

Monmouth Re-test 5/31/16

Wednesday, June 01, 2016
10:11 AM

BRINKERHOFF 
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May 31, 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
Monmouth Campus
1076 Wayside Road
Ocean, New Jersey 07712
Brinkerhoff Project No. 14BR141Q**

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 Monmouth Campus located at 1076 Wayside Road, Ocean New Jersey 07712 (subject property). 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 8, 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

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.

APRIL 8, 2016 RESULTS

TABLE 1 SUMMARY OF LABORATORY ANALYSIS RESULTS ABOVE MCL – 4/28/2016					
Sample ID	Sample ID Location	Previous Results (ppb)	Sample ID	Retest Results ppb	MCL (15 ppb)
MN-01A	Main Office - Bathroom 101	58.4	MN-10A	100	15
MN-01B	Main Office - Bathroom 101	.865	MN-10B	< 2.0	15

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

Bold – indicates lead concentration above the MCL

MAY 21, 2016 RESULTS

TABLE 2 SUMMARY OF LABORATORY ANALYSIS RESULTS – NEW LOCATIONS				
Sample ID	Sample ID Location	Previous Results (µg/L)	Retest Results (µg/L)	MCL (15 µg/L)
MN-11A	Lobby	< 2.0	N/A	15
MN-11B	Lobby	< 2.0	N/A	15
MN-12A	107 Sink	< 2.0	N/A	15
MN-12B	107 Sink	< 2.0	N/A	15
MN-13A	Faculty Room Bath Left	< 2.0	N/A	15
MN-13B	Faculty Room Bath Left	< 2.0	N/A	15
MN-14A	Faculty Room Bath Right	< 2.0	N/A	15
MN-14B	Faculty Room Bath Right	< 2.0	N/A	15
MN-15A	108 Bath Right	850	N/A	15
MN-15B	108 Bath Right	61	N/A	15
MN-16A	107 Right	260	N/A	15
MN-16B	107 Right	570	N/A	15
MN-17A	107 Left	61	N/A	15
MN-17B	107 Left	33	N/A	15
MN-18A	114 Right	13	N/A	15
MN-18B	114 Right	5.7	N/A	15

TABLE 2 - Continued
SUMMARY OF LABORATORY ANALYSIS RESULTS – NEW LOCATIONS

MN-19A	114 Left	260	N/A	15
MN-19B	114 Left	33	N/A	15
MN-20A	113 Right	390	N/A	15
MN-20B	113 Right	< 2.0	N/A	15
MN-21A	113 Left	94	N/A	15
MN-21B	113 Left	16	N/A	15
MN-22A	114 Sink	21	N/A	15
MN-22B	114 Sink	9.3	N/A	15
MN-23A	115 S1	7.5	N/A	15
MN-23B	115 S1	2.7	N/A	15
MN-24A	115 S2	2.5	N/A	15
MN-24B	115 S2	< 2.0	N/A	15
MN-25A	115 S3	17	N/A	15
MN-25B	115 S3	< 2.0	N/A	15
MN-26A	116 S1	220	N/A	15
MN-26B	116 S1	3.1	N/A	15
MN-27A	116 S2	92	N/A	15
MN-27B	116 S2	6.5	N/A	15
MN-28A	116 S3	2.3	N/A	15
MN-28B	116 S3	9.7	N/A	15
MN-29A	116 S4	10	N/A	15
MN-29B	116 S4	19	N/A	15
MN-30A	118 Sink	4.4	N/A	15
MN-30B	118 Sink	< 2.0	N/A	15
MN-31A	120 Sink	11	N/A	15
MN-31B	120 Sink	4.6	N/A	15
MN-32A	119 Sink	8.4	N/A	15
MN-32B	119 Sink	< 2.0	N/A	15
MN-33A	121 Sink	4.6	N/A	15
MN-33B	121 Sink	22	NA/	15
MN 0 34	Field Blank	< 2.0	-	-

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.

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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.



Chris Glowacki, CIEC
Industrial Hygienist

May 31, 2016
Date



Gary W. Fleming
Senior Manager, Hazardous Materials Division

May 31, 2016
Date