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LEAD IN DRINKING WATER REPORT

Performed At:

Somerset County Vocational and Technical High School
14 Vogt Drive
Bridgewater, NJ 08807

Performed For:

Somerset County Vocational and Technical High School
Michael Kuschyk
14 Vogt Drive
Bridgewater, NJ 08807

Prepared By:

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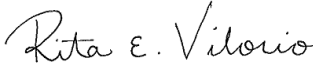
Inspection Date: 9/6/2017
Project Number: 170898

Contact Information

Agency

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Firm

Organization:	LEW Corporation
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Laboratory

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NJDEP Certification #	VA008
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Introduction

LEW Corporation was contracted by Somerset County Vocational and Technical High School to test for the presence of lead in drinking water in one school in the district.

Sampling Methodology

LEW Corporation followed the July 13, 2016 amendments to NJAC 6A:26. Full details on sampling practices can be found in Districts Sampling Plan.

All samples were collected in 250mL wide mouth plastic containers that was prepackaged by the analytical laboratory. The sample containers may contain nitric acid, if expedited analysis is required. If not, nitric acid will be added to each sample upon arrival at the laboratory. At each sample location, the first draw sample was taken after it was determined that the water had been standing in the plumbing system for greater than eight hours but less than forty-eight hours. If second draw samples were collected, they were collecting following a flushing protocol outlined in the District's Sampling Plan.

Drinking Water Results

On September 6, 2017, LEW Corporation collected the following number of water samples:

Somerset County Vocational and Technical High School

- 3 second draw samples collected + 1 quality control sample collected
- 0 samples above the 15ppb action level

The complete list of samples that exceeded the 15ppb limit can be found in Appendix A. The complete list of all sample results can be found in Appendix C. The laboratory results can be found in Appendix E.

Certain outlets could not or were not tested due to various reasons. The following table lists those locations and the reason why samples were not collected.

School	Sample Location	Reason for not testing.
		None

Recommendations

For those outlets where the first draw sample exceeds 15ppb and the second draw sample does not exceed 15ppb, the outlet is contributing lead to the drinking water and very little lead is being picked up upstream of the outlet in the building plumbing. LEW Corporation recommends immediately stopping use of these outlets. LEW Corporation then recommends replacing the outlet and associated plumbing up to the wall connection.

For those outlets where the first draw sample exceeds 15ppb and the second draw sample exceeds 15ppb or more, the outlet and the building plumbing are contributing lead to the drinking water. LEW Corporation recommends immediately stopping use of these outlets. LEW Corporation then recommends replacing the outlet and associated plumbing up to the wall connection, and installing a lead filter at the wall connection. A filter maintenance plan will need to be implemented, in order to ensure that all filters are in proper working order.

A complete list of recommendations per outlet can be found in Appendix B.

Additional Recommendations

- 1) Follow-up samples should be collected after any remediation efforts in order to determine the efficacy of the work.
- 2) Any of the inoperable/non-functioning outlets listed above that are brought back into service should be sample.
- 3) Comply with all requirements set forth in NJAC 6A:26.

Appendix A Exceedances

Building	Date Collected	Analysis Date	Sample ID	Sample Description	Concentration (ug/L) Or ppb
2 nd Draw Samples					
Somerset County Vocational and Technical High School					
NONE					