

**SUMMARY REPORT REGARDING  
LEAD SAMPLING OF DRINKING WATER**

Prepared For:

Rutherford Schools District  
176 Park Avenue  
Rutherford, New Jersey 07070

Report Presented To:

Mr. Anthony Paterno  
Supervisor of Buildings and Grounds  
Rutherford Schools District  
176 Park Avenue  
Rutherford, New Jersey 07070

Report Prepared By:

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Glen Rock, New Jersey 07452

Date of Report:

July 11, 2016

## **I. INTRODUCTION**

The subject of this report is a lead in drinking water assessment conducted by Garden State Environmental, Inc. (GSE). On May 11 and May 13, 2016 Lauren Adrion with GSE, collected water samples from multiple locations throughout six (6) schools of the Rutherford School District. The sample locations were selected by the District in the interest of sampling the most commonly used water fountains and sinks. The purpose of this assessment was to determine if the schools have lead contamination in their drinking water.

## **II. METHODS**

Sampling was designed to be a limited survey. Not all water taps in the schools were sampled. The District conducted its own plumbing survey and selected the specific taps to be tested. Most water fountains and nurses' sinks were sampled throughout the schools. No cafeteria sinks were sampled because the schools have all food delivered by an outside contractor.

As part of this project, we reviewed the District's public water supplier (United Water NJ). Our review of this report found that there have not been any exceedances of New Jersey Department of Environmental Protection (NJDEP) safe drinking water standards for lead in water supplied to the District within the last five years.

Sampling procedures were based on the Environmental Protection Agency's (EPA) *3Ts for Reducing Lead in Drinking Water in Schools and Child Care Facilities: Training, Testing, and Telling*. Between eight (8) to eighteen (18) hours prior to GSE's sampling each tap was flushed by the District custodial staff for at least 30 minutes. After flushing, each tap was tagged by the Custodian using a plastic bag over the faucet and a sticker that stated "Do Not Use."

Laboratory analysis was provided by:

Precision Analytical Services, Inc. (PAS)  
2161 Whitesville road  
Toms River, New Jersey 08755  
NJ Department of Environmental Protection Certification #15001

**V. SUMMARY OF RESULTS:**

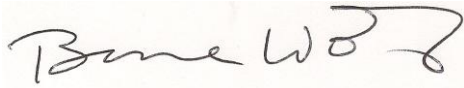
Thirty-six (36) of the fifty-seven (57) (63%) first draw samples collected from the school taps resulted in no lead detected. The remaining first draw samples had low but detectable concentrations of lead ranging from 0.467 to 8.49 PPB. The highest two (2) samples (both above 5 PPB) had their respective second draw samples also analyzed. The second draw samples (sample numbers 5-11-LA-07B and 5-11-LA-09B) found low levels of lead ranging from 0.787 to 7.95 PPB respectively. These concentrations were below the acceptable criteria.

**VI. CONCLUSIONS AND RECOMMENDATIONS:**

Based on careful review of the results of our limited assessment, there does not appear to be a lead contamination problem in the drinking water from the taps that were sampled by GSE. While very low levels of lead were identified in approximately 37% of the taps tested, results were well below applicable criteria. It is important to note that not all taps in this school were sampled (only taps that are regularly used for drinking water were sampled).

We recommend sampling of any remaining drinking water taps in older sections of the school building that have not been sampled, to confirm that there is no elevation of lead concentration in the water throughout the entire school. In addition, we also recommend that a representative number of taps be re-sampled in one year, to confirm our original findings.

Please note, a copy of the complete lead in drinking water report issued by GSE to the District is available in the Buildings and Grounds Office.



Bruce D. Wolf, MPA, HO  
Sr. Environmental Consultant  
Sr. Vice President

BDW/bw