

April 29, 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](mailto:Rmunford@pgs.k12.va.us)



**RE: Lead Drinking Water Sampling  
Prince George Public Schools  
Prince George Ed Center  
Project No.: ENRI190005.08**

Dear Ms. Munford:

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

- Prince George Ed Center 11465 Prince George Drive, Disputanta, VA 23842

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, twelve (12) samples were 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 twelve (12) 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.

<b>Table 1: Lead Drinking Water Sampling Results Prince George Ed Center – Prince George County Survey Date: April 19, 2019</b>			
<b>Sample No.</b>	<b>Sample Location</b>	<b>Result (ppb)</b>	<b>Exceedance</b>
10-04-04337-001	Trailer 5A Short Fountain	<1.00	NO
10-04-04337-002	Trailer 5A Tall Fountain	<1.00	NO
10-04-04337-003	Trailer 5B Short Fountain	<1.00	NO
10-04-04337-004	Trailer 5B Tall Fountain	<1.00	NO
10-04-04337-005	Trailer 4A Short Fountain	<1.00	NO
10-04-04337-006	Trailer 4A Tall Fountain	<1.00	NO
10-04-04337-007	Trailer 4B Short Fountain	<1.00	NO
10-04-04337-008	Trailer 4B Tall Fountain	<1.00	NO
10-04-04337-009	Trailer 1A Fountain	<1.00	NO
10-04-04337-010	Trailer 1B Fountain	1.34	NO
10-04-04337-011	Trailer 3A Fountain	3.15	NO
10-04-04337-012	Trailer 3B Fountain	1.20	NO
ug/L = ppb ug/L = micrograms per liter ppb = Parts Per Billion EPA – Maximum Contaminant Level for Lead in Drinking Water – 15 ppb <b>BOLD</b> = 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 Prince George Ed Center 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: 19-04-04337  
 Received Date: 04/29/2019  
 Reported Date: 04/29/2019  
 Sampled By: Bowman/Monger  
 Tech Certification #:

Project/Test Address: Prince George Ed Center; 11465 Prince George Drive; Disputanta, VA 23842

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
19-04-04337-001	MM-1	04/19/2019	TRAILER 5A SHORT FOUNTAIN	<1.00	04/24/2019	
19-04-04337-002	MM-2	04/19/2019	TRAILER 5A TALL FOUNTAIN	<1.00	04/24/2019	
19-04-04337-003	MM-3	04/19/2019	TRAILER 5B SHORT FOUNTAIN	<1.00	04/24/2019	
19-04-04337-004	MM-4	04/19/2019	TRAILER 5B TALL FOUNTAIN	<1.00	04/24/2019	
19-04-04337-005	MM-5	04/19/2019	TRAILER 4A SHORT FOUNTAIN	<1.00	04/24/2019	
19-04-04337-006	MM-6	04/19/2019	TRAILER 4A TALL FOUNTAIN	<1.00	04/24/2019	
19-04-04337-007	MM-7	04/19/2019	TRAILER 4B SHORT FOUNTAIN	<1.00	04/24/2019	
19-04-04337-008	MM-8	04/19/2019	TRAILER 4B TALL FOUNTAIN	<1.00	04/24/2019	
19-04-04337-009	MM-9	04/19/2019	TRAILER 1A FOUNTAIN	<1.00	04/24/2019	
19-04-04337-010	MM-10	04/19/2019	TRAILER 1B FOUNTAIN	1.34	04/24/2019	
19-04-04337-011	MM-53	04/19/2019	TAILER 3A FOUNTAIN	3.15	04/25/2019	
19-04-04337-012	MM-54	04/19/2019	TRAILER 3B FOUNTAIN	1.20	04/25/2019	

# Environmental Hazards Services, L.L.C

Client Number: 48-1920

Report Number: 19-04-04337

Project/Test Address: Prince George Ed Center; 11465 Prince George Drive;  
Disputanta, VA 23842

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Lab Sample Number	Client Sample ID	Collection Date	Collection Location	Concentration ug/L (ppb)	Analysis Date	Narrative ID
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Method: SM 3113B-2010  
Analyst: Jennalee Zlotkowski  
Accreditation #: VA 460172

Reviewed By Authorized Signatory: *Melissa Kanode*

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*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.

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

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Environmental Hazards Services, LLC

# WATER Chain of Custody Form

7469 Whitepine Rd, Richmond, VA 23237

800-347-401

19-04-04337



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

Company Name: The EI Group Address: 4186 Innslake Drive, Glen Allen  
 Phone: 804-385-2102 Email: hmonger@ei1.com / cbowman@ei1.com Acct  
 School Name & Address: Prince George Ed Center 11465 Prince George Drive, Disputanta, VA 23842  
 Collected By: 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	MM-1	Trailer 5A Short Fountain	4/19/2019				Pb
2	MM-2	Trailer 5A Tall Fountain	4/19/2019				Pb
3	MM-3	Trailer 5B Short Fountain	4/19/2019				Pb
4	MM-4	Trailer 5B Tall Fountain	4/19/2019				Pb
5	MM-5	Trailer 4A Short Fountain	4/19/2019				Pb
6	MM-6	Trailer 4A Tall Fountain	4/19/2019				Pb
7	MM-7	Trailer 4B Short Fountain	4/19/2019				Pb
8	MM-8	Trailer 4B Tall Fountain	4/19/2019				Pb
9	MM-9	Trailer 1A Fountain	4/19/2019				Pb
10	MM-10	Trailer 1B Fountain	4/19/2019				Pb
11	MM-53	Trailer 3A Fountain	4/19/2019				Pb
12	MM-54	Trailer 3B Fountain	4/19/2019				Pb
13							Pb
14							Pb
15							Pb
16							Pb
17							Pb
18							Pb
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43							
44							
45							
46							Pb
47							Pb
48							Pb
49							Pb
50							Pb

Released By: \_\_\_\_\_ Date & Time \_\_\_\_\_ Signature: \_\_\_\_\_  
 Received By: RTHARRIS Date & Time 4-29-19 @ 8:30AM Signature: [Signature]