

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
Walton Elementary School
Project No.: ENRI190005.09**

Dear Ms. Munford:

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

- Walton Elementary School 4101 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 thirty-eight (38) 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
Walton Elementary School – Prince George County
Survey Date: April 19, 2019**

Sample No.	Sample Location	Result (ppb)	Exceedance
WE-1	Main Office Fountain	4.29	NO
WE-2	Clinic Sink	1.37	NO
WE-3	Kitchen Left Side Sink	1.31	NO
WE-4	Kitchen Right Side Sink	1.14	NO
WE-5	Café Left Side Facing Bldg Fountain	<1.00	NO
WE-6	Café Right Side Facing Bldg Fountain	<1.00	NO
WE-7	Bldg HI Fountain Near Boy/Girl Bathroom	<1.00	NO
WE-8	Bldg HI Room 110 Fountain	<1.00	NO
WE-9	Bldg C Room 1 Fountain	2.04	NO
WE-10	Bldg C Room 2 Fountain	1.97	NO
WE-11	Bldg D Room 1 Fountain	<1.00	NO
WE-12	Bldg D Room 2 Fountain	<1.00	NO
WE-13	Bldg D Room 3 Fountain	1.62	NO
WE-14	Bldg D Room 5 Fountain	1.11	NO
WE-15	Bldg D Room 6 Fountain	1.06	NO
WE-16	Bldg D Room 4 Fountain	1.76	NO
WE-17	Bldg E Room 1 Fountain	<1.00	NO
WE-18	Bldg E Room 2 Sink	<1.00	NO
WE-19	Bldg E Room 3 Fountain	1.01	NO
WE-20	Bldg E Room 4 Fountain	<1.00	NO
WE-21	Bldg E Room 5 Fountain	1.34	NO
WE-22	Bldg E Room 6 Fountain	<1.00	NO
WE-23	Bldg F Room 1 Fountain	<1.00	NO
WE-24	Bldg F Room 2 Fountain	3.92	NO
WE-25	Bldg F Room 3 Fountain	<1.00	NO
WE-26	Bldg F Room 4 Fountain	<1.00	NO
WE-27	Bldg F Room 5 Fountain	1.14	NO
WE-28	Bldg F Room 6 Fountain	<1.00	NO
WE-29	Bldg G Room 1 Fountain	<1.00	NO
WE-30	Bldg G Room 2 Fountain	1.01	NO
WE-31	Bldg G Room 3 Fountain	1.67	NO
WE-32	Bldg G Room 4 Sink	1.28	NO
WE-33	Bldg G Room 5 Fountain	<1.00	NO
WE-34	Bldg H Room 1 Sink	<1.00	NO
WE-35	Bldg H Room 2 Fountain	1.19	NO
WE-36	Bldg H Room 3 Fountain	1.26	NO
WE-37	Bldg H Room 4 Fountain	1.05	NO
WE-38	Bldg H Room 5 Fountain	<1.00	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 Walton 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: 19-04-03205
 Received Date: 04/19/2019
 Reported Date: 04/25/2019
 Sampled By: Bowman/Monger
 Tech Certification #:

Project/Test Address: Walton Elementary School; 4101 Courthouse Rd; 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
19-04-03205-001	WE-1	04/19/2019	MAIN OFFICE FOUNTAIN	4.29	04/22/2019	
19-04-03205-002	WE-2	04/19/2019	CLINIC SINK	1.37	04/22/2019	
19-04-03205-003	WE-3	04/19/2019	KITCHEN LEFT SIDE SINK	1.31	04/22/2019	
19-04-03205-004	WE-4	04/19/2019	KITCHEN RIGHT SIDE SINK	1.14	04/22/2019	
19-04-03205-005	WE-5	04/19/2019	CAFÉ LEFT SIDE FACING BLDG FOUNTAIN	<1.00	04/22/2019	
19-04-03205-006	WE-6	04/19/2019	CAFÉ RIGHT SIDE FACING BLDG FOUNTAIN	<1.00	04/22/2019	
19-04-03205-007	WE-7	04/19/2019	BLDG HI FOUNTAIN NEAR BOY/GIRL BATHROOM	<1.00	04/22/2019	
19-04-03205-008	WE-8	04/19/2019	BLDG HI ROOM 110 FOUNTAIN	<1.00	04/22/2019	
19-04-03205-009	WE-9	04/19/2019	BLDG C ROOM 1 FOUNTAIN	2.04	04/22/2019	
19-04-03205-010	WE-10	04/19/2019	BLDG C ROOM 2 FOUNTAIN	1.97	04/22/2019	
19-04-03205-011	WE-11	04/19/2019	BLDG D ROOM 1 FOUNTAIN	<1.00	04/22/2019	
19-04-03205-012	WE-12	04/19/2019	BLDG D ROOM 2 FOUNTAIN	<1.00	04/22/2019	
19-04-03205-013	WE-13	04/19/2019	BLDG D ROOM 3 FOUNTAIN	1.62	04/22/2019	

Environmental Hazards Services, L.L.C

Client Number: 48-1920

Report Number: 19-04-03205

Project/Test Address: Walton Elementary School; 4101 Courthouse Rd; Prince George, VA 23875

Lab Sample Number	Client Sample ID	Collection Date	Collection Location	Concentration ug/L (ppb)	Analysis Date	Narrative ID
19-04-03205-014	WE-14	04/19/2019	BLDG D ROOM 5 FOUNTAIN	1.11	04/22/2019	
19-04-03205-015	WE-15	04/19/2019	BLDG D ROOM 6 FOUNTAIN	1.06	04/22/2019	
19-04-03205-016	WE-16	04/19/2019	BLDG D ROOM FOUNTAIN	1.76	04/22/2019	
19-04-03205-017	WE-17	04/19/2019	BLDG E ROOM 1 FOUNTAIN	<1.00	04/22/2019	
19-04-03205-018	WE-18	04/19/2019	BLDG E ROOM 2 SINK	<1.00	04/22/2019	
19-04-03205-019	WE-19	04/19/2019	BLDG E ROOM 3 FOUNTAIN	1.01	04/22/2019	
19-04-03205-020	WE-20	04/19/2019	BLDG E ROOM 4 FOUNTAIN	<1.00	04/22/2019	
19-04-03205-021	WE-21	04/19/2019	BLDG E ROOM 5 FOUNTAIN	1.34	04/22/2019	
19-04-03205-022	WE-22	04/19/2019	BLDG E ROOM 6 FOUNTAIN	<1.00	04/22/2019	
19-04-03205-023	WE-23	04/19/2019	BLDG F ROOM 1 FOUNTAIN	<1.00	04/22/2019	
19-04-03205-024	WE-24	04/19/2019	BLDG F ROOM 2 FOUNTAIN	3.92	04/22/2019	
19-04-03205-025	WE-25	04/19/2019	BLDG F ROOM 3 FOUNTAIN	<1.00	04/22/2019	
19-04-03205-026	WE-26	04/19/2019	BLDG F ROOM 4 FOUNTAIN	<1.00	04/22/2019	
19-04-03205-027	WE-27	04/19/2019	BLDG F ROOM 5 FOUNTAIN	1.14	04/22/2019	
19-04-03205-028	WE-28	04/19/2019	BLDG F ROOM 6 FOUNTAIN	<1.00	04/22/2019	
19-04-03205-029	WE-29	04/19/2019	BLDG G ROOM 1 FOUNTAIN	<1.00	04/22/2019	
19-04-03205-030	WE-30	04/19/2019	BLDG G ROOM 2 FOUNTAIN	1.01	04/23/2019	
19-04-03205-031	WE-31	04/19/2019	BLDG G ROOM 3 FOUNTAIN	1.67	04/23/2019	
19-04-03205-032	WE-32	04/19/2019	BLDG G ROOM 4 SINK	1.28	04/23/2019	
19-04-03205-033	WE-33	04/19/2019	BLDG G ROOM 5 FOUNTAIN	<1.00	04/23/2019	

Environmental Hazards Services, L.L.C

Client Number: 48-1920

Report Number: 19-04-03205

Project/Test Address: Walton Elementary School; 4101 Courthouse Rd; Prince George, VA 23875

Lab Sample Number	Client Sample ID	Collection Date	Collection Location	Concentration ug/L (ppb)	Analysis Date	Narrative ID
19-04-03205-034	WE-34	04/19/2019	BLDG H ROOM 1 SINK	<1.00	04/23/2019	
19-04-03205-035	WE-35	04/19/2019	BLDG H ROOM 2 FOUNTAIN	1.19	04/23/2019	
19-04-03205-036	WE-36	04/19/2019	BLDG H ROOM 3 FOUNTAIN	1.26	04/23/2019	
19-04-03205-037	WE-37	04/19/2019	BLDG H ROOM 4 FOUNTAIN	1.05	04/23/2019	
19-04-03205-038	WE-38	04/19/2019	BLDG H ROOM 5 FOUNTAIN	<1.00	04/23/2019	

Method: SM 3113B-2010

Analyst: Jennalee Zlotkowski

Accreditation #: VA 460172

Reviewed By Authorized Signatory:



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 w

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

KH

Company Name: The EI Group Address: 4186 Innslake Dr
 Phone: 804-320-9300 Email: Cbowman@ei1.com Acct No. 48
 School Name & Address Walton Elementary 4101 Courthouse Rd; Prince George, VA 23875
 Collected By: Chad Bowman Holly Monger PO# _____
 Age of Property: _____ Water Source: _____ Public or _____ Well

TURN AROUND TIME:

No.	Client Sample ID	Sample Location	Collection Date	Collection Time	AM	PM	Analyte
1	WE-1	Main Office Fountain	4/19/2019				Pb
2	WE-2	Clinic Sink	4/19/2019				Pb
3	WE-3	Kitchen Left Side Sink	4/19/2019				Pb
4	WE-4	Kitchen Right Side Sink	4/19/2019				Pb
5	WE-5	Café Left Side Facing Bldg Fountain	4/19/2019				Pb
6	WE-6	Café Right Side Facing Bldg Fountain	4/19/2019				Pb
7	WE-7	Bldg HI Fountain Near Boy/Girl Bathroom	4/19/2019				Pb
8	WE-8	Bldg HI Room I10 Fountain	4/19/2019				Pb
9	WE-9	Bldg C Room 1 Fountain	4/19/2019				Pb
10	WE-10	Bldg C Room 2 Fountain	4/19/2019				Pb
11	WE-11	Bldg D Room 1 Fountain	4/19/2019				Pb
12	WE-12	Bldg D Room 2 Fountain	4/19/2019				Pb
13	WE-13	Bldg D Room 3 Fountain	4/19/2019				Pb
14	WE-14	Bldg D Room 5 Fountain	4/19/2019				Pb
15	WE-15	Bldg D Room 6 Fountain	4/19/2019				Pb
16	WE-16	Bldg D Room Fountain	4/19/2019				Pb
17	WE-17	Bldg E Room 1 Fountain	4/19/2019				Pb
18	WE-18	Bldg E Room 2 Sink	4/19/2019				Pb
19	WE-19	Bldg E Room 3 Fountain	4/19/2019				Pb
20	WE-20	Bldg E Room 4 Fountain	4/19/2019				Pb
21	WE-21	Bldg E Room 5 Fountain	4/19/2019				Pb
22	WE-22	Bldg E Room 6 Fountain	4/19/2019				Pb
23	WE-23	Bldg F Room 1 Fountain	4/19/2019				Pb
24	WE-24	Bldg F Room 2 Fountain	4/19/2019				Pb
25	WE-25	Bldg F Room 3 Fountain	4/19/2019				Pb
26	WE-26	Bldg F Room 4 Fountain	4/19/2019				Pb
27	WE-27	Bldg F Room 5 Fountain	4/19/2019				Pb
28	WE-28	Bldg F Room 6 Fountain	4/19/2019				Pb
29	WE-29	Bldg G Room 1 Fountain	4/19/2019				Pb
30	WE-30	Bldg G Room 2 Fountain	4/19/2019				Pb
31	WE-31	Bldg G Room 3 Fountain	4/19/2019				Pb
32	WE-32	Bldg G Room 4 Sink	4/19/2019				Pb
33	WE-33	Bldg G Room 5 Fountain	4/19/2019				Pb
34	WE-34	Bldg H Room 1 Sink	4/19/2019				Pb
35	WE-35	Bldg H Room 2 Fountain	4/19/2019				Pb
36	WE-36	Bldg H Room 3 Fountain	4/19/2019				Pb
37	WE-37	Bldg H Room 4 Fountain	4/19/2019				Pb
38	WE-38	Bldg H Room 5 Fountain	4/19/2019				Pb
39							Pb
40							Pb
41							Pb
42							Pb
43							Pb
44							Pb
45							Pb
46							Pb
47							Pb
48							Pb
49							Pb
50							Pb

Released By: <u>Holly Monger</u>	Date & Time <u>4/19/19</u>	Signature: <u>Holly Monger</u>
Received By: <u>T. Bowman</u>	Date & Time <u>4/19/19 6:15p</u>	Signature: _____