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June 9, 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  
Passaic Campus  
160 Minnisink Road  
Totowa, New Jersey 07512  
Brinkerhoff Project No. 14BR141S**

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 Passaic Campus located at 160 Minnisink Road, Totowa, New Jersey 07512. The screening was performed on May 21, 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 16, 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 May 21, 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

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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**

<b>TABLE 1 COMPARISON OF 4/16/16 RESULTS ABOVE MCL WITH 5/21/16 RETEST RESULTS</b>					
<b>Sample ID</b>	<b>Sample ID Location</b>	<b>4/16/16 Results (ppb)</b>	<b>Sample ID</b>	<b>5/21/16 Retest Results ppb</b>	<b>MCL (15 ppb)</b>
PA-06A	Room 121 Sink FD	<b>125</b>	PA-25A	11	15
PA-06B	Room 121 Sink FL	<b>61.2</b>	PA-25B	2.3	15

MCL – Maximum Contaminant Level; ND – None Detected  
 FD – First Draw; FL – Flush

**Bold** – indicates lead concentration above the MCL

**MAY 21, 2016 RESULTS**

<b>TABLE 2 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>
PA-09A	Kitchen Sink Left Side FD	3.4	15
PA-09B	Kitchen Sink Left Side FL	2.6	15
PA-10A	Lobby Bathroom Sink FD	<2.0	15
PA-10B	Lobby Bathroom Sink FL	<2.0	15
PA-11A	Staff Bathroom Sink #1 FD	<2.0	15
PA-11B	Staff Bathroom Sink #1 FL	<2.0	15
PA-12A	Janitor’s Closet Sink FD	<2.0	15
PA-12B	Janitor’s Closet Sink FL	<2.0	15
PA-13A	Room 108 – 1 <sup>st</sup> Bathroom Sink FD	<2.0	15
PA-13B	Room 108 – 1 <sup>st</sup> Bathroom Sink FL	<2.0	15
PA-14A	Room 108 - 2nd Bathroom Sink FD	<2.0	15
PA-14B	Room 108 - 2nd Bathroom Sink FL	<2.0	15
PA-15A	Room 107 – 1 <sup>st</sup> Bathroom Sink FD	2.7	15
PA-15B	Room 107 – 1 <sup>st</sup> Bathroom Sink FL	<2.0	15

MCL – Maximum Contaminant Level; ND – None Detected  
 FD – First Draw; FL – Flush

**Bold Result** – Indicates lead concentration above the MCL

**TABLE 2 (CONTINUED)**  
**SUMMARY OF LABORATORY ANALYSIS RESULTS – NEW LOCATIONS**

<b>Sample ID</b>	<b>Sample ID Location</b>	<b>Results (ppb)</b>	<b>MCL (15 ppb)</b>
PA-16A	Room 107 – 2 <sup>nd</sup> Bathroom Sink FD	<2.0	15
PA-16B	Room 107 – 2 <sup>nd</sup> Bathroom Sink FL	<2.0	15
PA-17A	Room 108 – Center Sink FD	4.7	15
PA-17B	Room 108 – Center Sink FL	<2.0	15
PA-18A	Room 107 – Center Sink FD	8.4	15
PA-18B	Room 107 – Center Sink FL	<2.0	15
PA-19A	Room 113 – 1 <sup>st</sup> Bathroom Sink FD	3.6	15
PA-19B	Room 113 – 1 <sup>st</sup> Bathroom Sink FL	<2.0	15
PA-20A	Room 113 – 2 <sup>st</sup> Bathroom Sink FD	<b>64</b>	15
PA-20B	Room 113 – 2 <sup>st</sup> Bathroom Sink FL	2.4	15
PA-21A	Room 114 – 1 <sup>st</sup> Bathroom Sink FD	3.7	15
PA-21B	Room 114 – 1 <sup>st</sup> Bathroom Sink FL	<2.0	15
PA-22A	Room 118 Sink FD	11	15
PA-22B	Room 118 Sink FL	3.7	15
PA-23A	Room 119 Sink FD	9.6	15
PA-23B	Room 119 Sink FL	2.2	15
PA-24A	Room 120 Sink FD	6.2	15
PA-24B	Room 120 Sink FL	<2.0	15
PA-25A	Room 121 Sink FD	11	15
PA-25B	Room 121 Sink FL	2.3	15
PA-26A	Men’s Bathroom Sink #1 FD	<2.0	15
PA-26B	Men’s Bathroom Sink #1 FL	<2.0	15
PA-27A	Women’s Bathroom Sink #1 FD	6.6	15
PA-27B	Women’s Bathroom Sink #1 FL	<2.0	15
PA-28A	Women’s Bathroom Sink #2 FD	4.1	15
PA-28B	Women’s Bathroom Sink #2 FL	<2.0	15
PA-29A	Men’s Bathroom Sink #2 FD	<2.0	15
PA-29B	Men’s Bathroom Sink #2 FL	<2.0	15
PA-30A	Men’s Bathroom Sink #3 FD	2.6	15
PA-30B	Men’s Bathroom Sink #3 FL	<2.0	15
PA-31A	Men’s Bathroom Sink #4 FD	8.1	15
PA-31B	Men’s Bathroom Sink #4 FL	<2.0	15
PA-32A	Staff Bathroom Sink #2	<2.0	15
PA-32B	Staff Bathroom Sink #2	<2.0	15
PA-33	Field Blank	<2.0	15

MCL – Maximum Contaminant Level; ND – None Detected  
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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.

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.**



June 9, 2016

Gary W. Fleming  
Senior Manager, Hazardous Materials Division

Date