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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 Warren Campus 540 Route 57 East Port Murray, New Jersey 07865

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 Warren Campus located at 540 Route 57 East, Port Murray, New Jersey 07865 (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 08755for 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. Precision maintains NJDEP certification #15001.

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## RESULTS

TABLE 1 SUMMARY OF LABORATORY ANALYSIS RESULTS			
Sample ID	Sample ID Location	Results (µg/L)	MCL (15 μg/L)
WC-01A	Kitchen Sink FD	0.752	15
WC-01B	Kitchen Sink FL	0.581	15
WC-02A	Faculty Sink FD	0.752	15
WC-02B	Faculty Sink FL	0.581	15
WC-03A	Staff Bathroom Sink FD	4.17	15
WC-03B	Staff Bathroom Sink FL	0.581	15
WC-04A	Room 107/Nursery Room Sink FD	2.12	15
WC-04B	Room 107/Nursery Room Sink FL	1.61	15
WC-05A	Room 108 Sink FD	1.86	15
WC-05B	Room 108 Sink FL	1.35	15
WC-06A	Room 112 Sink FD	7.50	15
WC-06B	Room 112 Sink FL	3.57	15
WC-07A	Room 115 Sink FD	39.2	15
WC-07B	Room 115 Sink FL	6.65	15
WC-08A	Trailer Sink FL	1.69	15
WC-08B	Trailer Sink FD	0.667	15
MC-09	Field Blank	None Detected	15

MCL – Maximum Contaminant Level

**FD** – First Draw; **FL** – Flush

- Lead was detected at concentrations above the MCL in 1 of the 16 samples.
- Lead was detected at concentrations below the MCL in 15 of the 16 samples.
- Lead was not detected in 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 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

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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.

mattlew R. mantley

April 28, 2016

Matthew R. Manthey Environmental Scientist Date

Gary W. Fleming

April 28, 2016

Senior Manager, Hazardous Materials Division

Date

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