



**GREAT MEADOWS  
LEAD IN DRINKING WATER  
FLUSH DRAW SAMPLING REPORT**

*PERFORMED FOR:*

**GREAT MEADOWS SCHOOL DISTRICT  
PO BOX 74  
GREAT MEADOWS, NJ 07838**

*PERFORMED BY:*

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

**JANUARY 2022**



February 4, 2022

Mr. David White  
Great Meadows School District  
PO Box 74  
Great Meadows, NJ 07838

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

Dear Mr. White;

Please find enclosed the report for the Lead in Drinking Water Flush Draw Sampling conducted for the Great Meadows 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', followed by a horizontal line.

Noel Abraham  
Environmental Specialist



# TABLE OF CONTENTS

## GREAT MEADOWS 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 Great Meadows School District to White to conduct Flush Draw Drinking Water Sampling at the following Great Meadows School District facilities:

1. Central Elementary 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 December 27, 2021 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: Central Elementary School

Location Code	First Draw Result (ppb)	Flush Draw Result (ppb)	Action Level (ppb)
1 GMCS-1FL-FP-KITCHEN-2	33.7	<1.00	15.5
2 GMCS-1FL-S-ROOM 113	88.1	<1.00	15.5
3 GMCS-1FL-S-ROOM 112	35.4	1.59	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"

Three (3) flush draw samples were 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 three (3) 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', written over 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: 2A02174

Westchester Environmental  
1248 Wrights Lane  
West Chester, PA 19380

Project: Great Meadows SD - Central School  
281 Route 46  
Great Meadows, NJ 07838

Attn: Noel Abraham

Regulatory ID:

Sample Number: 2A02174-01  
Collector: NPA

Site: GMCS-1FL-FP-KITCHEN-2  
Collect Date: 12/27/2021 9:01 am

Sample ID: KITCHEN-2  
Sample Type:

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

Metals

Lead	< 1.00	µg/L	EPA 200.8	1.00	1	01/06/22	JED	01/13/22 16:36	MKR
------	--------	------	-----------	------	---	----------	-----	----------------	-----

Sample Number: 2A02174-02  
Collector: NPA

Site: GMCS-1FL-S-ROOM 113  
Collect Date: 12/27/2021 9:03 am

Sample ID: ROOM 113  
Sample Type:

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

Metals

Lead	< 1.00	µg/L	EPA 200.8	1.00	1	01/06/22	JED	01/13/22 13:37	MKR
------	--------	------	-----------	------	---	----------	-----	----------------	-----

Sample Number: 2A02174-03  
Collector: NPA

Site: GMCS-1FL-S-ROOM 112  
Collect Date: 12/27/2021 9:04 am

Sample ID: ROOM 112  
Sample Type:

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

Metals

Lead	1.59	µg/L	EPA 200.8	1.00	1	01/06/22	JED	01/13/22 16:37	MKR
------	------	------	-----------	------	---	----------	-----	----------------	-----

**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.

Report Generated On: 01/14/2022 4:34 pm

2A02174

STL\_Results Revision #1.9

Effective: 04/16/2020

**SUBURBAN TESTING LABS**

1037F MacArthur Road, Reading, PA 19605

Phone: 610-375-TEST

Fax: 610-375-4090

suburbantestinglabs.com



PA DEP # 06-00208  
NJDEP# PA081



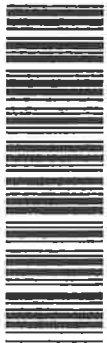
# SUBURBAN TESTING LABS

**Reviewed and Released By:**

Lisa F. Care  
Project Manager II

Report Generated On: 01/14/2022 4:34 pm 2A02174  
STL\_Results Revision #1.9 Effective: 04/16/2020





2A02174  
Lisa F. Care

TESTING LABS

TESTING LABS

Chain of Custody Record

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

COC Pg 1

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

Client Name: **Westchester Environmental LLC.** Project Name: **Great Meadows SD**  
 Address: **1248 Wrights Lane** Central School  
**West Chester, PA 19380** 281 Route 46, Great Meadows, NJ 07838  
 Contact Name: **Noel Abraham** Email: **nabraham@westchesterenviromental.com** Payment / P.O. Info:

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
	GMCS-1FL-FP-KITCHEN-2	12/27/21	09:01 AM	NPA	001	Pb EPA 200.8	1	PW	G	P	H	KITCHEN-2
	GMCS-1FL-S-ROOM 113	12/27/21	09:03 AM	NPA	002	Pb EPA 200.8	1	PW	G	P	H	ROOM 113
	GMCS-1FL-S-ROOM 112	12/27/21	09:04 AM	NPA	003	Pb EPA 200.8	1	PW	G	P	H	ROOM 112

Comments:

Relinquished by: *[Signature]* Date: 1/5/22 Time: 10:14 Temp °C: 19.3 °C  
 Received by: *Amy Dewiney* (3) Acceptable Y/N COPIER  
 Relinquished by: *Amy Dewiney* (3) Date: 1/5/22 Time: 14:55 Temp °C: 17.7 °C  
 Received by: *[Signature]* (3) Acceptable Y/N COPIER  
 Received in Lab By: *[Signature]* (3) Date: 1/12/22 Time: 14:55 Temp °C: 17.7 °C  
 Acceptable Y/N COPIER

Sample Conditions	Matrix Key	Bottle Type Key
Submitted w/ COC <u>Y/N</u>	NPW = Non-Probable Water Solid = Raw Sludge, Dewatered Sludge, soil, etc. (reported as mp/l) PW = Probable Water (not for SWDA compliance) SWDA = Safe Drinking Water Act Probable Sample Sample Type Key, SWDA Sample Type G = Grab B HC = 8 Hour Composite 24 HC = 24 Hour Composite	P = Plastic G = Glass O = Other Preservative Key H = Sodium Thiosulfate A = Ascorbic Acid H = HNDOS C = HCl H <sub>2</sub> SO <sub>4</sub> OH = NaOH NA = None Required
Initials on containers match purchase tag (CAC-2) <u>Y/N</u>	L = Distribution E = Empty Bottle R = Raw C = Check S = Special M = Maximum Resistance	
All containers intact <u>Y/N</u>		
Tests within holding times <u>Y/N</u>		
40 ml YOA vials free of headspace? <u>Y/N</u>		

*(3) 250 ml P W / H1023*