

Lonedell R-14 School District
Lead Water Testing Remediation Plan



After reviewing the lead test results for Lonedell Elementary School, the following analysis and remediation recommendations are made:

Analysis of Lead Test Results

The lead testing was conducted at various water sources throughout the school, including drinking fountains and sinks. The EPA's action level for lead in drinking water is 0.005 mg/L (5 parts per billion). Based on the results:

1. All but one source tested below the action level
2. One source (Popcorn Room) tested right at the action level (.005 mg/L or 5 ppb)
- Popcorn Room Sink: 0.005 mg/L (5 ppb)

Recommended Remediation

The following remediation steps were taken:

Action for Popcorn Room Sink

- Fixtures were replaced
- System was flushed
- Retesting scheduled
- Non-potable water sign hung in meantime

General Recommendations

- Conduct regular testing and monitoring (monthly water samples for organics/at least yearly for lead and copper)
- Educate staff and students about lead in drinking water
- Hang signs in all areas where water is not meant for drinking such as restrooms (Non-Potable)
- Implement a flushing program for all water outlets, especially after long periods of non-use

Long-term Strategies

- Identify and replace lead-containing plumbing materials**
 - * The district has no lead-containing plumbing materials

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Identify and replace galvanized plumbing

* The district has galvanized pipes from the well to the galvanized holding tank. Approximately 40 feet. Water is treated after the holding tank to ensure safety of the water. The galvanized pipe and tank will be placed on a replacement schedule.

Install and maintain certified filters on drinking water outlets

*Drinking fountains and ice machines have filters built in them and they are maintained by the district.

Testing After Changes to Water System

Conduct additional testing any time there are changes to the water system, such as:

1. Replacement of pipes or fixtures
2. Changes in water treatment
3. Construction that may affect the plumbing

Follow-up Testing

Continue periodic testing of all water sources to ensure ongoing safety as required by law

Compliance and Reporting

Record Keeping

Maintain detailed records of all test results, as required for at least 12 years.

Public Notification

Even when levels are below the action level, the school is required to inform the community about the testing results and any remediation efforts. Results will be posted on the website yearly.

State Reporting

Submit test results to the Missouri Department of Natural Resources as required by state regulations implementing the LCR and Get the Lead Out.

Action Level Exceedance

If any future sample exceeds the action level of 0.005 mg/L, the school will need to increase testing frequency and implement corrective actions.

Consistent Low Levels

If all samples consistently show very low or non-detectable lead levels over several years, Lonedell might petition for reduced monitoring frequency.

By adhering to these testing frequencies, Lonedell School District can ensure ongoing compliance with federal and state regulations while protecting the health of its students and staff.