

March 19, 2024

Mr. Patrick Roland
Potosi R-III School District
400 N. Mine Street
Potosi, Missouri 63664

RE: Drinking Water Sampling – John Evans Middle School
303 S Lead St, Potosi, MO 63664
Project Number: 923182

Mr. Roland

OCCU-TEC, Inc. (OCCU-TEC) is pleased to present the following report for drinking water sampling completed at John Evans Middle School in Potosi, Missouri. The sampling was requested and approved by Mr. Patrick Roland of Potosi R-III School District (PSD). 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 February 10, 2024, Mrs. Brittany Dickmeyer of OCCU-TEC completed testing of thirty-one (31) sources throughout Potosi 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 250 milliliter laboratory-provided 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, four (4) of the thirty-one (31) contained lead concentrations at or above 5 ppb. Below is a list of samples containing elevated concentrations of lead. Additionally, some sources were not functional at the time of sampling. Non-functional sources are included in the list below and should be sampled prior to returning to service.

Sample ID	Location	Type	Result (ug/L)
182-PMS-05	Concession Stand	Sink	9.9
182-PMS-06	Hallway	Drinking Fountain Bubbler	5.8
182-PMS-24	Kitchen	Kitchen Dish Sprayer	27.3
182-PMS-30	Football Concessions	Sink	9

LIMITATIONS

At the request of PSD, science classroom sinks, and janitorial closet sinks were excluded from sampling. In accordance with the requirements set forth in Missouri Bill 681/662, all sources not sampled during this assessment should be labeled to indicate that 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 PSD. If you have any questions regarding the contents of this report, please contact us at (816) 231-5580.

Respectfully,



Kevin Heriford
Director EH&S Dept.



Brittany Dickmeyer
Safety Specialist

ATTACHMENTS

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