OCCU-TEC
Protecting People, Places and Performance

2604 NE Industrial Dr., Ste. 230
North Kansas City, MO 64117

October 3, 2023

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

RE: Drinking Water Sampling – Jennings Senior High School
8850 Cozens Avenue
Jennings, 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 Jennings Senior High 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 10, 2023, Mr. Jeff Smith and Mr. Nathaniel Jones of OCCU-TEC completed testing of one hundred fifteen (115) sources throughout Jennings Senior High 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, thirty-one (31) of the one hundred fifteen (115) 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-JHS-01	P-100 Pool Lobby	Standalone Drinking Fountain Bubbler	6.8
235-JHS-04	Pool Men's Locker	Locker Room Sink	208
235-JHS-05	Pool Men's Locker	Locker Room Sink	106
235-JHS-06	Pool Men's Restroom	Restroom Sink	26.1
235-JHS-07	Pool Women's Restroom	Restroom Sink	257
235-JHS-10	Auditorium Men's Restroom	Restroom Sink	21.6
235-JHS-12	Auditorium Women's Restroom	Restroom Sink	41.2
235-JHS-14	S218	Classroom Sink	5.7
235-JHS-15	S215	Science Closet Sink	221
235-JHS-16	S220	Science Classroom Sink	526
235-JHS-20	S200 Men's Restroom	Restroom Sink	32.7
235-JHS-27	S222 Science Lab	Lab Sink	23.5
235-JHS-28	E222 Lab Closet	Lab Sink	73.8
235-JHS-36	E137, FACS	FACS Station Sink	13.8
235-JHS-38	E137, FACS	FACS Station Sink	6.4
235-JHS-39	E137, FACS	FACS Station Sink	5.5
235-JHS-43	Gym, Upper Concession	Concession Sink	77.6
235-JHS-47	Gym Women's Locker	Locker Room Sink	13.3
235-JHS-53	EG4 Locker Room Office	Restroom Sink	5.3
235-JHS-61	Football Concession Girls' Restroom	Restroom Sink	8.7
235-JHS-82	Kitchen	Hand Washing Sink	16.2
235-JHS-83	Kitchen	Center Island Sink	23.1
235-JHS-84	Kitchen	Center Island Sink	8.2
235-JHS-87	Kitchen	Pot Filler	48
235-JHS-96	Cafeteria Service Area	Hand Washing Sink	207
235-JHS-102	Cafeteria Men's Restroom	Restroom Sink	7.6
235-JHS-108	A172 Women's Locker	Restroom Sink	30.2
235-JHS-114	A169 Men's Locker	Restroom Sink	8
235-JHS-120	A100 Art Room	Art Room Sink 1	8

235-JHS-123	A100 Art Room	Art Room Sink 4	86.8
235-JHS-139	Clinic Room 2	Clinic Office Sink	17.3

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:

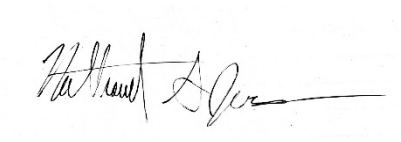
- Test results and a summary explaining the results.
- A description of any remedial steps taken.
- A description of the general health effects of lead contamination and community specific resources.
- Provide bottled water if there is not enough water to meet the drinking water needs of the students,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