

Introduction

LEW Environmental Services, LLC. was contracted by Princeton Public Schools to test for the presence of lead in drinking water in four facilities in the district.

Sampling Methodology

LEW Environmental Services, LLC. followed 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 May 3, 2025, LEW Environmental Services, LLC. returned to collect the following number of clearance samples:

Littlebrook Elementary School

- 2 first draw samples collected plus 1 QAQC blank sample
- 1 sample above the 15ppb action level

Riverside Elementary School

- 2 first draw samples collected plus 1 QAQC blank sample
- 0 sample above the 15ppb action level

Community Park School

- 1 first draw samples collected plus 1 QAQC blank sample
- 0 sample above the 15ppb action level

Johnson Park School

- 2 first draw samples collected plus 1 QAQC blank sample
- 0 sample 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 F.

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 Environmental Services, LLC. recommends immediately stopping use of these outlets. LEW Environmental Services, LLC. 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 Environmental Services, LLC. recommends immediately stopping use of these outlets. LEW Environmental Services, LLC. 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 sampled.
- 3) Comply with all requirements set forth in NJAC 6A:26.

Appendix A Exceedances

Building	DateCollected	AnalysisDate	Sample ID	Sample Description	Concentration (ppb)
Littlebrook Elementary	5/3/2025	5/14/2025	2	LES-B-17	15.6

Appendix B Recommendations

Building	Location	Remediation Recommendation
Littlebrook Elementary	LES-B-17	Discontinue use and perform second draw sampling

Appendix C All Results

Building	DateCollected	AnalysisDate	Sample ID	Sample Description	Concentration (ppb)
Community Park	5/3/2025	5/13/2025	1	CP-B-18	<1.00
Community Park	5/3/2025	5/13/2025	2	CP-SUNROOM	<1.00

Building	DateCollected	AnalysisDate	Sample ID	Sample Description	Concentration (ppb)
Johnson Park	5/3/2025	5/13/2025	1	JES-B-14	3.82
Johnson Park	5/3/2025	5/13/2025	2	JES-B-15	<1.00
Johnson Park	5/3/2025	5/13/2025	3	JES-SUNROOM	<1.00

Building	DateCollected	AnalysisDate	Sample ID	Sample Description	Concentration (ppb)
Littlebrook Elementary	5/3/2025	5/13/2025	1	LES-B-14	8.71
Littlebrook Elementary	5/3/2025	5/14/2025	2	LES-B-17	15.6
Littlebrook Elementary	5/3/2025	5/13/2025	3	LES-SUNROOM	<1.00

Building	DateCollected	AnalysisDate	Sample ID	Sample Description	Concentration (ppb)
Riverside Elementary	5/3/2025	5/13/2025	1	RES-B-24	3.52
Riverside Elementary	5/3/2025	5/13/2025	2	RES-S-24	1.04
Riverside Elementary	5/3/2025	5/13/2025	3	RES-SUNROOM	<1.00