



**Environmental  
Works, Inc.**

**Holcomb R-III School District  
Lead in Drinking Water  
Sampling and Testing Plan**

**Prepared For:**

Holcomb R-III School District  
102 South Cherry Avenue  
Holcomb, Dunklin County, MO 63852

**Prepared By:**

Environmental Works, Inc.  
1455 E Chestnut Expressway  
Springfield, Greene County, Missouri 65802

**Plan Prepared:**

December 13, 2023

## Table of Contents

<b>1.0 Purpose</b> .....	<b>1</b>
1.1 Regulatory Schedule Requirements (RSMo 160.077(4)).....	1
1.2 Previous Sampling Activities.....	<b>Error! Bookmark not defined.</b>
<b>2.0 School District Description and Contact Information</b> .....	<b>2</b>
2.1 School District Information .....	2
2.2 Buildings .....	2
<b>3.0 Inventory</b> .....	<b>3</b>
3.1 Outlet Identification and Prioritization .....	3
<b>4.0 Sampling and Testing</b> .....	<b>4</b>
4.1 Initial Sampling and Testing.....	4
4.2 Subsequent Sampling and Testing .....	4
<b>APPENDIX A – Building Diagrams</b> .....	<b>Error! Bookmark not defined.</b>
<b>APPENDIX B – Building Summary</b> .....	<b>Error! Bookmark not defined.</b>
<b>APPENDIX C – Outlet Inventory</b> .....	<b>Error! Bookmark not defined.</b>

## 1.0 Purpose

Environmental Works, Inc. (EWI), on behalf of the Holcomb R-III School District (Holcomb), 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 Holcomb R-III School District has distributed this LDWST Plan to the public through their website ([www.holcomb.ss20.sharpschool.com](http://www.holcomb.ss20.sharpschool.com)). 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 District:** Holcomb R-III School District

**School Type:** Public

**Address:** 102 South Cherry Avenue  
Holcomb, Dunklin County, MO 63852

**Phone:** (573) 792-3113 (O) and (573) 792-3118 (F)

**Email:** [ehearing@holcomb.k12.mo.us](mailto:ehearing@holcomb.k12.mo.us)

**Contact:** Mr. Dustin Benson  
Superintendent  
(573) 792-3362 (O)

### 2.2 Buildings

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

Schools	Level	Grade	Address
Holcomb High School	Secondary	7th – 12th	102 South Cherry Avenue Holcomb, MO 63852
Holcomb Elementary School	Elementary	Pre-K – 6th	102 South Cherry Avenue Holcomb, MO 63852

### 3.0 Inventory

The Holcomb R-III 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 Holcomb R-III 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 the Holcomb R-III School District website.

### **4.2 Subsequent Sampling and Testing**

If initial testing finds lead above 5 ppb, the Holcomb R-III 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, Holcomb R-III School District will complete testing and sampling every five years.

## **APPENDIX B – BUILDING SUMMARY**

**School District:**

Holcomb R-III School District

**Date:** 11/3/2023

**Person Completing Questionnaire:**

J.L. Ward

**Title:** Custodian/Maintenance

Building	Address	Original Construction Date	Outlet Count	Any Building Additions?			Where Does Water Enter the Building?	Who Provides Water to the Building?
				Yes/No	Year of Addition	What Was Added?		
Holcomb Building B - High School	100 South Cherry Avenue, Holcomb, MO	1959	15	Yes	2008	Classrooms	Custodian Room	City of Holcomb
Holcomb Building A - Elementary School	100 South Cherry Avenue, Holcomb, MO	1974	18	Yes	2008	Classrooms and Restrooms	Custodian Room	City of Holcomb
<b>Total Outlets</b>			<b>53</b>					



## APPENDIX C – OUTLET INVENTORY

School District:

Holcomb R-III / Building B - High School

Date: 11/3/2023

Person Completing Questionnaire

J.L. Ward

Title: Custodian  
Maintenance

MAP ID	Outlet Type <i>(see examples below)</i>	Location <i>(hall, room #, etc.)</i>	Specific Location	Sample ID
				Format (Bldg-floor-Outlet-Type-SampleNumber)
B29	Faucet	Kitchen	Cafeteria Building	06-01-KIT-KF-P-029
B30	Faucet	Kitchen	Cafeteria Building	06-01-KIT-KF-P-030
B31	Faucet	Kitchen	Cafeteria Building	06-01-KIT-KF-P-031
B32	Faucet	Kitchen	Cafeteria Building	06-01-KIT-KF-P-032
B33	Ice Machine	Kitchen	Cafeteria Building	06-01-KIT-IM-P-033
B34	Dishwasher	Kitchen	Cafeteria Building	06-01-KIT-DISH-P-034
B35	Faucet	Kitchen	Cafeteria Building	06-01-KIT-KF-P-035
B36	Bottle Filler	Cafeteria	Cafeteria Building	06-01-CAF-BF-P-036
B37	Faucet	Concession Stand	High School Building	07-01-CS-KF-P-037
B38	Fountain	Hallway	High School Building	07-01-HW-DW-P-038
B39	Fountain	Gym	High School Building	07-01-GYM-DW-P-039
B40	Faucet	Hallway	High School Building	07-01-HW-CF-P-040
B41	Fountain	Hallway	High School Building	07-01-HW-DW-P-041
B42	Faucet	Classroom	High School Building	07-01-CR-CF-P-042
B43	Fountain	Hallway	High School Building	07-01-HW-DW-P-043
B44	Fountain	Hallway	High School Building	07-01-HW-DW-P-044
B45	Fountain	Hallway	High School Building	07-01-HW-DW-P-045
B46	Fountain	Hallway	High School Building	07-01-HW-DW-P-046
B47	Fountain	Hallway	High School Building	07-01-HW-DW-P-047
B48	Faucet	Classroom	High School Building	07-01-CR-CF-P-048
B49	Faucet	Classroom	High School Building	07-01-CR-CF-P-049
B50	Faucet	Classroom	High School Building	07-01-CR-CF-P-050
B51	Faucet	Classroom	High School Building	07-01-CR-CF-P-051

**School District:** Holcomb R-III / Building B - High School **Date:** 11/3/2023  
**Person Completing Questionnaire** J.L. Ward **Title:** Custodian Maintenance

MAP ID	Outlet Type <i>(see examples below)</i>	Location <i>(hall, room #, etc.)</i>	Specific Location	Sample ID
				Format (Bldg-floor-Outlet-Type-SampleNumber)
B52	Fountain	Classroom	Ag Building	08-01-CR-DW-P-052
B53	Fountain	FEMA	FEMA Building	09-01-GYM-DW-P-053
B54	Fountain	FEMA	FEMA Building	09-01-GYM-DW-P-054
<b>26 Total Building Outlets</b>				

**School District:**

Holcomb R-III / Building A - Elementary School

**Date:** 11/3/2023

**Person Completing Questionnaire** J.L. Ward

Custodian  
**Title:** Maintenance

MAP ID	Outlet Type <i>(see examples below)</i>	Location <i>(hall, room #, etc.)</i>	Specific Location	Sample ID
				Format (Bldg-floor-Outlet-Type-SampleNumber)
A1	Fountain	Hallway	Elementary Building D	01-01-HW-DW-P-001
A2	Fountain	Hallway	Elementary Building D	01-01-HW-DW-P-002
A3	Fountain	Classroom	Elementary Building D	01-01-CR-DW-P-003
A4	Faucet	Classroom	Elementary Building D	01-01-CR-CF-P-004
A5	Fountain	Hallway	Elementary Building D	01-01-HW-DW-P-005
A6	Fountain	Hallway	Elementary Building D	01-01-HW-DW-P-006
A7	Fountain	Hallway	Elementary Building D	01-01-HW-DW-P-007
A8	Faucet	Classroom	Elementary Building D	01-01-CR-CF-P-008
A9	Fountain	Classroom	Elementary Building D	01-01-CS-DW-P-009
A10	Faucet	Classroom	Elementary Building D	01-01-CS-CF-P-010
A11	Fountain	Gym	Elementary Building D	01-01-GYM-DW-P-011
A12	Fountain	Gym	Elementary Building D	01-01-GYM-DW-P-012
A13	Faucet	Classroom	Elementary Building D	01-01-CR-CF-P-013
A14	Fountain	Hallway	Elementary Building D	01-01-HW-DW-P-014
A15	Fountain	Hallway	Elementary Building D	01-01-HW-DW-P-015
A16	Fountain	Hallway	Elementary Building D	01-01-HW-DW-P-016
A17	Fountain	Nurse	Elementary Building D	01-01-CR-DW-P-017
A18	Faucet	Nurse	Elementary Building D	01-01-CR-CF-P-018
A19	Fountain	Hallway	Wisdom Building	02-01-HW-DW-P-019
A20	Faucet	Hallway	Wisdom Building	02-01-HW-CF-P-020
A21	Fountain	Classroom	Art Building E	03-01-CR-DW-P-021
A22	Fountain	Hallway	4th Grade Building F	04-01-HW-DW-P-022

**School District:** Holcomb R-III / Building A - Elementary School **Date:** 11/3/2023  
**Person Completing Questionnaire** J.L. Ward **Title:** Custodian Maintenance

MAP ID	Outlet Type <i>(see examples below)</i>	Location <i>(hall, room #, etc.)</i>	Specific Location	Sample ID
				Format (Bldg-floor-Outlet-Type-SampleNumber)
A23	Fountain	Hallway	4th Grade Building F	04-01-HW-DW-P-023
A24	Faucet	Classroom	4th Grade Building F	04-01-CR-CF-P-024
A25	Faucet	Classroom	4th Grade Building F	04-01-CR-CF-P-025
A26	Fountain	Hallway	4th Grade Building F	04-01-HW-DW-P-026
A27	Fountain	Hallway	4th Grade Building F	04-01-HW-DW-P-027
<b>27 Total Building Outlets</b>				