



BEDFORD CENTRAL SCHOOL DISTRICT
FOX LANE CAMPUS
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LEAD WATER TESTING

For

Pound Ridge Elementary School
7 Pound Ridge Road
Pound Ridge, NY 10576

Date of Assessment: October 12, 2016

Date of Report: October 28, 2016

Completed By: Justin Joe, PhD, CSP
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EXECUTIVE SUMMARY

On October 12, 2016, lead water testing was completed for Pound Ridge Elementary School (PRES), one of the Bedford Central School District (BCSD) schools, located at 7 Pound Ridge Road, Pound Ridge, NY 10576. Primarily assisting in the completion of this study were Mr. Gregory Sullivan, Interim Assistant Superintendent; Mr. Shawn Pitulle, Interim Director of Buildings and Grounds; and the maintenance staff in PRES.

The purpose of this survey is to comply to 10 NYCRR SUBPART 67-4: Lead Testing in School Drinking Water. This subpart requires all school districts and boards of cooperative education services, including those already classified as a public water system under 10 NYCRR Subpart 5-1, to test portable water for lead contamination and to develop and implement a lead remediation plan when applicable. Action Level used in the Subpart means 15 micrograms per liter ($\mu\text{g/L}$) or parts per billion (ppb). Exceedance of the action level requires a response to implement a lead remediation plan.

First-draw water samples were collected from all available water outlets including faucets, sinks and water fountains in and around the building. These areas included classrooms, restrooms, hallways, the kitchen, custodial closets, the boiler room and the exterior. The sampled water was motionless in the pipes for a minimum of 8 hours, but not more than 18 hours before the sample collection according to the guideline from the Subpart. The first-draw samples were collected from a cold water outlet before any water was used. The samples were sent to Phoenix Environmental Laboratories, Inc., which is approved to perform lead analyses by the Department's Environmental Laboratory Approval Program (ELAP#: 11715).

Lab results indicate that:

- 15 out of 77 water outlets were above the action level.
- No water fountains and kitchen sinks were above the action level.
- The following water outlets are listed as being above the action level:
 1. Sink in Rm 5
 2. Sink in Rm 8 (Boiler Room)
 3. Sink in Rm 15
 4. Sink in Rm 16
 5. Sink in Rm 34
 6. Sink in Rm 40 (Second from the left)
 7. Sink in Rm 45 (Right)
 8. Sink in Rm 47
 9. Sink in Rm 48
 10. Sink in Rm 49
 11. Sink in Rm 50
 12. Sink in Rm 51
 13. Sink in Rm 52
 14. Sink in Rm 58
 15. Exterior outlet on Rte 172 side

RECOMMENDATIONS

The following is a recommendation from this survey.

- 2016-10-01 Install carbon filters to reduce the lead content from the water outlet fixtures tested above the action level, or the allowable limits.
- 2016-10-02 Check for plumbing work. If copper pipes are joined with lead solder that has been installed, notify a qualified plumber to replace the lead solder with lead-free solder. Lead solder looks dull gray and when scratched with a key, looks shiny.
- 2016-10-03 Check type of piping used to connect to water main. Determine whether or not the service line that connects the building to the water line is made of lead.

CONCLUSION

This survey revealed that most of the lead testing from water source fixtures indicated low or non-detectable exposures. However, 15 out of 77 samples were above the Action Level, 15 micrograms per liter ($\mu\text{g/L}$) or parts per billion (ppb), listed in the report. No water fountains or kitchen sinks were above the action level.

The recommendations in this report are intended to achieve the goal of a safer and more healthful environment. If the recommendations are completed, future health issues should be prevented.

If there are any questions regarding the contents of this report or further assistance is needed for recommendation completion, please feel free to contact Dr. Justin Joe, who can be reached via the following:

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A closing Thank You is extended to all who assisted or participated in completion of this Survey.

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APPENDIX A

LEAD WATER TESTING LAB RESULTS