



**ROXBURY PUBLIC SCHOOLS
LEAD IN DRINKING WATER
FLUSH DRAW SAMPLING REPORT**

PERFORMED FOR:

**ROXBURY PUBLIC SCHOOLS
42 NORTH HILLSIDE AVENUE
SUCCASUNNA, NJ 07876**

PERFORMED BY:

**WESTCHESTER ENVIRONMENTAL LLC
1248 WRIGHTS LANE
WEST CHESTER, PA 19380**

MAY 2022



May 27, 2022

Mr. Peter Riffel
Roxbury Public Schools
42 North Hillside Avenue
Succasunna, NJ 07876

Re: FLUSH DRAW LEAD IN DRINKING WATER REPORT

Dear Mr. Riffel;

Please find enclosed the report for the Lead in Drinking Water Flush Draw Sampling conducted for the Roxbury Public Schools.

If you have any questions, please don't hesitate to 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', followed by a horizontal line.

Noel Abraham
Environmental Specialist



TABLE OF CONTENTS

ROXBURY PUBLIC 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 Chains-of-Custody & Laboratory Reports



1.0 INTRODUCTION

Westchester Environmental, LLC was contracted by the Roxbury Public Schools to conduct Flush Draw Drinking Water Sampling at the Roxbury High School.

The purpose of the follow up flush sampling event was to collect flush draw water samples at those fixtures in the facilities where the initial first draw samples were reported to contain lead above the NJDEP action level of 15.5 parts per billion (ppb).

The water sampling was performed on April 25, 2022 by Chris Piccininni 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

Tables 1 compares the results of the flush sample to its corresponding first draw sample and also compares the FLUSH samples against the lead action limit. Those samples that exceeded the lead action limit are yellow highlighted in these tables.

Table 1: Roxbury High School

Location Code	First Draw Result (ppb)	Flush Draw Result (ppb)	Action Level (ppb)
1 RHS-KO-KITCHEN-04	59.3	<1.00	15.5

-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"

One (1) flush draw sample was collected and analyzed at the location where a first draw sample 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:

The EPA's Revised Technical Guidance - "3Ts for Reduced Lead in Drinking Water in Schools"

Based on laboratory analysis of the samples analyzed, the one (1) flush samples fell below the action limit.

Continue to discontinue use of any sample locations that exceeded the lead action limit either first draw or flush samples.

Refer to EPA's "for Reducing Lead in Drinking Water in Schools and Child Care Facilities" for other short term and long term suggested remediation measures and notification procedures. Refer to New Jersey Department of Education's reporting requirements. Sample locations that are remediated with intent to be put back in service should be re-tested after remediation to assure acceptable lead levels have been attained.

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: 2E01705

Westchester Environmental
1248 Wrights Lane
West Chester, PA 19380

Project: Roxbury School District-High School
1 Bryant Dr
Succasunna, NJ

Attn: Noel Abraham

Regulatory ID:

Sample Number: 2E01705-01
Collector: NPA

Site: RHS-KO-KITCHEN-04
Collect Date: 04/25/2022 5:45 am

Sample ID: Kitchen Faucet
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	µg/L	EPA 200.8	1.00	1	05/13/22	MKS	05/13/22 12:10	RPV
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Sample Receipt Conditions:

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

Units P/A = Present/Absent
Units P/F = Pass/Fail

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:

Timothy Swavely
Laboratory Director

Report Generated On: 05/19/2022 5:25 pm 2E01705
STL_Results Revision #2.0 Effective: 04/20/2022





Chain of Custody Record

TAT

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

Client Name:	Westchester Environmental LLC.	Project Name:	Roxbury School District
Address:	1248 Wrights Lane	Address:	Roxbury High School
	West Chester, PA 19380		1 Bryant Dr, Succasunna, NJ
Contact Name:	Noel Abraham	Email:	nabraham@westchesterenvironmental.com
		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
X First	RHS-KO-KITCHEN-04 <i>X = Pb 2 4-29-22 AB</i>	12/09/20 <i>04/25/22 per bottle 5/2/22 JFC</i>	05:45 AM	NPA	001	Pb EPA 200.8	1	PW	G	P	H	Kitchen Faucet

Relinquished by: *[Signature]*

Date: 4/29/22
Time: 8:20

Received By: *[Signature]*
Relinquished by: *[Signature]*

Date: 4-29-22
Temp °C: 10°C
Time: 1515 Acceptable N

Received in Lab By: *[Signature]*
CTB (1)

Date: 4-29-22
Temp °C: 3°C *ICE*
Time: 1620 Acceptable N
Date: 4-29-22
Temp °C: 3°C
Time: 1620 Acceptable N
Ice.

Sample Conditions	Matrix Key	Bottle Type Key
Submitted w/ COC <input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N	NFW = Non-Fixable Water	P = Plastic
Number of containers match number on COC? <input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N	Solid = Raw Sludge, Dewatered Sludge, etc. (reported as mg/L)	G = Glass
All containers intact? <input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N	PW = Potable Water (incl for SWDA compliance)	O = Other
Tests within holding time? <input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N	SWDA = Safe Drinking Water Act Potable Sample	Preservative Key
40-ml VOA vials free of headspace? <input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N	Sample Type Key	H = Sodium Thiosulfate
	G = Grab	A = Ascorbic Acid
	D = Distribution	H = HNO3
	E = Entry Point	C = HCl
	R = Flow Composite	Na2CO3
	C = Check	O = Other
	S = Spectral	Note Returned
	M = Maximum Resilience	