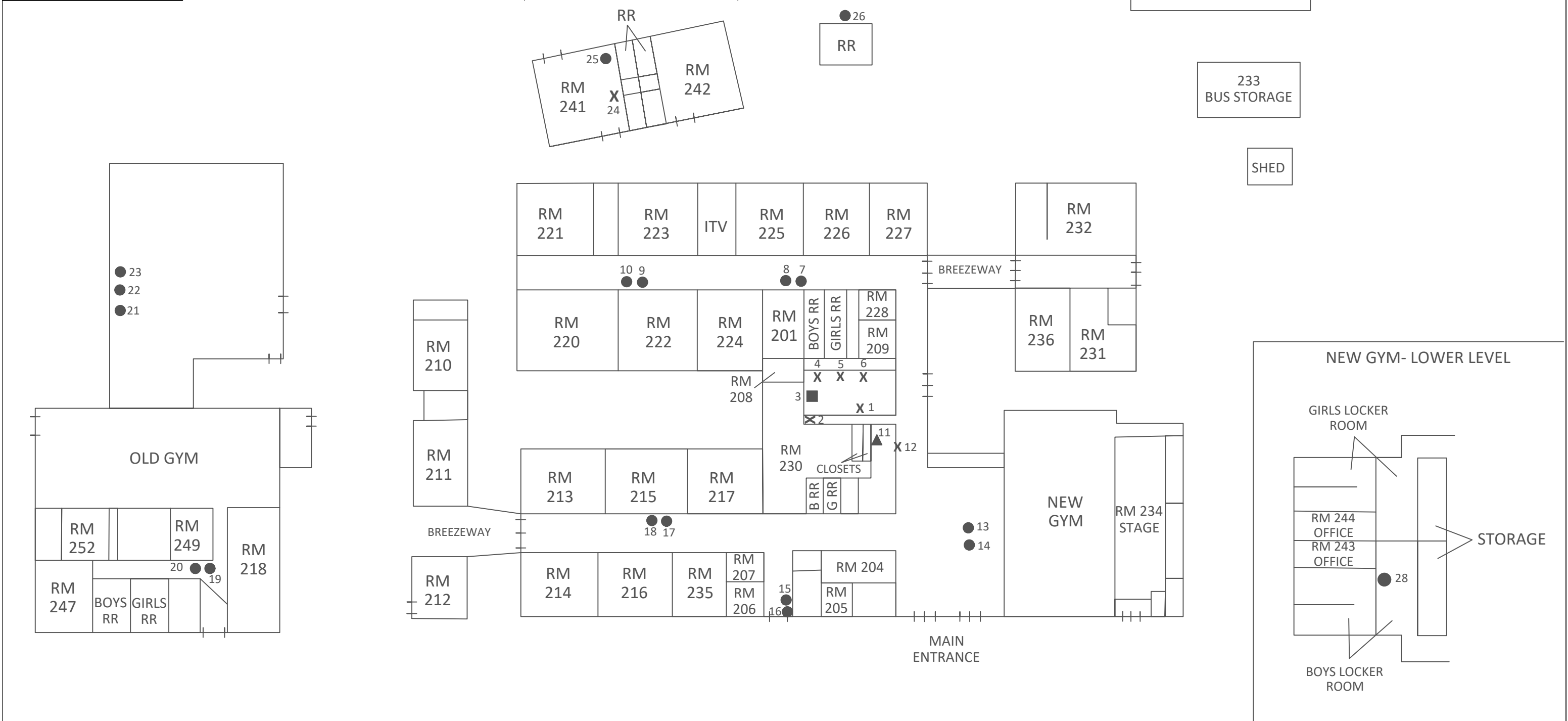
4.2 Subsequent Sampling and Testing



If initial testing finds lead above 5 parts per billion (ppb), the Lesterville R-IV School District will implement remedial measures, then test and sample 25% of remediated drinking water outlets by first draw and follow-up flush sampling annually.

If initial testing does not find a drinking water source with a lead concentration above 5 ppb, Lesterville School District will complete testing and sampling every five years.

APPENDIX A – Building Diagrams

LEGEND	
●	FOUNTAIN
X	FAUCET
▲	ICE MACHINE
■	DISHWASHER
#	SAMPLE LOCATIONS
RR	RESTROOM



	CHECKED BY: M. KEITH	NOT TO SCALE		Kansas City Office Location: 1731 Locust Street Kansas City, MO 64108 Phone: (417) 890-9500	BUILDING DIAGRAM		FIGURE 1
	E.W.I. # 240342 DRAWN BY: TW Feb. 28, 2024				LESTERVILLE R-IV SCHOOL DISTRICT 33415 HIGHWAY 21 LESTERVILLE, REYNOLDS COUNTY, MISSOURI		

APPENDIX B – Building Summary

School District: Lesterville

Date: 1/29/2024

Person Completing Questionnaire: Jeremy Myers

Title: Superintendent

Building	Address	Original Construction	Outlet Count	Any Building Additions?			Where Does Water Enter the Building?	Who Provides Water to the Building?
				Yes/No	Year of	What Was Added?		
Main Building	33415 Highway 21 Lesterville, MO 63654	1968	19	No			Front of main entrance.	City Water
Library	33415 Highway 21 Lesterville, MO 63654		3	No			They are located by the front fence.	City Water
Old Gym	33415 Highway 21 Lesterville, MO 63654	1929	5	No			Front entrance of old gym	City Water
Concession Stand	33415 Highway 21 Lesterville, MO 63654	2020	1	No			South side of concession stand	City Water
Total Outlets			28					

APPENDIX C – Outlet Inventory

