



**Westchester
Environmental, LLC**

LEAD IN DRINKING WATER FRANKLIN BOROUGH, NJ SCHOOL DISTRICT POST-REMEDIATION SAMPLING REPORT

PERFORMED FOR:

**FRANKLIN BOROUGH SCHOOL DISTRICT
50 WASHINGTON AVE.
FRANKLIN, NJ 07416**

PERFORMED BY:

**WESTCHESTER ENVIRONMENTAL LLC
307 N WALNUT STREET
WEST CHESTER, PA 19380**

SEPTEMBER 2017



**Westchester
Environmental, LLC**

September 8, 2017

Mr. William Sabo,
B. A. / Board Secretary
Franklin Borough School District
50 Washington Ave
Franklin, NJ 07416

Re: POST-REMEDIATION LEAD IN DRINKING WATER REPORT

Dear Mr. Sabo;

Please find enclosed the report for the Lead in Drinking Water Post-Remediation sampling conducted for the Franklin Borough School District.

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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FRANKLIN BOROUGH SCHOOL DISTRICT

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1.0 INTRODUCTION

Westchester Environmental, LLC was contracted to conduct Post-Remediation Water Sampling for Lead at the Westwood Regional School District.

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. A field blank was also collected at this time.

The water sampling was performed on August 24, 2017 by Paul F. McCaa of Westchester Environmental, LLC.

All samples were analyzed by Suburban Testing Labs located at 1037F 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. Table 1 below shows the concentration of lead (parts per billion or microgram per liter) at each location sampled.

Table 1 Westwood Regional School District

Field ID	Location	Result	Action Level	Lead Hazard
		ppb	ppb	Yes / No
FFE-GF--Field Blank	Field Blank	<1.00	15.5	No
FFE-GF-S-Men's	Men's	<1.00	15.5	No
FFE-GF-DW-Rm 110	Rm 110	1.99	15.5	No
FFE-MF-DW-Speech	Speech	9.98	15.5	No
FFE-Annex-DW-Rm A2	Rm A2	6.44	15.5	No
FFE-Annex-DW-Rm A8	Rm A8	2.85	15.5	No

-END OF SECTION-

3.0 SAMPLING AND ANALYSES

The following guidance documents were followed for all sampling:

1. The EPA's Revised Technical Guidance - "3Ts for Reduced Lead in Drinking Water in Schools"
2. The 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".
3. N.J.A.C. 6A:26 Educational Facilities drinking water regulations.
4. The districts Sampling Plan and QAPP.

Five (5) first draw samples were collected and analyzed after remediation at locations where first draw or flush draw samples were 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"

Based on laboratory analysis of the samples analyzed, all samples fell below the action limit. The remediation (replacement of the tap fixtures) was successful in lowering in the lead concentration below the action limit at those fixtures.

The type of samples collected for this assessment is 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.

-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: 7084986

Westchester Environmental
307 North Walnut Street
West Chester, PA 19380

Project: Franklin, NJ SD - Franklin ES
50 Washington Avenue
Franklin, NJ 07416

Attn: Westchester Environmental

Regulatory ID:

Sample Number: 7084986-01
Collector: PFM

Site: FFE-GF--Field Blank
Collect Date: 08/24/2017 8:35 am

Sample ID:
Sample Type: S

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

Lead < 1.00 µg/L EPA 200.8 1.00 1 08/25/17 RPV 09/06/17 17:14 RPV

Sample Number: 7084986-02
Collector: PFM

Site: FFE-GF-S-Men's
Collect Date: 08/24/2017 8:42 am

Sample ID:
Sample Type: S

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

Lead < 1.00 µg/L EPA 200.8 1.00 1 08/25/17 RPV 09/06/17 17:16 RPV

Sample Number: 7084986-03
Collector: PFM

Site: FFE-GF-DW-Rm 110
Collect Date: 08/24/2017 8:47 am

Sample ID:
Sample Type: S

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

Lead 1.99 µg/L EPA 200.8 1.00 1 08/25/17 RPV 09/06/17 17:22 RPV

Sample Number: 7084986-04
Collector: PFM

Site: FFE-MF-DW-Speech
Collect Date: 08/24/2017 8:50 am

Sample ID:
Sample Type: S

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

Lead 9.98 µg/L EPA 200.8 1.00 1 08/25/17 RPV 09/06/17 17:26 RPV

Sample Number: 7084986-05
Collector: PFM

Site: FFE-Annex-DW-Rm A2
Collect Date: 08/24/2017 8:45 am

Sample ID:
Sample Type: S

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

Lead 6.44 µg/L EPA 200.8 1.00 1 08/25/17 RPV 09/06/17 17:28 RPV

Report Generated On: 09/07/2017 4:50 pm
STL_Results Revision #1.6

7084986
Effective: 07/09/2014



Sample Number: 7084986-06	Site: FFE-Annex-DW-Rm A8	Sample ID:
Collector: PFM	Collect Date: 08/24/2017 8:35 am	Sample Type: S

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

Lead	2.85	µg/L	EPA 200.8	1.00	1	08/25/17	RPV	09/06/17 17:30	RPV
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Sample Number: 7084986-07	Site: Laboratory Control Sample	Sample ID:
Collector:	Collect Date: 08/25/2017 12:00 am	Sample Type:

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

Lead	14.7	µg/L	EPA 200.8	1.00	1	08/25/17	RPV	09/06/17 17:33	RPV
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Sample Number: 7084986-08	Site: Laboratory Control Sample Duplicate	Sample ID:
Collector:	Collect Date: 08/25/2017 12:00 am	Sample Type:

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

Lead	14.6	µg/L	EPA 200.8	1.00	1	08/25/17	RPV	09/06/17 17:35	RPV
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Sample Receipt Conditions:

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

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:

Alana Kopicz
Project Manager

Report Generated On: 09/07/2017 4:50 pm 7084986
STL_Results Revision #1.6 Effective: 07/09/2014



7084986
Alana Kopicz



TESTING LABS

1037F MacArthur Road, Reading, PA 19605
testinglabs.com

610-376-1151

Standard

Client Name: Westchester Environmental LLC.

Address: 307 N. Walnut Street

West Chester, PA 19380

Contact Name: Paul McCaa

Project Name: Franklin Borough

Facility: Franklin Elementary

Address: 50 Washington Avenue

City, State: Franklin, NJ 07416

Phone: 484-894-4841

Fax:

Email: mccaapaul@gmail.com

Comments:

Sample-Description #Site-ID	Date Sampled	Time Sampled	Samplers Initials	NJDEP TAG CODE	Tests Requested	Bottle Quantity	Matrix	Sample Types	Bottle Type	Preservative	Sample #
First Draw FFE-GF--Field Blank	08/24/17	08:35 AM	PFM	FFE-GF--Field Blank	Pb EPA 200.8	1	PW	G	P	H	152001
First Draw FFE-GF-S-Men's	08/24/17	08:42 AM	PFM	FFE-GF-S-Men's	Pb EPA 200.8	1	PW	G	P	H	002
First Draw FFE-GF-DW-Rm 110	08/24/17	08:47 AM	PFM	FFE-GF-DW-Rm 110	Pb EPA 200.8	1	PW	G	P	H	003
First Draw FFE-MF-DW-Speech	08/24/17	08:50 AM	PFM	FFE-MF-DW-Speech	Pb EPA 200.8	1	PW	G	P	H	004
First Draw FFE-Annex-DW-Rm A2	08/24/17	08:45 AM	PFM	FFE-Annex-DW-Rm A2	Pb EPA 200.8	1	PW	G	P	H	005
First Draw FFE-Annex-DW-Rm A8	08/24/17	08:35 AM	PFM	FFE-Annex-DW-Rm A8	Pb EPA 200.8	1	PW	G	P	H	006
First Draw											
First Draw											
First Draw											
First Draw											
First Draw											
First Draw											

Relinquished by: Paul McCaa

Date: 8/24/2017

Time:

Date: 8/25/17 Temp °C: 17.6

Time: 9:30 Acceptable Y/N

Date: 8/25/17 Temp °C: 42.3

Time: 1:51 Acceptable Y/N

Date: 8-25-17 Temp °C:

Time: 1:51 Acceptable Y/N

Received in Lab By:

Paul McCaa

<p>Submitted w/ COC</p> <p>Number of containers match number on COC?</p> <p>All containers intact</p> <p>Tests within holding times</p> <p>40 mL VOA vials free of headspace?</p>		<p>Sample Conditions</p> <p>Y/N</p> <p>Y/N</p> <p>Y/N</p> <p>Y/N</p> <p>Y/N</p>		<p>Matrix Key</p> <p>NPW = Non-Potable Water</p> <p>Solid = Raw Sludge, Dewatered Sludge, soil, etc. (reported as mg/l)</p> <p>PW = Potable Water</p> <p>SWDA = Safe Drinking Water Act, Potable Sample</p> <p>Sample Type Key</p> <p>G = Grab</p> <p>8 HC = 8 Hour Composite</p> <p>24 HC = 24 Hour Composite</p>		<p>Bottle Type Key</p> <p>P = Plastic</p> <p>G = Glass</p> <p>O = Other</p> <p>Preservative Key</p> <p>H = Sodium Thiosulfate</p> <p>A = Ascorbic Acid</p> <p>C = HNO3</p> <p>S = H2SO4</p> <p>OH = NaOH</p> <p>O = Other</p> <p>NA = None Required</p>		<p>Reporting options</p> <p>SWDA Reporting</p> <p>SID</p> <p>Fax</p> <p>Email</p> <p>Other</p> <p>Return a copy of this form with Report</p>	
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