



**Environmental
Works, Inc.**

**Doniphan R-I
Lead in Drinking Water
Sampling and Testing Plan**

Prepared For:

Doniphan R-I District
401 Walnut Street
Doniphan, MO 63935-1704

Prepared By:

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

Plan Prepared:

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Table of Contents

1.0 Purpose	1
1.1 Regulatory Schedule Requirements (RSMo 160.077(4))	1
2.0 Doniphan R-I Description and Contact Information	2
2.1 Doniphan R-I Information	2
2.2 Buildings	2
3.0 Inventory	3
3.1 Outlet Identification and Prioritization	3
4.0 Sampling and Testing	4
4.1 Initial Sampling and Testing	4
4.2 Subsequent Sampling and Testing	4
APPENDIX A – Building Diagrams	A
APPENDIX B – Building Summary	B
APPENDIX C – Outlet Inventory	C

1.0 Purpose

Environmental Works, Inc. (EWI), on behalf of the Doniphan R-I District, 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 Doniphan R-I District has distributed this LDWST Plan to the public through the District website (<https://www.doniphanr1.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 Doniphan R-I Description and Contact Information

2.1 Doniphan R-I Information

School District	Doniphan R-1 District
School Type:	Public
Address:	401 Walnut Street Doniphan, MO 63935-1704
Phone:	(573) 996-3667 (O) and (573) 996-5865 (F)
Email:	bhagood@doniphan1.k12.mo.us
Contact:	Mr. Brad Hagood Superintendent (573) 996-3667

2.2 Buildings

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

Schools	Level	Grade	Address
Doniphan Elementary PK-02	Elementary	Pre-K – 2nd	603 Summit Doniphan, MO 63935-1142
Doniphan Intermediate 3-5	Elementary	3rd – 5th	904 Elm Street Doniphan, MO 63935-1119
Doniphan Middle 6-8	Middle	6th – 8th	651 Summit Doniphan, MO 63935-1198
Current River Career Center	High School	9th – 12th	301 Spring St. Doniphan, MO 63935-1645
Doniphan High 9-12	High School	9th – 12th	5 Ball Park Road Doniphan, MO 63935-1199
Federal Programs	Elementary	1st	694 Summit Doniphan, MO 63935
Central Office	NA	NA	401 Walnut Doniphan, Mo 63935
Alternative Learning Center 1	Pre-K – 6th	Pre-K – 6th	1002 Elm Doniphan, Mo 63935
Alternative Learning Center 2	High School	9th – 12th	1004 Elm Doniphan, Mo 63935
Baseball Concession Stand	All	All	5 Ball Park Road Doniphan, MO 63935-1199
Softball Concession Stand	All	All	5 Ball Park Road Doniphan, MO 63935-1199
Football Field	All	All	5 Ball Park Road Doniphan, MO 63935-1199
Tech House	High School	9th – 12th	1002 Buford Ct Doniphan, MO 63935
Band Building	High School	9th – 12th	5 Ball Park Road Doniphan, MO 63935-1199
Bus Garage	NA	NA	800 Apricot Doniphan, MO 63935
Math Science/Maintenance	High School	9th – 12th	800 Apricot Doniphan, MO 63935

3.0 Inventory

Doniphan R-I 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 Doniphan R-I 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. EWI 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 Doniphan R-I website.

4.2 Subsequent Sampling and Testing

If initial testing finds lead above 5 parts per billion (ppb), Doniphan R-I 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, Doniphan R-I School District will complete testing and sampling every five years.