



**PLUMSTED SCHOOL DISTRICT  
LEAD IN DRINKING WATER  
FLUSH DRAW SAMPLING REPORT**

*PERFORMED FOR:*

**PLUMSTED SCHOOL DISTRICT  
117 EVERGREEN ROAD  
NEW EGYPT, NJ 08533**

*PERFORMED BY:*

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

APRIL 2022



April 20, 2022

Mr. Ed Novatkowski  
Plumsted Township School District  
131 Evergreen Road  
New Egypt, NJ 08533

**Re: FLUSH DRAW LEAD IN DRINKING WATER REPORT**

Dear Mr. Novatkowski;

Please find enclosed the report for the Lead in Drinking Water Flush Draw Sampling conducted for the Plumsted Township School District.

If you have any questions, please don't hesitate to contact me at 610-431-7545 or email me at [nabraham@WestChesterEnvironmental.com](mailto: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

## PLUMSTED SCHOOL DISTRICT

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 Plumsted Township School District to conduct Drinking Water Sampling at the following facilities:

1. Dr. Gerald H. Woehr Elementary
2. New Egypt Primary School
3. New Egypt Middle School
4. New Egypt 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 March 30, 2022 by Noel Abraham 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: Dr. Gerald H. Woehr Elementary

Location Code	First Draw Result (ppb)	Flush Draw Result (ppb)	Action Level (ppb)
1 PWE-1FL-KS-Kitchen-1	25.5	<1.00	15.5
2 PWE-1FL-WC-O/S Restrooms	19.0	<1.00	15.5
3 PWE-1FL-WC-O/S 300-1	72.6	11.9	15.5
PWE-1FL-WC-O/S 300-2	60.2	21.4	15.5

Table 2: New Egypt Primary

Location Code	First Draw Result (ppb)	Flush Draw Result (ppb)	Action Level (ppb)
1 PNEP-1FL-KS-Kitchen-2	16.7	<1.00	15.5
PNEP-1FL-WC-O/S Library-2	19.7	2.27	15.5
PNEP-1FL-B-Rm E	22.5	1.82	15.5
PNEP-1FL-B-Rm D	25.2	2.79	15.5

Table 2: New Egypt Middle

Location Code	First Draw Result (ppb)	Flush Draw Result (ppb)	Action Level (ppb)
1 PNEM-2FL-S-Rm 704	22.2	49.7	15.5

Table 2: New Egypt Primary

Location Code	First Draw Result (ppb)	Flush Draw Result (ppb)	Action Level (ppb)
1 PNEH-1FL-WC-O/S Trainer	33.3	1.06	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"

Ten (10) flush draw samples were collected and analyzed at the locations 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, two (2) flush sample exceeded the action limit and eight (8) flush sample 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: 2D01976

Westchester Environmental  
1248 Wrights Lane  
West Chester, PA 19380

Project: Plumsted  
117 Evergreen Rd  
New Egypt, NJ 08533

Attn: Noel Abraham

Regulatory ID:

Sample Number: 2D01976-01  
Collector: NPA

Site: PWE-1FL-KS-Kitchen-1  
Collect Date: 03/30/2022 7:05 am

Sample ID:  
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 04/04/22 MKR 04/07/22 14:07 MKR

Sample Number: 2D01976-02  
Collector: NPA

Site: PWE-1FL-WC-O/S Restrooms  
Collect Date: 03/30/2022 7:06 am

Sample ID:  
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 04/04/22 MKR 04/07/22 14:09 MKR

Sample Number: 2D01976-03  
Collector: NPA

Site: PWE-1FL-WC-O/S 300-1  
Collect Date: 03/30/2022 7:09 am

Sample ID:  
Sample Type: Grab

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

Lead 11.9 µg/L EPA 200.8 1.00 1 04/04/22 MKR 04/07/22 14:01 MKR

Sample Number: 2D01976-04  
Collector: NPA

Site: PWE-1FL-WC-O/S 300-2  
Collect Date: 03/30/2022 7:10 am

Sample ID:  
Sample Type: Grab

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

Lead 21.4 µg/L EPA 200.8 1.00 1 04/04/22 MKR 04/07/22 14:15 MKR

Sample Number: 2D01976-05  
Collector: NPA

Site: PNEP-1FL-KS-Kitchen-2  
Collect Date: 03/30/2022 7:20 am

Sample ID:  
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 04/04/22 MKR 04/07/22 14:17 MKR

Report Generated On: 04/08/2022 2:46 pm 2D01976  
STL\_Results Revision #1.9 Effective: 04/16/2020





Sample Number: 2D01976-06	Site: PNEP-1FL-WC-O/S LIBRARY 2	Sample ID:
Collector: NPA	Collect Date: 03/30/2022 7:22 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	2.27	µg/L	EPA 200.8	1.00	1	04/04/22	MKR	04/07/22 14:18	MKR
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Sample Number: 2D01976-07	Site: PNEP-1FL-B-Rm E	Sample ID:
Collector: NPA	Collect Date: 03/30/2022 7:24 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	1.82	µg/L	EPA 200.8	1.00	1	04/04/22	MKR	04/07/22 14:20	MKR
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Sample Number: 2D01976-08	Site: PNEP-1FL-B-Rm D	Sample ID:
Collector: NPA	Collect Date: 03/30/2022 7:25 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	2.79	µg/L	EPA 200.8	1.00	1	04/04/22	MKR	04/07/22 14:22	MKR
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Sample Number: 2D01976-09	Site: PNEM-2FL-S-Rm 704	Sample ID:
Collector: NPA	Collect Date: 03/30/2022 7:35 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	49.7	µg/L	EPA 200.8	1.00	1	04/04/22	MKR	04/07/22 14:10	MKR
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Sample Number: 2D01976-10	Site: PNEH-1FL-WC-O/S Trainer	Sample ID:
Collector: NPA	Collect Date: 03/30/2022 7:45 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	1.06	µg/L	EPA 200.8	1.00	1	04/04/22	MKR	04/07/22 13:45	MKR
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**Sample Receipt Conditions:**

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

Report Generated On: 04/08/2022 2:46 pm      2D01976  
 STL\_Results Revision #1.9      Effective: 04/16/2020





# SUBURBAN TESTING LABS

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: 04/08/2022 2:46 pm 2D01976  
STL\_Results Revision #1.9 Effective: 04/16/2020





2D01976  
Lisa F. Care



### Chain of Custody Record

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

1 hr (check only)

Standard

24hr

48hr

72hr

Other

Client Name:	Westchester Environmental LLC.			Project Name:	Plumsted SD
Address:	1248 Wrights Lane	Phone:	610-883-3839	Address:	Multiple Facilities
	West Chester, PA 19380	Email:	nabraham@westchesterenvironmental.com		117 Evergreen Rd, New Egypt, NJ 08533
Contact Name:	Noel Abraham			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
Flush	PWE-1FL-KS-Kitchen-1	03/30/22	07:05 AM	NPA	001	Pb EPA 200.8	1	PW	G	P	H	0
Flush	PWE-1FL-WC-O/S Restrooms	03/30/22	07:06 AM	NPA	002	Pb EPA 200.8	1	PW	G	P	H	0
Flush	PWE-1FL-WC-O/S 300-1	03/30/22	07:09 AM	NPA	003	Pb EPA 200.8	1	PW	G	P	H	0
Flush	PWE-1FL-WC-O/S 300-2	03/30/22	07:10 AM	NPA	004	Pb EPA 200.8	1	PW	G	P	H	0
Flush	PNEP-1FL-KS-Kitchen-2	03/30/22	07:20 AM	NPA	005	Pb EPA 200.8	1	PW	G	P	H	0
Flush	PNEP-1FL-WC-O/S Library-2	03/30/22	07:22 AM	NPA	006	Pb EPA 200.8	1	PW	G	P	H	0
Flush	PNEP-1FL-B-Rm E	03/30/22	07:24 AM	NPA	007	Pb EPA 200.8	1	PW	G	P	H	0
Flush	PNEP-1FL-B-Rm D	03/30/22	07:25 AM	NPA	008	Pb EPA 200.8	1	PW	G	P	H	0
Flush	PNEP-2FL-S-Rm 704	03/30/22	07:35 AM	NPA	009	Pb EPA 200.8	1	PW	G	P	H	0
Flush	PNEH-1FL-WC-O/S Trainer	03/30/22	07:45 AM	NPA	010	Pb EPA 200.8	1	PW	G	P	H	0

(10) 350 ml P HNO<sub>3</sub> - pH 2.2 CMV 4/1/22

Relinquished by: *[Signature]* Date: 3/31/22 Time: 17:00

Received By: *[Signature]* Date: 4/1/22 Temp °C: 18.5° C Time: 0942 Acceptable  N

Relinquished by: *[Signature]* Date: 4/1/22 Temp °C: 18.3° C Time: 1133 Acceptable  N

Received in Lab By: *[Signature]* Date: 4/1/22 Temp °C: 18.3° C Time: 1133 Acceptable  N

CMV (10)

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 COC? <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	<b>Preservative Key</b>
40 ml. VOA vials free of headspace? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<b>Sample Type Key</b>	H = Sodium Thiosulphate
	G = Grab	Acid
	8 HC = 8 Hour Composite	A = Ascorbic Acid
	E = Entry Point	H = HNO <sub>3</sub>
	R = Raw	C = HCl
	C = Check	S =
	S = Special	H <sub>2</sub> SO <sub>4</sub>
	M = Maximum Residence	O = Other
		OH = NaOH
		None Required
		NA =