



**WARREN HILLS REGIONAL SCHOOLS
LEAD IN DRINKING WATER
POST REMEDIATION SAMPLING REPORT**

PERFORMED FOR:

WARREN HILLS REGIONAL SCHOOLS
89 BOWERSTOWN ROAD
WASHINGTON, NJ 07882

PERFORMED BY:

WESTCHESTER ENVIRONMENTAL LLC
1248 WRIGHTS LANE
WEST CHESTER, PA 19380

APRIL 2022



April 6, 2022

Mr. Anthony Sbriscia
Warren Hills Regional Schools
89 Bowerstown Road
Washington, NJ 07882

Re: LEAD IN DRINKING WATER REPORT- POST REMEDIATION SAMPLING

Dear Mr. Sbriscia;

Please find enclosed the report for the Lead in Drinking Water- Post Remediation Sampling conducted for Warren Hills Regional Schools.

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

Sincerely,

Westchester Environmental, LLC

A handwritten signature in black ink, appearing to read 'Noel Abraham', is written over a horizontal line.

Noel Abraham
Environmental Specialist

TABLE OF CONTENTS

WARREN HILLS REGIONAL SCHOOLS

1.0	INTRODUCTION.....	1
2.0	SUMMARY OF FINDINGS.....	2
3.0	SAMPLING AND ANALYSES.....	3
4.0	DISCUSSION & RECOMMENDATIONS.....	4
5.0	DISCLAIMER.....	5

Appendix I – Water Sampling Chain-of-Custody & Laboratory Reports



1.0

INTRODUCTION

Westchester Environmental, LLC was contracted by Mr. Anthony Sbriscia to conduct Post Remediation Drinking Water Sampling at the following Warren Hills Regional Schools:

1. Warren Hills Regional High School
2. Warren Hills Regional Middle School

The purpose of the post remediation sampling was to collect and analyze first draw water samples at locations that previously exceeded the lead action limit after remediation had been completed by the district. The objective of the testing was to assure that the remediation was successful.

The water sampling was performed on November 9, 2021 by Philip Conteh 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.

-END OF SECTION-



2.0

SUMMARY OF FINDINGS

First Draw samples were collected and submitted for lead analysis. Tables 1 and 2 below show the concentration of lead (parts per billion or microgram per liter) at each location sampled.

Table 1: Warren Hills Regional High School

	Location Code	Result (ppb)	Action Level (ppb)	Lead Hazard (Yes/No)
1	WHHS-1FL-FP-Kitchen 514C-6	388	15.5	Yes

Table 2: Warren Hills Regional Middle School

	Location Code	Result (ppb)	Action Level (ppb)	Lead Hazard (Yes/No)
1	ACK-FP-1 FL West Wall	<1.00	15.5	No

-END OF SECTION-



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".

Two (2) first draw samples were collected and analyzed after remediation at the location where the first draw or flush draw samples was reported to contain lead above the action level of 15.5 parts per billion (ppb).

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.

-END OF SECTION-



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 sample, one sample exceeded the action limit and one sample fell below the action limit. The remediation was successful in lowering in the lead concentration below the action limit for one location in the middle school and. The remediation was unsuccessful in the lowering the lead concentration in the high school.

-END OF SECTION-



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

A handwritten signature in black ink, appearing to read 'Noel Abraham', followed by a horizontal line.

Noel Abraham
Environmental Specialist

-END OF REPORT-



APPENDIX I

**LEAD IN DRINKING WATER SAMPLING
CHAINS-OF-CUSTODY & LAB REPORTS**



Results Report

Order ID: 1K03568

Westchester Environmental 1248 Wrights Lane West Chester, PA 19380 Attn: Noel Abraham	Project: Warren Hills Regional SD Warren Hills HS & MS Warren Hills, NJ Regulatory ID:
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Sample Number: 1K03568-01	Site: ACK-FP-1 FL West Wall	Sample ID: Middle School
Collector: NPA	Collect Date: 09/03/2021 9:00 am	Sample Type: Grab

Department / Test / Parameter	Result	Units	Method	R.L.	DF	Prep Date	By	Analysis Date	By
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Metals

Lead	< 1.00	g/L	EPA 200.8	1.00	1	11/15/21	JED	11/24/21 11:45	RPV
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Sample Number: 1K03568-02	Site: WHHS-1FL-FP-Kitchen 514C-6	Sample ID: High School
Collector: NPA	Collect Date: 09/03/2021 9:15 am	Sample Type: Grab

Department / Test / Parameter	Result	Units	Method	R.L.	DF	Prep Date	By	Analysis Date	By
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Metals

Lead	388	g/L	EPA 200.8	1.00	1	11/15/21	JED	11/24/21 14:02	RPV
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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: 11/29/2021 10:07 am 1K03568
 STL_Results Revision #1.9 Effective: 04/16/2020





1K03568
Lisa F. Care



Chain of Custody Record

1037F MacArthur Road, Reading, PA 19605
610-375-TEST - Fax: 610-375-4090 - suburbantestinglabs.com

TAT (Check One) Standard 24hr 48hr 72hr Other

Client Name:	Westchester Environmental LLC.		Project Name:	Warren Hills Regional SD
Address:	1248 Wrights Lane	Phone:	610-431-7545	
	West Chester, PA 19380	Email:	nabraham@westchesterenvironmental.com	
Contact Name:	Noel Abraham	Address:	Warren Hills HS & MS Warren Hills, NJ	
		Payment / P.O. Info:		

Comments:

Flush / First Draw	Location Code	Date Sampled	Time Sampled	Samplers Initials	Westchester Field Sample #	Tests Requested	Bottle Quantity	Matrix	Sample Types	Bottle Type	Preservative	Sample Description / Site ID
First	ACK-FP-1 FL West Wall	09/03/21	09:00 AM	NPA	001	Pb EPA 200.8	1	PW	G	P	H	Middle School
First	WHHS-1FL-FP-Kitchen 514C-6	09/03/21	09:15 AM	NPA	002	Pb EPA 200.8	1	PW	G	P	H	High School

Relinquished by:

Received By:

Relinquished by:

Received in Lab By:

Date: 11/12/21

Time: 13:00

Date: 11-12-21 Temp °C: 22.4

Time: 1530 Acceptable Y/N

Date: 11-12-21 Temp °C: 15.8

Time: 1712 Acceptable Y/N

Date: 11/12/21 Temp °C: 13.8

Time: 1712 Acceptable Y/N

1517049

Sample Conditions	Matrix Key	Bottle Type Key
Submitted w/ COC <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	NPW = Non-Potable Water	P = Plastic
Number of Containers match number on container? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	Solid = Raw Sludge, Dewatered Sludge, soil, etc. (reported as mg/l)	G = Glass
All containers intact <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	PW = Potable Water (not for SWDA compliance)	O = Other
Tests within holding times <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	SWDA = Safe Drinking Water Act Potable Sample	Preservative Key
40 ml. VOA vials free of headspace? <input type="checkbox"/> Y <input type="checkbox"/> N	Sample Type Key	H = Sodium Thiosulphate
	SWDA Sample Type	A = Ascorbic Acid
	G = Grab	H = HNO3
	8 HC = 8 Hour Composite	C = HCl
	D = Distribution	H2SO4
	E = Entry Point	O = Other
	R = Raw	None Required
	C = Check	
	S = Special	
	M = Maximum Residence	