

HIGHLANDS ELEMENTARY SCHOOL LEAD IN DRINKING WATER FIRST DRAW SAMPLING REPORT

PERFORMED FOR:

HIGHLANDS ELEMENTARY SCHOOL 360 NAVESINK AVENUE HIGHLANDS, NJ 07732

PERFORMED BY:

WESTCHESTER ENVIRONMENTAL LLC 1248 WRIGHTS LANE WEST CHESTER, PA 19380

OCTOBER 2021



October 20, 2021

Mr. Steve Dockery Highlands Elementary School 360 Navesink Avenue Highlands, NJ 07732

Re: LEAD IN DRINKING WATER REPORT- FIRST ROUND SAMPLING

Dear Mr. Dockery

Please find enclosed the report for the Lead in Drinking Water-First Draw Sampling conducted for Highlands Elementary School.

If you have any questions, please contact me at 610-431-7545 or email me at nabraham@westchesterenvironmental.com.

Sincerely,

Westchester Environmental, LLC

Noel Abraham

Environmental Specialist



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1.0 INTRODUCTION

Westchester Environmental, LLC was contracted by Mr. Steve Dockery to conduct Drinking Water Sampling at the Highlands Elementary School.

The purpose of the sampling was to collect first draw and flush draw drinking water samples at predetermined locations in the facility and have them analyzed for lead levels.

The water sampling was performed on September 18, 2021 by Noel Abraham of Westchester Environmental, LLC.

All samples were analyzed by Suburban Testing Labs located at 1037 MacArthur Rd, Reading, PA 19605, a New Jersey certified Lead in Drinking Water testing facility.



2.0 SUMMARY OF FINDINGS

First Draw samples were collected and submitted for lead analysis. Tables 1 below shows the concentration of lead (parts per billion or microgram per liter) at each location sampled.

Table 1: Highlands Elementary School

	Location Code	Result (ppb)	Action Level (ppb)	Lead Hazard (Yes/No)
1	HHES-1FL-POE-Boiler Rm - BR	<1.00	15.5	No
2	HHES-1FL-FP-Kitchen-1	1.16	15.5	No
3	HHES-1FL-S-Rm 105	<1.00	15.5	No
4	HHES-1FL-S-Rm 104	<1.00	15.5	No
5	HHES-1FL-DW-Hall o/s Main Office 1	<1.00	15.5	No
6	HHES-1FL- B-Hall o/s Rm 112	<1.00	15.5	No
7	HHES-1FL-FS-Teacher's Lounge (205)	1.27	15.5	No
8	HHES-1FL-DW-Hall o/s Rm 210	< 1.00	15.5	No



3.0 SAMPLING AND ANALYSES

The following guidance documents were followed for all sampling:

- 1. N.J.A.C. 6A:26
- 2. The EPA's Revised Technical Guidance "3Ts for Reduced Lead in Drinking Water in Schools"
- 3. Guidance Document from NJDEP Division of Water Supply and Geoscience "Lead in Drinking Water: Guidance for Schools and Child Care Facilities Served by Public Water".

Eight (8) first draw and flush draw samples were collected. All first draw samples were analyzed. All other flush samples are held by the lab pending first draw results.

All samples were labeled with a unique identification number and transported to the Suburban Laboratory for analysis for lead in drinking water using EPA Method 200.8.



4.0 DISCUSSION & RECOMMENDATIONS

According to the US EPA, lead enters drinking water primarily through plumbing materials.

For further information on guidance protocols and Action Levels that were followed please refer to:

- 1. N.J.A.C. 6A:26
- 2. The EPA's Revised Technical Guidance "3Ts for Reduced Lead in Drinking Water in Schools"
- 3. Guidance Document from NJDEP Division of Water Supply and Geoscience "Lead in Drinking Water: Guidance for Schools and Child Care Facilities Served by Public Water".

Based on a laboratory analysis after the first draw samples, no analysis of flush samples is required as all samples analyzed fall below the action limit.

The type of samples collected for this assessment are referred to as grab samples. Grab samples are individual discrete samples collected at a specific time and location and are reflective of the conditions at that time of collection.

It is important to note that the Lead Hazard Assessment was a snap shot of the conditions existing at the time of the assessment and conditions may vary with time.



5.0 DISCLAIMER

The Lead Hazard Assessment has limitations with regards to identification of actual health and environmental issues. It is limited to only those items listed in the report and all items reflect conditions at the time of the assessment only.

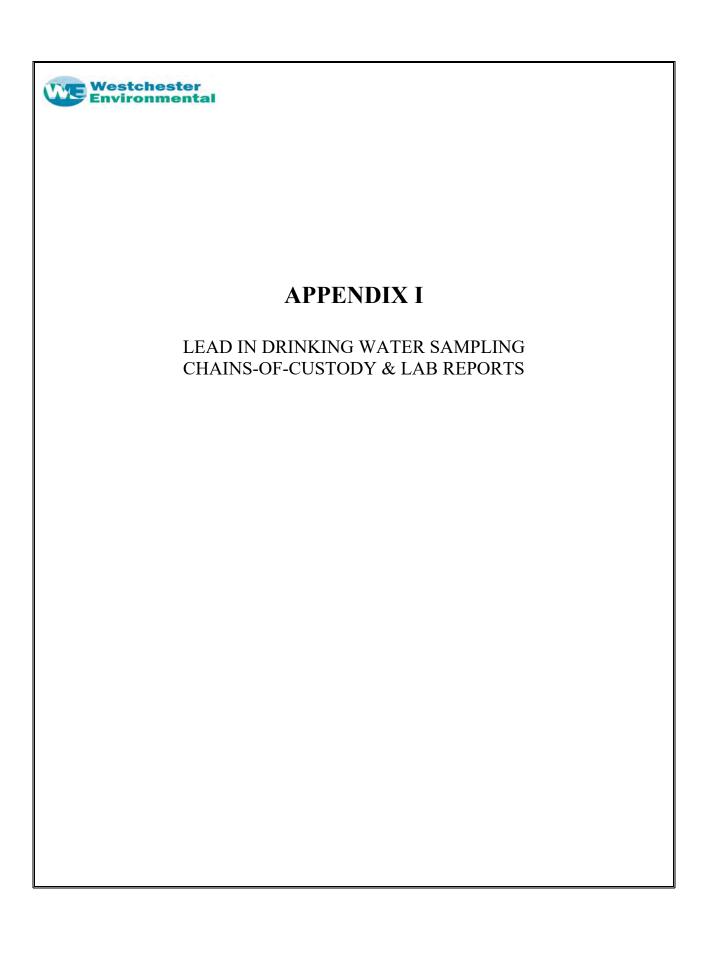
Westchester Environmental LLC warrants only that the contents of this report constitute an informed discussion of the assessment at the subject property and is prepared exclusively for, and is confidential to, the above noted client. Westchester Environmental LLC assumes no liability with regards to the use of this information or decisions, which are made regarding the subject property. The user(s) of this information must use their own best judgment to determine the appropriate course of action.

Westchester Environmental LLC

Noel Abraham

Environmental Specialist

-END OF REPORT-





Results Report

Order ID: 1104597

Westchester Environmental 1248 Wrights Lane West Chester, PA 19380

Project: Highlands Elementary School Highlands Elementary

Regulatory ID: Attn: Noel Abraham

Sample Number: 1I04597-01 Collector: NPA		Site: HHES-1FL-POE-Bo Collect Date: 09/16/2021		Samp Samp		Boiler R be: Grab	m - BR		
Department / Test / Parameter	Result	Units	Method	R.L.	DF	Prep Date	Ву	Analysis Date	Ву
<u>Metals</u>									
Lead	< 1.00	μg/L	EPA 200.8	1.00	1	09/22/21	JED	09/30/21 15:51	MKR
Sample Number: 1I04597-02		Site: HHES-1FL-FP-Kitch	en-1	Samp	le ID:	Kitchen-	-1		
Collector: NPA		Collect Date: 09/16/2021	3:56 pm	Samp	le Typ	e: Grab			
Department / Test / Parameter	Result	Units	Method	R.L.	DF	Prep Date	Ву	Analysis Date	Ву
<u>Metals</u>									
Lead	1.16	μg/L	EPA 200.8	1.00	1	09/22/21	JED	09/30/21 15:58	MKR
Sample Number: 1I04597-03		Site: HHES-1FL-S-RM 10	05	Samp	le ID:	RM 105			
Collector: NPA		Collect Date: 09/16/2021	3:57 pm	Samp	le Typ	e: Grab			
Department / Test / Parameter	Result	Units	Method	R.L.	DF	Prep Date	Ву	Analysis Date	Ву
<u>Metals</u>									
Lead	< 1.00	μg/L	EPA 200.8	1.00	1	09/22/21	JED	09/30/21 16:00	MKR
Sample Number: 1I04597-04		Site: HHES-1FL-S-Rm 10)4	Samp	le ID:	Rm 104			
Collector: NPA		Collect Date: 09/16/2021	3:58 pm	Samp	le Typ	e: Grab			
Department / Test / Parameter	Result	Units	Method	R.L.	DF	Prep Date	Ву	Analysis Date	Ву
<u>Metals</u>									
Lead	< 1.00	μg/L	EPA 200.8	1.00	1	09/22/21	JED	09/30/21 16:03	MKR
Sample Number: 1I04597-05		Site: HHES-1FL-DW-Hall	o/s Main Office 1	Samp	le ID:	Hall o/s	Main C	Office 1	
Collector: NPA		Collect Date: 09/16/2021	3:59 pm	Samp	le Typ	e: Grab			
Department / Test / Parameter	Result	Units	Method	R.L.	DF	Prep Date	Ву	Analysis Date	Ву
Metals									
 Lead	< 1.00	μg/L	EPA 200.8	1.00	1	09/22/21	JED	09/30/21 16:06	MKR

Report Generated On: 10/05/2021 11:57 am 1104597

> STL_Results Revision #1.9 Effective: 04/16/2020







Sample Number: 1I04597-0	6	Site: HHES-1FL-B-Hall o/s Collect Date: 09/16/2021		Samp Samp		Rm 112 e: Grab			
Department / Test / Parameter	Result	Units	Method	R.L.	DF	Prep Date	Ву	Analysis Date	Ву
<u>Metals</u>									
Lead	< 1.00	μg/L	EPA 200.8	1.00	1	09/22/21	JED	10/01/21 18:48	RPV
Sample Number: 1I04597-0 Collector: NPA	7	Site: HHES-1FL-FS-Teach Collect Date: 09/16/2021	5 (,	Samp Samp		Teacher e: Grab	s Loun	ge (205)	
Department / Test / Parameter	Result	Units	Method	R.L.	DF	Prep Date	Ву	Analysis Date	Ву
Metals									
Lead	1.27	μg/L	EPA 200.8	1.00	1	09/22/21	JED	10/01/21 18:51	RPV
Sample Number: 1I04597-0		μg/L Site: HHES-1FL-DW-Hall Collect Date: 09/16/2021	o/s Rm 210	Samp	le ID:	09/22/21 Rm 210 e: Grab		10/01/21 18:51	RPV
Sample Number: 1I04597-0		Site: HHES-1FL-DW-Hall	o/s Rm 210	Samp	le ID:	Rm 210		10/01/21 18:51 Analysis Date	RPV By

Sample Receipt Conditions:

All samples met the sample receipt requirements for the relevant analyses.

The test pH, Lab is performed in the Laboratory as soon as possible. These results are not appropriate for compliance with NPDES, SDWA, or other regulatory programs that require analysis within 15 minutes of sample collection and should be considered for informational purposes only.

*pH, Final for ASTM leachate is performed by method SM 4500-H-B.

All results meet the requirements of STL's TNI (NELAC) Accredited Quality System unless otherwise noted. If your results contain any data qualifiers or comments, you should evaluate useability relative to your needs.

If collectors initials include "STL", samples have been collected in accordance with STL SOP SL0015.

All results reported on an As Received (Wet Weight) basis unless otherwise noted.

This laboratory report may not be reproduced, except in full, without the written approval of STL.

Results are considered Preliminary unless report is signed by authorized representative of STL.

Reviewed and Released By:

Lisa F. Care Project Manager II

> Report Generated On: 10/05/2021 11:57 am 1104597

Sin Care

STL Results Revision #1.9 Effective: 04/16/2020





Lisa F. Care

SUBURBAN TESTING LASS

1037F MacArthur Road, Reading, PA 19605

24hr 48hr 72hr Other

TESTING LABS

610-375-TEST - Fax: 610-375-4090 - suburban testinglabs.com

Client Name: Address:		Westchester Environmental LLC.						Project Name:	Highlands Elementary School					
		1248 Wrights Lane		Phone:	610-431-7545		Address:	Highlands Elementary						
		West Chester, PA 1	19380			nabraham@westchesteren								
Conta	ct Name:	Noel Abraham Email: vironmental.com Payment / P.O. Info:												
Comm	nents:	7470 11 18 18 2 2 1 1 1 1 1			.4									
Flush / First Draw		Location Code	Date Sampled	Time	Samplers Initials	Westchester Field Sample #	Te	ests Requested	Bottle Quantity	Matrix	Sample Types	Bottle Type	Preservative	Sample Description / Site ID
POE	HHES-1	FL-POE-Boiler Rm - BR	09/16/21	03:55 PM	NPA	001	Pb	EPA 200.8	1	PW	G	Р	Н	Boiler Rm - BR
First	HHES-1	IFL-FP-Kitchen-1	09/16/21	03:56 PM	NPA	002	Pb	EPA 200.8	1	PW	G	Р	Н	Kitchen-1
First	HHES-1	IFL-S-Rm 105	09/16/21	03:57 PM	NPA	003	Pt	EPA 200.8	1	PW	G	Р	Н	Rm 105
First	HHES-1	IFL-S-Rm 104	09/16/21	03:58 PM	NPA	004	PŁ	EPA 200.8	1	PW	G	Р	Н	Rm 104
First	HHES-1	IFL-DW-Hall o/s Main	09/16/21	03:59 PM	NPA	005	Pb	EPA 200.8	1	PW	G	Р	Н	Hall o/s Main Office 1
First	HHES-1	IFL- B-Hall o/s Rm 112	09/16/21	04:00 PM	NPA	006	Pb	EPA 200.8	1	PW	G	Р	Н	Hall o/s Rm 112
First	HHES-1	FL-FS-Teachers Lour	09/16/21	04:01 PM	NPA	007	Pb	EPA 200.8	1	PW	G	Р	Н	Teachers Lounge (205)
First	HHES-1	FL-DW-Hall o/s Rm 2	09/16/21	04:02 PM	NPA	800	Pb	EPA 200.8	1	PW	G	Р	Н	Hall o/s Rm 210
						-								

Received By:

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Date: 9/21/21 Temp °C: 24 °C

Time:/ 7100Acceptable N

Date: 9:00 Time: 17:00 Acceptable N

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	Sample Type Key SWOA flames. Type	
	G - Gentr B - Dentituden G - Entry Point G HC - 6 Hour R - Prox Generation	
Technical Commission Commission	Congressio	CO = Cathyre NA = Noise Noise Respulsed
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