

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
School Board Office
Project No.: ENRI190005.15**

Dear Ms. Munford:

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

- School Board Office 6410 Courts Drive, 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 four (4) 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 School Board Office – Prince George County Survey Date: April 19, 2019			
Sample No.	Sample Location	Result (ppb)	Exceedance
SBO-1	Break Room Sink	<1.00	NO
SBO-2	Lobby - Fountain	<1.00	NO
SBO-3	Operations Hall – Fountain (1)	<1.00	NO
SBO-4	Operations Hall – Fountain (2)	<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 the School Board Office 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

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: 19-04-03196
 Received Date: 04/19/2019
 Reported Date: 04/25/2019
 Sampled By:
 Tech Certification #:

Project/Test Address: Prince George County School Board Office; 6410 Courts Drive; 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
19-04-03196-001	SBO-1	04/19/2019	BACK ROOM SINK	<1.00	04/24/2019	
19-04-03196-002	SBO-2	04/19/2019	LOBBY FOUNTAIN	<1.00	04/24/2019	
19-04-03196-003	SBO-3	04/19/2019	OPERATION HALL FOUNTAIN	<1.00	04/24/2019	
19-04-03196-004	SBO-4	04/19/2019	HALLWAY FOUNTAIN (2) OPERATIONS HALL	<1.00	04/24/2019	

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 www.leadlab.com

Company Name: The EI Group Address: 4186 Innslake Dr

Phone: 804-320-9300 Email: cbowman@ei1.com Acct No. 48-1920

School Name & Address Prince George County School Board Office; 6410 Courts Drive, 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	SBO-1	Back Room Sink	4/19/2019				Pb
2	SBO-2	Lobby Fountain	4/19/2019				Pb
3	SBO-3	Operations Hall Fountain	4/19/2019				Pb
4	SBO-4	Hallway Fountain (2) Operations Hall	4/19/2019				Pb
5			4/19/2019				Pb
6			4/19/2019				Pb
7			4/19/2019				Pb
8			4/19/2019				Pb
9			4/19/2019				Pb
10			4/19/2019				Pb
11			4/19/2019				Pb
12			4/19/2019				Pb
13			4/19/2019				Pb
14			4/19/2019				Pb
15			4/19/2019				Pb
16			4/19/2019				Pb
17			4/19/2019				Pb
18			4/19/2019				Pb
19			4/19/2019				Pb
20			4/19/2019				Pb
21			4/19/2019				Pb
22			4/19/2019				Pb
23			4/19/2019				Pb
24			4/19/2019				Pb
25			4/19/2019				Pb
26			4/19/2019				Pb
27			4/19/2019				Pb
28			4/19/2019				Pb
29			4/19/2019				Pb
30			4/19/2019				Pb
31			4/19/2019				Pb
32			4/19/2019				Pb
33			4/19/2019				Pb
34			4/19/2019				Pb
35			4/19/2019				Pb
36			4/19/2019				Pb
37			4/19/2019				Pb
38			4/19/2019				Pb
39			4/19/2019				Pb
40			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

19-04-03196

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

RH

Released By: <u>Holly Monger</u>	Date & Time: <u>4/19/19</u>	Signature: <u>Holly Monger</u>
Received By: <u>J. Robinson</u>	Date & Time: <u>4/19/19 5p</u>	Signature: _____