

# **Water Quality Testing Plan**

## **Cole County R-V School District**

### **Objective:**

The objective of this water quality testing plan is to assess and monitor the drinking water quality within Cole County R-V School District, Missouri, to ensure the health and safety of students, staff, and faculty. The plan aims to identify and address any potential contaminants in the water supply, complying with state regulations and providing a transparent and proactive approach to water quality management.

### **Scope:**

This testing plan will cover all water sources within school facilities, including drinking fountains, kitchen taps, and other points of use for drinking water.

### **Testing Parameters:**

#### **Microbial Contamination:**

- Test for the presence of coliform bacteria, including E. coli, to ensure water is free from harmful microorganisms.

#### **Lead and Other Heavy Metals:**

- Conduct lead testing to identify any potential lead contamination in the water supply.
- Test for other heavy metals such as copper and zinc that may pose health risks.

#### **Chemical Contaminants:**

- Evaluate the water for common chemical contaminants, including chlorine, nitrates, nitrites, and any other relevant parameters based on local regulations.

### **Testing Frequency:**

#### **Initial Testing:**

- Conduct comprehensive testing of all water sources within the Cole County R-V School District at the beginning of the academic year.

#### **Regular Monitoring:**

- Implement a regular monitoring schedule, testing water quality at least once a year.

#### Response Testing:

- Perform immediate testing in response to any reports of unusual taste, odor, or color in the water, or if there are concerns about water quality.

#### Testing Process:

##### Sample Collection:

- Collect water samples from drinking fountains, kitchen taps, and other points of use for drinking water within the Cole County R-V School District.
- Follow proper sample collection procedures to avoid contamination.

##### Testing Laboratory:

- Utilize a certified water testing laboratory with experience in school water quality testing.
- Ensure the laboratory follows EPA-approved methods for analysis.

##### Data Analysis and Reporting:

- Analyze the test results and compare them against relevant water quality standards and regulations.
- Report any water quality issues that are not at appropriate levels and the steps being taken to correct the issue.

#### Communication and Action Plan:

##### Results Communication:

- Communicate the water quality test results promptly and transparently to all stakeholders, including parents, staff, and the local health department that are deemed unsafe.

##### Action Steps:

- The district will first make a determination if the facilities are fit for normal operation.
- Upon the determination of the district's operational ability, the parents and students of the district will be informed of the next steps that will be taken to address the water quality issue(s) that is/are needing to be addressed.

##### Education and Awareness:

- Implement an education and awareness program to inform the Cole County R-V School District community about water quality, the testing process, and the steps taken to address any concerns.

#### Record Keeping:

Maintain thorough records of all water quality test results, actions taken, and communication efforts for future reference and regulatory compliance.

#### Review and Update:

Regularly review and update the water testing plan to incorporate any changes in regulations, address emerging water quality concerns, and ensure the ongoing effectiveness of the program.

This plan is designed to proactively safeguard the health and well-being of the Cole County R-V School District community by ensuring access to safe and clean drinking water.