



**Westchester
Environmental, LLC**

**LEAD IN DRINKING WATER
POST-REMEDIATION REPORT
BUTLER PUBLIC SCHOOL DISTRICT**

PERFORMED FOR:
**BUTLER PUBLIC SCHOOL DISTRICT
38 BARTHOLDI AVE.
BUTLER, NJ 07405**

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

MAY 2017



Westchester Environmental, LLC

May 26, 2017

Mrs. Barbara Murphy
School Business Administrator
Butler Public School District
38 Bartholdi Ave, HS Annex
Butler, NJ 07405

Re: LEAD IN DRINKING WATER PPOST-REMEDIATION REPORT

Dear Mrs. Murphy,

Please find enclosed the report for the Lead in Drinking Water Post Re-mediation sampling conducted for our Butler Public School District facilities.

If you have any questions, please contact me at 484-894-4841 or email me at pfmccaa@WestChesterEnvironmental.com.

Sincerely,

Westchester Environmental, LLC

Paul F. McCaa
Senior Environmental Specialist



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1.0 INTRODUCTION

Westchester Environmental, LLC was contracted by the Butler Public School District to conduct Drinking Water Sampling for Lead at district facilities in Butler, NJ.

The water sampling was performed on May 11, 2017 by Paul F. McCaa of Westchester Environmental, LLC.

The purpose of the assessment was to collect water samples at locations in the High School and the Richard Butler School that were identified by the district to be sampled following remediation activities and have them analyzed for lead levels in order to assess the effectiveness of the remediation.

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. The table below shows the concentration of lead (parts per billion or microgram per liter) at each sampled location.

Table 1 High School

Sample Number	Location	Result	Action Level	Over Limit
		ppb	ppb	Yes/No
7053101-01	Field Blank	<1.00	15.5	No
7053101-02	Hall o/s 124	3.74	15.5	No
7053101-03	Hall o/s 214	<1.00	15.5	No
7053101-04	Laboratory Control Sample	14.3	15.5	NA
7053101-05	Laboratory Control Sample Duplicate	14.4	15.5	NA

Table 2 Richard Butler

Sample Number	Location	Result	Action Level	Over Limit
		ppb	ppb	Yes/No
7053102-01	Field Blank	<1.00	15.5	No
7053102-02	Hall o/s 124	1.94	15.5	No
7053102-03	Laboratory Control Sample	14.2	15.5	NA
7053102-04	Laboratory Control Sample Duplicate	14.3	15.5	NA

-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".

250ml samples were collected from facilities at locations identified by district personnel. as follows:

High School: 2 first draw & 1 field blank

Richard Butler: 1 first draw & 1 field blank

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.

Laboratory analysis for this supplemental round of sampling indicates that lead levels in the water at the locations sampled were below the 15.5 ppb. NJDOE Action Level.

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

Paul F. McCaa

A handwritten signature in blue ink that reads 'Paul F. McCaa'.

Senior Environmental Specialist

-END OF REPORT-

APPENDIX I

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



Results Report

Order ID: 7053101

Westchester Environmental
307 North Walnut Street
West Chester, PA 19380

Project: Butler, NJ SD - High School
38 Bartholdi Avenue
Butler, NJ 07405

Attn: Westchester Environmental

Regulatory ID:

Sample Number: 7053101-01
Collector: PFM

Site: BHS-Field Blank
Collect Date: 05/11/2017 9:54 am

Sample ID: BHS-Field Blank
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 05/16/17 RPV 05/21/17 16:59 RPV

Sample Number: 7053101-02
Collector: PFM

Site: BHS-1FL- WC-Hall o/s 124
Collect Date: 05/11/2017 9:55 am

Sample ID: BHS-1FL- WC-Hall o/s 124
Sample Type: S

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

Lead 3.74 µg/L EPA 200.8 1.00 1 05/16/17 RPV 05/21/17 17:01 RPV

Sample Number: 7053101-03
Collector: PFM

Site: BHS-2FL- WC-Hall o/s 214
Collect Date: 05/11/2017 10:00 am

Sample ID: BHS-2FL- WC-Hall o/s 214
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 05/16/17 RPV 05/21/17 17:07 RPV

Sample Number: 7053101-04
Collector:

Site: Laboratory Control Sample
Collect Date: 05/15/2017 12:00 am

Sample ID:
Sample Type:

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

Lead 14.3 µg/L EPA 200.8 1.00 1 05/16/17 RPV 05/21/17 17:09 RPV

Sample Number: 7053101-05
Collector:

Site: Laboratory Control Sample Duplicate
Collect Date: 05/15/2017 12:00 am

Sample ID:
Sample Type:

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

Lead 14.4 µg/L EPA 200.8 1.00 1 05/16/17 RPV 05/21/17 17:11 RPV

Sample Receipt Conditions:

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

** This report has been Amended (Rev1) and replaces all previous reports for this order ID **

Report Generated On: 05/26/2017 4:59 pm
STL_Results Revision #1.6

7053101
Effective: 07/09/2014





SUBURBAN TESTING LABS

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.

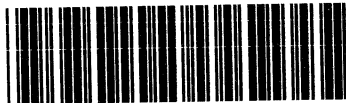
Results are considered Preliminary unless report is signed by authorized representative of STL.

Reviewed and Released By:

Alana Kopicz
Project Manager

Report Generated On: 05/26/2017 4:59 pm 7053101
STL_Results Revision #1.6 Effective: 07/09/2014





7053101
Alana Kopicz

Standard



TESTING LABS

1037F MacArthur

suburbantestinglabs.com

Client Name: Westchester Environmental LLC.			Project Name: Butler SD		
Address: 307 N. Walnut Street		Phone: 484-894-4841	Facility: High School		
West Chester, PA 19380		Fax:	Address: 38 Bartholdi Avenue		
Contact Name: Paul McCaa	Email: mccaapaul@gmail.com		City, State: Butler, NJ 07405		

Comments:

Flush / First Draw	Sample Description / Site ID.	Date Sampled	Time Sampled	Samplers Initials	NJDEP TAG CODE	Tests Requested	Bottle Quantity	Matrix	Sample Types	Bottle Type	Preservative	Sample #
	BHS-Field Blank	05/11/17	09:54 AM	PFM	BHS-Field Blank	Pb EPA 200.8	1	PW	G	P	H	001 <i>pH < 2</i>
First Draw	BHS-1FL-WC-Hall o/s 124	05/11/17	09:55 AM	PFM	BHS-1FL-WC-Hall o/s 124	Pb EPA 200.8	1	PW	G	P	H	002 <i>pH < 2</i>
First Draw	BHS-2FL-WC-Hall o/s 214	05/11/17	10:00 AM	PFM	BHS-2FL-WC-Hall o/s 214	Pb EPA 200.8	1	PW	G	P	H	003 <i>pH < 2</i>

pH ✓ NB-STL 5/15/17

Relinquished by: Paul McCaa
Paul McCaa
 Date: 05/12/17
 Time:
 Received By: *Sarah Reyn*
 Date: 5/15/17 Temp °C: 10.5
 Time: 10:21 Acceptable N
 Relinquished by: *Sarah Reyn*
 Date: 5/15/17 Temp °C: 21.5
 Time: 1:14 Acceptable N
 Received in Lab By: *Ross Wilson*
 Date: 5/15/17 Temp °C:
 Time: 12:14 Acceptable N

Sample Conditions	Matrix Key	Bottle Type Key	Reporting options
Submitted w/ COC <input checked="" type="checkbox"/> Y/N	NPW = Non-Potable Water Solid = Raw Sludge, Dewatered Sludge, soil, etc. (reported as mg/l) PW = Potable Water (not for SWDA compliance) SWDA = Safe Drinking Water Act Potable Sample	P = Plastic G = Glass O = Other	SWDA Reporting SID <input type="checkbox"/> PW Fax <input type="checkbox"/> Email <input checked="" type="checkbox"/> X Other <input type="checkbox"/>
Number of containers match number on COC? <input checked="" type="checkbox"/> Y/N	Sample Type Key G = Grab 8 HC = 8 Hour Composite 24 HC = 24 Hour Composite	Preservative Key H = Sodium Thiosulphate A = Ascorbic Acid H = HNO3 C = HCl	Return a copy of this form with Report <input type="checkbox"/>
All containers intact <input checked="" type="checkbox"/> Y/N	SWDA Sample Type D = Distribution E = Entry Point R = Raw C = Check S = Special M = Maximum Residence	S = H2SO4 OH = NaOH O = Other NA = None Required	
Tests within holding times <input checked="" type="checkbox"/> Y/N			
40 ml. VOA vials free of headspace? <input type="checkbox"/> Y/N			



Results Report

Order ID: 7053102

Westchester Environmental
307 North Walnut Street
West Chester, PA 19380

Project: Butler, NJ SD - Richard Butler
30 Pearl Place
Butler, NJ 07405

Attn: Westchester Environmental

Regulatory ID:

Sample Number: 7053102-01
Collector: PFM

Site: Field Blank
Collect Date: 05/11/2017 12:00 am

Sample ID: BHS-Field Blank
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 05/16/17 RPV 05/21/17 17:13 RPV

Sample Number: 7053102-02
Collector: PFM

Site: HS Hall o/s 124
Collect Date: 05/11/2017 10:10 am

Sample ID: BHS-1FL-WC-Hall o/s 124
Sample Type: S

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

Lead 1.94 µg/L EPA 200.8 1.00 1 05/16/17 RPV 05/21/17 17:15 RPV

Sample Number: 7053102-03
Collector:

Site: Laboratory Control Sample
Collect Date: 05/15/2017 12:00 am

Sample ID:
Sample Type:

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

Lead 14.2 µg/L EPA 200.8 1.00 1 05/16/17 RPV 05/21/17 17:21 RPV

Sample Number: 7053102-04
Collector:

Site: Laboratory Control Sample Duplicate
Collect Date: 05/15/2017 12:00 am

Sample ID:
Sample Type:

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

Lead 14.3 µg/L EPA 200.8 1.00 1 05/16/17 RPV 05/21/17 17:22 RPV

Sample Receipt Conditions:

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

Report Generated On: 05/24/2017 4:32 pm
STL_Results Revision #1.6

7053102
Effective: 07/09/2014





SUBURBAN TESTING LABS

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.

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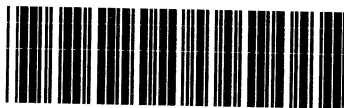
Results are considered Preliminary unless report is signed by authorized representative of STL.

Reviewed and Released By:

Alana Kopicz
Project Manager

Report Generated On: 05/24/2017 4:32 pm 7053102
STL_Results Revision #1.6 Effective: 07/09/2014





7053102
Alana Kopicz



TESTING LABS

1037F MacArthur Road, Reading, PA 19608
suburbantestinglabs.com

One) Standard

Client Name:	Westchester Environmental LLC.			Project Name:	Butler SD
Address:	307 N. Walnut Street	Phone:	484-894-4841	Facility:	Richard Butler
	West Chester, PA 19380	Fax:		Address:	30 Pearl Place
Contact Name:	Paul McCaa	Email:	mccaapaul@gmail.com	City, State:	Butler, NJ 07405

Comments:

Flush / First Draw	Sample Description / Site ID.	Date Sampled	Time Sampled	Sampler's Initials	NJDEP TAG CODE	Tests Requested	Bottle Quantity	Matrix	Sample Types	Bottle Type	Preservative	Sample #
	Field Blank	05/11/17	00:00	PFM	BHS-Field Blank	Pb EPA 200.8	1	PW	G	P	H	005 <i>PH 52</i>
First Draw	HS Hall o/s 124	05/11/17	10:10 AM	PFM	BHS-1FL-WC-Hall o/s 124	Pb EPA 200.8	1	PW	G	P	H	004 <i>PH 52</i>
				<i>AS per batch</i>								
				<i>RSM 05/15/17</i>								
				<i>PH ✓ (SUB-STL 5/15/17)</i>								

Relinquished by: Paul McCaa
Date: 05/12/17
Time: *10:21*

Received By: *Sarah Reyna* (2)
Date: *5/15/17* Temp °C: *16.5*
Time: *10:21* Acceptable: N

Relinquished by: *Sarah Reyna* (2)
Date: *5/15/17* Temp °C: *21.0*
Time: *1:14* Acceptable: N

Received in Lab By: *Ron McCaa*
Date: *5/15/17* Temp °C: *16.14*
Time: *1:14* Acceptable: Y/N

Sample Conditions	Matrix Key	Bottle Type Key	Reporting options
Submitted w/ COC <input checked="" type="checkbox"/> Y/N	NPW = Non-Potable Water	P = Plastic G = Glass O = Other	<input type="checkbox"/> SWDA Reporting SID PW
Number of containers match number on COC? <input checked="" type="checkbox"/> Y/N	Solid = Raw Sludge, Dewatered Sludge, soil, etc. (reported as mg/l) PW = Potable Water (not for SWDA compliance) SWDA = Safe Drinking Water Act Potable Sample	Preservative Key H = Sodium Thiosulphate	<input checked="" type="checkbox"/> Email
All containers intact <input checked="" type="checkbox"/> Y/N	Sample Type Key G = Grab 8 HC = 8 Hour Composite 24 HC = 24 Hour Composite	A = Ascorbic Acid H = HNO3 C = HCl S = H ₂ SO ₄ OH = NaOH O = Other NA = None Required	<input type="checkbox"/> Other
Tests within holding times <input checked="" type="checkbox"/> Y/N	D = Distribution E = Entry Point R = Raw C = Check S = Special M = Maximum Residence		<input type="checkbox"/> Return a copy of this form with Report
40 ml. VOA vials free of headspace? <input checked="" type="checkbox"/> Y/N			