



**GREAT MEADOWS SCHOOL DISTRICT
LEAD IN DRINKING WATER
POST REMEDIATION 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**

MAY 2022



May 13, 2022

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

Re: LEAD IN DRINKING WATER REPORT- POST REMEDIATION SAMPLING

Dear Mr. White;

Please find enclosed the report for the Lead in Drinking Water- Post Remediation Sampling conducted for Great Meadows 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

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 Chain-of-Custody & Laboratory Reports



1.0 INTRODUCTION

Westchester Environmental, LLC was contracted by Mr. David White to conduct Drinking Water Sampling at the following Great Meadows School District facilities:

1. Central Elementary School

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.

The water sampling was performed on April 8, 2022 by Noel Abraham of Westchester Environmental, LLC.

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. Table 1 below shows the concentration of lead (parts per billion or microgram per liter) at each location sampled.

Table 1: Central Elementary

Location Code	Result (ppb)	Action Level (ppb)	Lead Hazard (Yes/No)
1 GMCS-1FL-FP-KITCHEN-2	<1.00	15.5	No

-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) first draw sample was collected and analyzed after remediation at the location where the first draw or flush draw samples 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:

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".

Based on a laboratory analysis after the first draw sample, the remediation was successful in lowering in the lead concentration below the action limit for one (1) location in Central Elementary.

-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

Two handwritten signatures in black ink, one appearing to be 'Noel' and the other 'Abraham'.

Noel Abraham
Environmental Specialist

-END OF REPORT-

APPENDIX I

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



Results Report

Order ID: 2D04119

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: 2D04119-01
Collector: NPA

Site: GMCS-1FL-FP-Kitchen-2
Collect Date: 04/08/2022 9:01 am

Sample ID: KITCHEN-2
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	04/25/22	RPV	04/25/22 14:14	MKR
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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:

Lisa F. Care
Project Manager II

Report Generated On: 04/26/2022 2:26 pm 2D04119
STL_Results Revision #1.9 Effective: 04/16/2020





2D04119
Lisa F. Care



Chain of Custody Record

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

TAT (Check)

Client Name:	Westchester Environmental LLC.			Project Name:	Great Meadows SD		
Address:	1248 Wrights Lane	Phone:	610-431-7545	Address:	Central School		
	West Chester, PA 19380	Email:	nabraham@westchesterenviromental.com		281 Route 46, Great Meadows, NJ 07838		
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
First	GMCS-1FL-FP-KITCHEN-2	04/08/22	09:01 AM	NPA	001	Pb EPA 200.8	1	PW	G	P	H	KITCHEN-2
<i>PW pickup - standard ✓ EB SN 4/11/22</i>												

Relinquished by:

[Signature]

Date: 4/13/22

Time: 17:00

Received By:

[Signature] 2 coolers 1 bag

Date: 4/14/22 Temp °C: 22.6°C

Time: 19:30 Acceptable Y/N

Relinquished by:

[Signature] 2 coolers 1 bag

Date: 4/11/22 Temp °C: 24.1

Time: 15:50 Acceptable Y/N

Received in Lab By:

Date: Temp °C: Acceptable Y/N

Sample Conditions	Matrix Key	Bottle Type Key
Submitted w/ COC Y/N	NFW = Non-Potable Water SWS = Raw Sludge, Dewatered Sludge, etc. (reported as mg/l)	P = Plastic G = Glass O = Other
Labels on containers match number on COC? Y/N	PW = Potable Water (not for SWDA compliance) SWDA = Safe Drinking Water Act Potable Sample	Preservative Key H = Sodium Thiosulfate A = Ascorbic Acid HNSO = HNSO S = SWS OH = NaOH NA = None Required
All containers intact Y/N	Sample Type Key G = Grab 8 HC = 8 Hour Composite 24 HC = 24 Hour Composite	SWDA Sample Type D = Distribution E = Entry Point R = Raw C = Clean S = Special M = Maximum Residual
Tests within holding times Y/N		
40 ml VDA vials free of headspace? Y/N		