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April 28, 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
Essex Campus
395-97 No. 5th Street
Newark, New Jersey 07107
Brinkerhoff Project No. 14BR141C**

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 Essex Campus located at 395-97 No. 5th Street, Newark, New Jersey 07107 (subject property). The screening was performed on April 16, 2016. The purpose of the screening was to determine if lead may be present in potable water sources at the subject building.

METHODOLOGY

Samples of potable water were collected from representative locations. 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). 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 Precision Analytical Services, Inc. (Precision) at 2161 Whitesville Road, Toms River, New Jersey 08755 for analysis by the United States Department of Environmental Protection (DEP) Method 3113B (Standard Methods for the Examination of Water and Wastewater, 22nd Edition). Precision is a New Jersey Department of Environmental Protection (NJDEP) Certified Drinking Water Laboratory. Precision maintains NJDEP certification #15001.

RESULTS

TABLE 1 SUMMARY OF LABORATORY ANALYSIS RESULTS			
Sample ID	Sample ID Location	Results (µg/L)	MCL (15 µg/L)
NE-01A	Kitchen Sink FD	38.7	15
NE-01B	Kitchen Sink FL	1.92	15
NE-02A	Faculty Room FD	0.953	15
NE-02B	Faculty Room FL	None Detected	15
NE-03A	Water Fountain FD	51.4	15
NE-03B	Water Fountain FL	0.768	15
NE-04A	Office Kitchenette FD	3.95	15
NE-04B	Office Kitchenette FL	1.60	15
NE-05A	Nurse's Office Sink FD	557	15
NE-05B	Nurse's Office Sink FL	32.1	15
NE-06A	Room 8 Sink FD	140	15
NE-06B	Room 8 Sink FL	29.8	15
NE-07A	Room 7 Sink FD	12.5	15
NE-07B	Room 7 Sink FL	3.21	15
NE-08A	Gym Fountain FD	24.8	15
NE-08B	Gym Fountain FL	2.52	15
NE-09A	Voc. Apartment FD	24.8	15
NE-09B	Voc. Apartment FL	2.66	15
NE-10A	Room 2 Sink FD	4.14	15
NE-10B	Room 2 Sink FL	2.48	15
NE-11	Field Blank	None Detected	15

MCL – Maximum Contaminant Level

FD – First Draw; **FL** – Flush

- Lead was detected in concentrations above the MCL in 8 of the 20 samples.
- Lead was detected in concentrations below the MCL in 11 of the 20 samples.
- Lead was not detected in 1 of the 20 samples and the field blank.

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

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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.



Chris Glowacki, CIEC
Industrial Hygienist

April 28, 2016
Date



Gary W. Fleming
Senior Manager, Hazardous Materials Division

April 28, 2016
Date