

October 3, 2023

Mr. Henry Ilges  
Jennings School District  
2559 Dorwood Drive  
Jennings, MO 64136

**RE: Drinking Water Sampling – Hanrahan Elementary School**  
8430 Lucas and Hunt Rd  
St. Louis, MO 63136  
**Project Number: 923235**

Mr. Ilges,

OCCU-TEC, Inc. (OCCU-TEC) is pleased to present the following report for drinking water sampling completed at Hanrahan Elementary School in Jennings, Missouri. The sampling was requested and approved by Mr. Henry Ilges of Jennings School District (JSD). OCCU-TEC completed drinking water sampling of all potential drinking water sources, sources used in food preparation, cleaning, and utensil cleaning. Drinking water sampling was completed in accordance with the requirements set forth in Missouri Senate Bill #681/662 known as the “Get the Lead Out of School Drinking Water Act”.

#### **METHODOLOGY**

On August 9, 2023, Mr. Jeff Smith and Mr. Nathaniel Jones of OCCU-TEC completed testing of twenty-nine (29) sources throughout Hanrahan Elementary School. Samples were collected as ‘First Draw’ samples after the fixtures had remained unused for a minimum period of 8 hours. Samples were collected in dedicated, laboratory-provided 250-milliliter plastic sample containers. Sample location information and photographic documentation are noted in the attached table.

Samples were shipped to Teklab, Inc. (Teklab) of Collinsville, Illinois for analysis using EPA method 200.8. Teklab is approved for sample analysis by the Missouri Department of Natural Resources (MDNR) under certification number 00930. A copy of the laboratory analytical results and Chain of Custody documentation are attached to this report.

## RESULTS

Samples results were compared to the regulatory limit of 5 parts per billion (ppb) outlined in Missouri Senate Bill 681/662. Of the samples collected, eleven (11) of the twenty-nine (29) contained lead concentrations at or above 5 ppb. Below is a list of samples containing elevated concentrations of lead.

Sample ID	Location	Type	Result (ug/L)
235-HRH-01	Art Room	Art Room Sink	50.3
235-HRH-06	1 <sup>st</sup> Floor North Girls' RR	Restroom Sink	5.8
235-HRH-11	Kitchen	Serving Station Faucet	70
235-HRH-12	Kitchen	Kitchen Dish Sprayer	77.2
235-HRH-15	Kitchen	Kitchen Fryer Filler	107
235-HRH-17	Kitchen	Hand Washing Sink	13.5
235-HRH-22	Gym Office	Office Sink	577
235-HRH-28	2 <sup>nd</sup> Floor South Boys' RR	Restroom Sink	15.9
235-HRH-29	2 <sup>nd</sup> Floor South Girls' RR	Restroom Sink	59.6
235-HRH-31	2 <sup>nd</sup> Floor South Girls' RR	Restroom Sink	45.1
235-HRH-32	2 <sup>nd</sup> Floor South Girls' RR	Restroom Sink	119

## LIMITATIONS

At the request of JSD, janitorial closet sinks were excluded from sampling. OCCU-TEC recommends placing signage on all sources not sampled during this assessment that indicate the source is not to be used for drinking water.

## RECOMMENDATIONS

The following recommendations are in accordance with Senate Bill 681/662.

In accordance with the requirements set forth in Missouri Bill 681/662, fixtures exhibiting lead concentrations above 5 ppb must be remediated by replacement of lead-containing pipes, solder, fittings or fixtures with lead-free components, or the school shall install filtration at each point where water enters the building until such time as the source can be remediated. If installing a filter is not feasible, the school shall provide purified water at each outlet inventoried.

Additionally, any water coolers or drinking water outlets identified by the United States Environmental Protection Agency (EPA) as not being lead-free under the federal Lead Contamination Control Act of 1988 shall be replaced unless the unit has been tested and determined to have lead results under 5 ppb.

Within two weeks after receiving test results, the school shall make all testing results and any lead remediation plans available on the school's website. The school

shall notify parents and staff via written notification within seven (7) business days after receiving test results exceeding 5 ppb. The notification shall include the following:

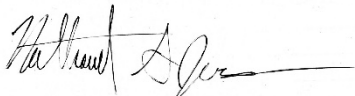
- Test results and a summary explaining the results.
- A description of any remedial steps taken.
- A description of the general health effects of lead contamination and community specific resources.
- Provide bottled water if there is not enough water to meet the drinking water needs of the students, teachers, and staff.

For fixtures exhibiting results above 5 ppb, follow up random “Flush” sampling shall be conducted annually on at least 25-percent of the remediated outlets until all outlets have been remediated. Drinking water sampling shall be conducted annually and annual drinking water test results shall be submitted by the district to the Department of Health and Senior Services (MDHSS).

**SIGNATURE(S)**

OCCU-TEC appreciates the opportunity to provide the above referenced consulting services to the JSD. If you have any questions regarding the contents of this report, please contact us at (816) 231-5580.

Respectfully,



Nathaniel Jones  
Environmental Technician



Jeff Smith  
Senior Project Manager (QA/QC)

**ATTACHMENTS**

Outlet Inventory with Analytical Results Summary  
Laboratory Analytical Results and COC Documentation

**ATTACHMENT 1**  
**OUTLET INVENTORY WITH ANALYTICAL RESULTS SUMMARY**

## **ATTACHMENT 2**

### **LABORATORY ANALYTICAL RESULTS AND COC DOCUMENTATION**