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June 27, 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
Union Campus
1524 Terrill Road
Scotch Plains, New Jersey 07076
Brinkerhoff Project No. 14BR141T**

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 Union Campus located at 1524 Terrill Road, Scotch Plains, New Jersey 07076. The screening was performed on June 11, 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 June 11, 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

New Jersey Department of Children & Families
 Re: Lead in Drinking Water Screening
 Brinkerhoff Project No. 14BR141T
 June 27, 2016
 Page 2 of 4

Examination of Water and Wastewater, 22nd 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 4/16/16 RESULTS ABOVE MCL WITH 6/11/16 RETEST RESULTS					
Sample ID	Sample ID Location	4/16/16 Results (ppb)	Sample ID	6/11/16 Retest Results ppb	MCL (15 ppb)
UC-07A	Room 107 Sink FD	240	UC-29A	<2.0	15
UC-07B	Room 107 Sink FL	8.47	UC-29B	<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)
UC-10A	Lobby Bathroom Sink FD	11	15
UC-10B	Lobby Bathroom Sink FL	<2.0	15
UC-11A	Kitchen DW Sink FD	3.7	15
UC-11B	Kitchen DW Sink FL	<2.0	15
UC-12A	Faculty Sink 1 FD	4.3	15
UC-12B	Faculty Sink 1 FL	5.3	15
UC-13A	Faculty Sink 2 FD	15	15
UC-13B	Faculty Sink 2 FL	9.1	15
UC-14A	Room 103 Bathroom 1 FD	2300	15
UC-14B	Room 103 Bathroom 1 FL	17	15
UC-15A	Room 103 Bathroom 2 FD	3600	15
UC-15B	Room 103 Bathroom 2 FL	31	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			
Sample ID	Sample ID Location	Results (ppb)	MCL (15 ppb)
UC-16A	Room 104 Bathroom 1 FD	1400	15
UC-16B	Room 104 Bathroom 1 FL	30	15
UC-17A	Room 101 Sink FD	19	15
UC-17B	Room 101 Sink FL	3.8	15
UC-18A	Room 101 Bathroom 1 Sink FD	1300	15
UC-18B	Room 101 Bathroom 1 Sink FL	6.2	15
UC-19A	Room 102 Sink 1 FD	65	15
UC-19B	Room 102 Sink 1 FL	2.8	15
UC-20A	Women's Bathroom 1 Sink FD	59	15
UC-20B	Women's Bathroom 1 Sink FL	17	15
UC-21A	Women's Bathroom 2 Sink FD	74	15
UC-21B	Women's Bathroom 2 Sink FL	<2.0	15
UC-22A	Women's Bathroom 3 Sink FD	140	15
UC-22B	Women's Bathroom 3 Sink FL	2.3	15
UC-23A	Men's Bathroom Sink 1 FD	110	15
UC-23B	Men's Bathroom Sink 1 FL	4.7	15
UC-24A	Men's Bathroom Sink 2 FD	120	15
UC-24B	Men's Bathroom Sink 2 FL	<2.0	15
UC-25A	Men's Bathroom Sink 3 FD	12	15
UC-25B	Men's Bathroom Sink 3 FL	2.8	15
UC-26A	Men's Bathroom Sink 4 FD	66	15
UC-26B	Men's Bathroom Sink 4 FL	2.0	15
UC-27A	Room 108 Sink FD	10	15
UC-27B	Room 108 Sink FL	6.5	15
UC-28A	Room 110 Sink FD	11	15
UC-28B	Room 110 Sink FL	<2.0	15
UC-29A	Room 107 Sink FD	<2.0	15
UC-29B	Room 107 Sink FL	<2.0	15
UC-30A	Room 106 Sink FD	11	15
UC-30B	Room 106 Sink FL	3.0	15
UC-31	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.

New Jersey Department of Children & Families
Re: Lead in Drinking Water Screening
Brinkerhoff Project No. 14BR141T
June 27, 2016
Page 4 of 4

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 27, 2016

Gary W. Fleming
Senior Manager, Hazardous Materials Division

Date