



1805 Atlantic Avenue  
Manasquan, New Jersey 08736  
Tel: (732) 223-2225  
Fax: (732) 223-3666  
www.brinkenv.com

June 17, 2016

Mr. Ronald Wybraniec  
Operations Manager  
Office of Education  
New Jersey Department of Children and Families  
PO Box 710  
Trenton, NJ 08625

**Re: Lead in Drinking Water Screening  
Mercer Campus  
1600 Stuyvesant Avenue  
Trenton, New Jersey 08618  
Brinkerhoff Project No. 14BR141P**

Dear Mr. Wybraniec:

Brinkerhoff Environmental Services, Inc. (Brinkerhoff) was retained to perform a lead in drinking water screening at the New Jersey Department of Children and Families (DCF) Regional School's Mercer Campus located at 1600 Stuyvesant Avenue, Trenton, New Jersey 08618. The screening was performed on June 4, 2016. The purpose of the screening was to determine if lead may be present in potable water sources at the subject building and, if applicable, to retest at locations where elevated lead levels were identified during Brinkerhoff's initial lead in drinking water screening conducted on April 9, 2016.

#### **METHODOLOGY**

Samples of potable water were collected from representative locations. During our initial screening, sample locations were selected by Brinkerhoff based on location in the building relative to the water supply source, and were skewed toward sources where consumption is likely (i.e. kitchen, faculty room, water fountains). During Brinkerhoff's June 4, 2016 screening samples were obtained from all accessible faucets not tested during our initial screening and from locations where elevated lead levels were identified during our initial screening. Samples were collected in 250 mL bottles. Two samples were collected at each location. The first sample is a first-draw sample collected from the tap after a minimum six (6) hour resting period. The second is a flush sample collected after running water for 30 seconds.

Samples were delivered under strict chain of custody to IATL International, Inc., 9000 Commerce Parkway Suite B, Mt. Laurel, New Jersey 08054 for analysis by the United States Department of Environmental Protection (DEP) Method 3113B (Standard Methods for the

Examination of Water and Wastewater, 22<sup>nd</sup> Edition). Precision is a New Jersey Department of Environmental Protection (NJDEP) Certified Drinking Water Laboratory. IATL maintains NJDEP certification #03863.

**RETEST RESULT COMPARISON**

TABLE 1 COMPARISON OF 4/9/16 RESULTS ABOVE MCL WITH 6/4/16 RETEST RESULTS					
Sample ID	Sample ID Location	4/9/16 Results (ppb)	Sample ID	6/4/16 Retest Results ppb	MCL (15 ppb)
MR-07A	Room 104 Sink <b>FD</b>	191	MR-18A	5.8	15
MR-07B	Room 104 Sink FL	3.74	MR-18B	<2.0	15

MCL – Maximum Contaminant Level; ND – None Detected  
 FD – First Draw; FL – Flush  
**Bold** – indicates lead concentration above the MCL

**JUNE 4, 2016 RESULTS**

TABLE 2 SUMMARY OF LABORATORY ANALYSIS RESULTS – NEW LOCATIONS			
Sample ID	Sample ID Location	Results (ppb)	MCL (15 ppb)
MR-10A	Lobby Bathroom FD	<2.0	15
MR-10B	Lobby Bathroom FL	<2.0	15
MR-11A	Kitchen FD	<2.0	15
MR-11B	Kitchen FL	<2.0	15
MR-12A	Break Room Bathroom (Left Side) FD	2.3	15
MR-12B	Break Room Bathroom (Left Side) FL	<2.0	15
MR-13A	Break Room Bathroom (Right Side) FD	13	15
MR-13B	Break Room Bathroom (Right Side) FL	<2.0	15
MR-14A	Room 108 FD	4.8	15
MR-14B	Room 108 FL	<2.0	15
MR-15A	Room 105 FD	2.7	15
MR-15B	Room 105 FL	<2.0	15

MCL – Maximum Contaminant Level; ND – None Detected  
 FD – First Draw; FL – Flush  
**Bold Result** – Indicates lead concentration above the MCL

<b>TABLE 2 (CONTINUED)</b>			
<b>SUMMARY OF LABORATORY ANALYSIS RESULTS – NEW LOCATIONS</b>			
<b>Sample ID</b>	<b>Sample ID Location</b>	<b>Results (ppb)</b>	<b>MCL (15 ppb)</b>
MR-16A	Room 109 FD	<2.0	15
MR-16B	Room 109 FL	<2.0	15
MR-17A	Room 110 FD	<2.0	15
MR-17B	Room 110 FL	<2.0	15
MR-18A	Room 104 Girl's Room FD	5.8	15
MR-18B	Room 104 Girl's Room FL	<2.0	15
MR-19A	Room 104 Kitchen FD	<2.0	15
MR-19B	Room 104 Kitchen FL	<2.0	15
MR-20A	Room 104 Boy's Room FD	5.1	15
MR-20B	Room 104 Boy's Room FL	<2.0	15
MR-21A	Room 103 Kitchen FD	6.1	15
MR-21B	Room 103 Kitchen FL	<2.0	15
MR-22A	Room 103 Girl's Room FD	14	15
MR-22B	Room 103 Girl's Room FL	<2.0	15
MR-23A	Room 101 Bathroom Left FD	2.7	15
MR-23B	Room 101 Bathroom Left FL	<2.0	15
MR-24A	Room 101 Kitchen FD	4.6	15
MR-24B	Room 101 Kitchen FL	<2.0	15
MR-25A	Room 102 Kitchen FD	3.3	15
MR-25B	Room 102 Kitchen FL	<2.0	15
<b>MR-26A</b>	<b>Room 102 Bathroom FD</b>	<b>26</b>	15
MR-26B	Room 102 Bathroom FL	<2.0	15
MR-27	Field Blank	<2.0	15

MCL – Maximum Contaminant Level; ND – None Detected  
 FD – First Draw; FL – Flush  
**Bold Result** – Indicates lead concentration above the MCL

Certificates of laboratory analysis are presented in Appendix I. A sample location drawing is presented in Appendix II.

**LIMITATIONS**

The locations of samples collected are determined using our best professional judgement. The findings in this report are reflective of the conditions at the time of the Brinkerhoff inspections. The findings and recommendations are valid as of the date of the report. The conclusions and recommendations are limited based on the site conditions at the time of our inspection and the enclosed analytical results.

New Jersey Department of Children & Families  
Re: Lead in Drinking Water Screening  
Brinkerhoff Project No. 14BR141P  
June 17, 2016  
Page 4 of 4

Brinkerhoff appreciates the opportunity to provide you this service. Should you have questions or require additional information, please do not hesitate to contact the undersigned at 732-223-2225.

This report was prepared and is respectfully submitted by

**BRINKERHOFF ENVIRONMENTAL SERVICES, INC.**



Gary W. Fleming  
Senior Manager, Hazardous Materials Division

June 17, 2016

Date