

April 26, 2019

Ms. Rhonda Munford
Energy Specialist/ Admin. Associate III Operations
Prince George Elementary School
4101 Courthouse Road
Prince George, Virginia 23875
Rmunford@pgs.k12.va.us



**RE: Lead Drinking Water Sampling
Prince George Public Schools
Bezley Elementary School
Project No.: ENRI190005.06**

Dear Ms. Munford:

The EI Group, Inc (EI) was contracted to perform drinking water sampling at the following school:

- Bezley Elementary School 6700 Courthouse Road, Prince George, VA 23875

This survey was performed by Mr. Chadwick Bowman and Ms. Holly Monger, Industrial Hygienists for EI, on April 19, 2019. The purpose of this assessment was to determine if drinking water for the above building contained lead in excess of the regulated levels.

During the assessment, one (1) sample was collected from each cold-water supply fixture used for drinking or cooking. Each sample was sealed in its own plastic jar and delivered on the day of the survey to Environmental Hazards Services, LLC (EHS) in Richmond, Virginia. EHS is accredited by the Virginia Environmental Laboratory Accreditation Program (VELAP) for Drinking Water (VELAP ID 460172).

Sample results indicate water samples meet all regulatory guidelines and regulations. See Table 1: Drinking Water Sampling Results, below for specific sampling locations and results.

Procedures and Standards

Lead is a toxic metal that is detrimental to human health. There is no known value of lead for the human body. Lead can remain in the bloodstream and bodily organs for up to a few months. Any amount of lead that is not excreted is absorbed into the bones, where it will collect indefinitely. Young children, 6 years of age and younger are at high risk for lead exposure due to frequent hand-to-mouth activity, and because their nervous systems are still undergoing development. There is currently no safe blood lead level for children, and the degree of harm from lead exposure can vary due to a number of factors such as the frequency, duration, and dose of exposure.

On the day of the survey, EI collected water samples in 250 mL plastic bottles at first draw. First draw refers to collecting a water sample after the water has been sitting in the pipes for at least 8 hours, and no longer than 18 hours prior to sampling. A total of forty (40) water samples were collected at first draw throughout the building.

Sample Results

The water sampling was conducted by the EI Group on April 19, 2019. The samples were submitted to EHS in Chesterfield, Virginia for analysis using the EPA recommended method SM 3113B-2010. EHS participates in the NELAC Accreditation Program, and the VA Environmental Laboratory Accreditation program (VELAP) for drinking water (VELAP ID 460172). Table 1 on the following page presents the results of the water samples analyzed by EHS on fixtures that were known and accessible to EI during the survey. The laboratory reports are attached in the Appendices.

**Table 1: Lead Drinking Water Sampling Results
 Beazley Elementary School – Prince George County
 Survey Date: April 19, 2019**

Sample No.	Sample Location	Result (ppb)	Exceedance
BE-1	C1 Fountain	1.38	NO
BE-2	E6 Fountain	7.12	NO
BE-3	EF8 Fountain	2.85	NO
BE-4	F5 Fountain	1.10	NO
BE-5	E4 Fountain	<1.00	NO
BE-6	E7 Fountain	<1.00	NO
BE-7	F4 Fountain	1.83	NO
BE-8	Guidance 2 G Boys	14.1	NO
BE-9	E3 Fountain	1.56	NO
BE-10	E2 Fountain	2.45	NO
BE-11	Kitchen Food Prep	<1.00	NO
BE-12	E5 Fountain	1.22	NO
BE-13	Café Fountain	<1.00	NO
BE-14	F1 Fountain	1.21	NO
BE-15	C6 Fountain	8.49	NO
BE-16	D4 Fountain	<1.00	NO
BE-17	F7 Fountain	1.43	NO
BE-18	F8 Fountain	2.84	NO
BE-19	F3 Fountain	<1.00	NO
BE-20	F6 Fountain	1.23	NO
BE-21	Office Bath Sink	2.32	NO
BE-22	G Building Washroom	1.30	NO
BE-23	F2 Fountain	8.80	NO
BE-24	D7 Fountain	1.08	NO
BE-25	E1 Fountain	1.75	NO
BE-26	C2 Fountain	3.00	NO
BE-27	Clinic Sink	5.77	NO
BE-28	C3 Fountain	2.36	NO
BE-29	C4 Fountain	1.12	NO
BE-30	D8 Fountain	1.30	NO
BE-31	C7-10 Fountain	<1.00	NO
BE-32	C5 Fountain	3.53	NO
BE-33	D1 Fountain	1.84	NO
BE-34	G Hallway Fountain	<1.00	NO
BE-35	D6 Fountain	1.15	NO
BE-36	G Building Music	1.53	NO
BE-37	D3 Fountain	1.70	NO
BE-38	D2 Fountain	1.68	NO
BE-39	Kitchen Wash	1.29	NO
BE-40	D5 Fountain	1.17	NO

ug/L = ppb
 ug/L = micrograms per liter
 ppb = Parts Per Billion
 EPA – Maximum Contaminant Level for Lead in Drinking Water – 15 ppb
BOLD = Exceedance of EPA Limit

Recommendations

Sample results indicate water samples meet all regulatory guidelines and regulations. EI has no further recommendations regarding lead in water sampling for Beazley Elementary School at this time.

Disclaimer

This inspection and report is written for and intended for the use of Prince George Public Schools and their clients only. EI will not be held liable for any interpretations made, opinions formed, or conclusions drawn by any third party as a result of examining the lab results, inspection results or this report. Any interpretations, opinions, and conclusions will be those made, formed, and drawn solely by that third party.

We have endeavored to complete the services identified herein in a manner consistent with that level of care and skill ordinarily exercised by members of the profession currently practicing in the same locality and under similar conditions at this project. Should conditions change, future sampling may need to be conducted. No other representation, express or implied, is included or intended, and no warranty or guarantee is included or intended in this agreement, or any report, opinion, document, or other instrument of service.

EI appreciates the opportunity to provide these environmental services for Prince George Public Schools. Please feel free to call us at (804) 320-9300 if you have any questions or are in need of further assistance.

Sincerely,
The EI Group, Inc



Chadwick Bowman
Manager, Richmond Operations



Holly Monger
Industrial Hygienist, Richmond

Appendices:
Appendix A –EHS Laboratory Reports



Environmental Hazards Services, L.L.C.
 7469 Whitepine Rd
 Richmond, VA 23237
 Telephone: 800.347.4010

Lead in Drinking Water Analysis Report

Client: The EI Group Inc. - Glen Allen
 4186 Innslake Dr
 Glen Allen, VA 23060

Report Number: 19-04-03198
 Received Date: 04/19/2019
 Reported Date: 04/25/2019
 Sampled By: Bowman/Monger
 Tech Certification #:

Project/Test Address: L.L. Beazley Elementary School; 6700 Courthouse Road; Prince George, VA
 23875

Client Number:
 48-1920

Laboratory Results

Fax Number:
 804-320-9302

Lab Sample Number	Client Sample ID	Collection Date	Collection Location	Concentration ug/L (ppb)	Analysis Date	Narrative ID
19-04-03198-001	BE-1	04/19/2019	C1 FOUNTAIN	1.38	04/22/2019	
19-04-03198-002	BE-2	04/19/2019	E6 FOUNTAIN	7.12	04/22/2019	
19-04-03198-003	BE-3	04/19/2019	EF8 FOUNTAIN	2.85	04/22/2019	
19-04-03198-004	BE-4	04/19/2019	F5 FOUNTAIN	1.10	04/22/2019	
19-04-03198-005	BE-5	04/19/2019	E4 FOUNTAIN	<1.00	04/22/2019	
19-04-03198-006	BE-6	04/19/2019	E7 FOUNTAIN	<1.00	04/22/2019	
19-04-03198-007	BE-7	04/19/2019	F4 FOUNTAIN	1.83	04/22/2019	
19-04-03198-008	BE-8	04/19/2019	GUIDANCE 2 G BOYS	14.1	04/22/2019	
19-04-03198-009	BE-9	04/19/2019	E3 FOUNTAIN	1.56	04/22/2019	
19-04-03198-010	BE-10	04/19/2019	E2 FOUNTAIN	2.45	04/22/2019	
19-04-03198-011	BE-11	04/19/2019	KITCHEN FOOD PREP	<1.00	04/22/2019	
19-04-03198-012	BE-12	04/19/2019	E5 FOUNTAIN	1.22	04/22/2019	

Environmental Hazards Services, L.L.C

Client Number: 48-1920

Report Number: 19-04-03198

Project/Test Address: L.L. Beazley Elementary School; 6700 Courthouse Road; Prince George, VA 23875

Lab Sample Number	Client Sample ID	Collection Date	Collection Location	Concentration ug/L (ppb)	Analysis Date	Narrative ID
19-04-03198-013	BE-13	04/19/2019	CAFÉ FOUNTAIN	<1.00	04/22/2019	
19-04-03198-014	BE-14	04/19/2019	F1 FOUNTAIN	1.21	04/22/2019	
19-04-03198-015	BE-15	04/19/2019	C6 FOUNTAIN	8.49	04/22/2019	
19-04-03198-016	BE-16	04/19/2019	D4 FOUNTAIN	<1.00	04/22/2019	
19-04-03198-017	BE-17	04/19/2019	F7 FOUNTAIN	1.43	04/22/2019	
19-04-03198-018	BE-18	04/19/2019	F8 FOUNTAIN	2.84	04/22/2019	
19-04-03198-019	BE-19	04/19/2019	F3 FOUNTAIN	<1.00	04/22/2019	
19-04-03198-020	BE-20	04/19/2019	F6 FOUNTAIN	1.23	04/22/2019	
19-04-03198-021	BE-21	04/19/2019	OFFICE BATH SINK	2.32	04/22/2019	
19-04-03198-022	BE-22	04/19/2019	G BUILDING WASHROOM	1.30	04/22/2019	
19-04-03198-023	BE-23	04/19/2019	F2 FOUNTAIN	8.80	04/22/2019	
19-04-03198-024	BE-24	04/19/2019	D7 FOUNTAIN	1.08	04/22/2019	
19-04-03198-025	BE-25	04/19/2019	E1 FOUNTAIN	1.75	04/22/2019	
19-04-03198-026	BE-26	04/19/2019	C2 FOUNTAIN	3.00	04/22/2019	
19-04-03198-027	BE-27	04/19/2019	CLINIC SINK	5.77	04/22/2019	
19-04-03198-028	BE-28	04/19/2019	C3 FOUNTAIN	2.36	04/22/2019	
19-04-03198-029	BE-29	04/19/2019	C4 FOUNTAIN	1.12	04/22/2019	
19-04-03198-030	BE-30	04/19/2019	D8 FOUNTAIN	1.30	04/22/2019	
19-04-03198-031	BE-31	04/19/2019	C7-10 FOUNTAIN	<1.00	04/23/2019	
19-04-03198-032	BE-32	04/19/2019	C5 FOUNTAIN	3.53	04/23/2019	

Environmental Hazards Services, L.L.C

Client Number: 48-1920
 Project/Test Address: L.L. Beazley Elementary School; 6700 Courthouse Road; Prince George, VA 23875

Report Number: 19-04-03198

Lab Sample Number	Client Sample ID	Collection Date	Collection Location	Concentration ug/L (ppb)	Analysis Date	Narrative ID
19-04-03198-033	BE-33	04/19/2019	D1 FOUNTAIN	1.84	04/23/2019	
19-04-03198-034	BE-34	04/19/2019	G HALLWAY FOUNTAIN	<1.00	04/23/2019	
19-04-03198-035	BE-35	04/19/2019	D6 FOUNTAIN	1.15	04/23/2019	
19-04-03198-036	BE-36	04/19/2019	G BUILDING MUSIC	1.53	04/23/2019	
19-04-03198-037	BE-37	04/19/2019	D3 FOUNTAIN	1.70	04/23/2019	
19-04-03198-038	BE-38	04/19/2019	D2 FOUNTAIN	1.68	04/23/2019	
19-04-03198-039	BE-39	04/19/2019	KITCHEN WASH	1.29	04/23/2019	
19-04-03198-040	BE-40	04/19/2019	D5 FOUNTAIN	1.17	04/23/2019	

Method: SM 3113B-2010
 Analyst: Jennalee Zlotkowski
 Accreditation #: VA 460172

Reviewed By Authorized Signatory: *Melissa Kanode*

Missy Kanode

QA/QC Clerk

Sample Results denoted with a "less than" (<) sign contain less than the reporting limit which is 1 ppb.

The EPA Maximum Contaminant Level for Lead in Drinking Water is 15 ppb. The results herein conform to NELAC standards, where applicable, unless otherwise narrated on this report. Results represent the analysis of samples submitted by the client. Sample location, description, field parameter results, etc., were provided by the client. This report cannot be reproduced, except in full, without written approval from Environmental Hazards Services, L.L.C.

LEGEND ug/L= micrograms per liter ppb = parts per billion



Environmental Hazards Services, LLC

WATER Chain of Custody Form

7469 Whitepine Rd, Richmond, VA 23237

800-347-4010

Due Date:
04/26/2019
(Friday)
ER

104

Company Name: The EI Group Address: 4186 Innslake Dr
 Phone: 804-320-9300 Email: cbowman@ei1.com Acct No _____
 School Name & Address L.L. Beazley Elementary School; 6700 Courthouse Road; Prince George, VA 23875
 Collected By: Chad Bowman, Holly Monger PO# _____

Age of Property: _____ Water Source: X Public or _____ Well

TURN AROUND TIME: 5 Days

No.	Client Sample ID	Sample Location	Collection Date	Collection Time	AM	PM	Analyte
1	BE-1	C1 Fountain	4/19/2019				Pb
2	BE-2	E6 Fountain	4/19/2019				Pb
3	BE-3	F8 Fountain	4/19/2019				Pb
4	BE-4	F5 Fountain	4/19/2019				Pb
5	BE-5	E4 Fountain	4/19/2019				Pb
6	BE-6	E7 Fountain	4/19/2019				Pb
7	BE-7	F4 Fountain	4/19/2019				Pb
8	BE-8	Guidance 2 G Boys	4/19/2019				Pb
9	BE-9	E3 Fountain	4/19/2019				Pb
10	BE-10	E2 Fountain	4/19/2019				Pb
11	BE-11	Kitchen Food Prep	4/19/2019				Pb
12	BE-12	E5 Fountain	4/19/2019				Pb
13	BE-13	Café Fountain	4/19/2019				Pb
14	BE-14	F1 Fountain	4/19/2019				Pb
15	BE-15	C6 Sink	4/19/2019				Pb
16	BE-16	D4 Fountain	4/19/2019				Pb
17	BE-17	F7 Fountain	4/19/2019				Pb
18	BE-18	E8 Fountain	4/19/2019				Pb
19	BE-19	F3 Fountain	4/19/2019				Pb
20	BE-20	F6 Fountain	4/19/2019				Pb
21	BE-21	Office Bath Sink	4/19/2019				Pb
22	BE-22	G Building Washroom	4/19/2019				Pb
23	BE-23	F2 Fountain	4/19/2019				Pb
24	BE-24	D7 Fountain	4/19/2019				Pb
25	BE-25	E1 Fountain	4/19/2019				Pb
26	BE-26	C2 Fountain	4/19/2019				Pb
27	BE-27	Clinic Sink	4/19/2019				Pb
28	BE-28	C3 Fountain	4/19/2019				Pb
29	BE-29	C4 Fountain	4/19/2019				Pb
30	BE-30	D8 Fountain	4/19/2019				Pb
31	BE-31	C7-10 Fountain	4/19/2019				Pb
32	BE-32	C5 Fountain	4/19/2019				Pb
33	BE-33	D1 Fountain	4/19/2019				Pb
34	BE-34	G Hallway Fountain	4/19/2019				Pb
35	BE-35	D6 Fountain	4/19/2019				Pb
36	BE-36	G Building Music	4/19/2019				Pb
37	BE-37	D3 Fountain	4/19/2019				Pb
38	BE-38	D2 Fountain	4/19/2019				Pb
39	BE-39	Kitchen Wash	4/19/2019				Pb
40	BE-40	D5 Fountain	4/19/2019				Pb
41			4/19/2019				Pb
42			4/19/2019				Pb
43			4/19/2019				Pb
44			4/19/2019				Pb
45			4/19/2019				Pb
46			4/19/2019				Pb
47			4/19/2019				Pb
48			4/19/2019				Pb
49			4/19/2019				Pb
50			4/19/2019				Pb

Released By: <u>Holly Monger</u>	Date & Time <u>4/19/19</u>	Signature: <u>Holly Monger</u>
Received By: <u>J. Dehara</u>	Date & Time <u>4/19/19 3:39p</u>	Signature: _____