MIDDLESEX COUNTY
STEM CHARTER SCHOOL

351 & 372 MECHANIC STREET
PERTH AMBOY, NJ

LEAD IN DRINKING WATER
SAMPLING REPORT

PERFORMED FOR:

MIDDLESEX COUNTY STEM CHARTER SCHOOL
613 CARLOCK AVENUE
PERTH AMBOY, NJ 08861

PERFORMED BY:

WESTCHESTER ENVIRONMENTAL LLC
1248 WRIGHTS LANE
WEST CHESTER, PA 19380

MAY 2026

May 26, 2026

Mr. David Master
Middlesex County STEM Charter School
613 Carlock Avenue
Perth Amboy, NJ 08861

Re: Lead In Drinking Water Report – 351 & 372 Mechanic Street, Perth Amboy, NJ

Dear Mr. Master:

Please find enclosed the report for the lead in drinking water sampling conducted for the Middlesex County STEM Charter School. The sampling results are included in this report.

Based on the laboratory analysis, the concentration of lead in all the tested samples fell below the action limit; hence, the flush samples were not analyzed.

We appreciate your business and the confidence you have in us. If you have any questions, please don't hesitate to contact me at 610-431-7545 or email me at cpiccininni@westchesterenvironmental.com.

Sincerely,

Westchester Environmental, LLC

Christopher Piccininni
Environmental Specialist

TABLE OF CONTENTS

MIDDLESEX STEM CHARTER

1.0 EXECUTIVE SUMMARY

Westchester Environmental, LLC (WCE) was contracted by Mr. David Master of the Middlesex STEM Charter School to conduct lead in water testing for the 2025-2026 school year.

The water sampling was performed on April 25, 2026 by Christopher Piccininni of Westchester Environmental, LLC.

The objective of the sampling was to determine the lead in water levels associated with the charter school. During this visit, first draw and flush water samples were collected from the two locations below:

1. 351 Mechanic Street, Perth Amboy, NJ 08861
2. 372 Mechanic Street, Perth Amboy, NJ 08861

None of the first draw samples collected exceeded the lead action level of 15.5 microgram/liter (ug/L) or 15.5 parts per billion (ppb), based on the analysis of lead content using U.S. Environmental Protection Agency (EPA) Method 200.8 for lead in drinking water. Hence, the corresponding flush samples were not analyzed.

Immediate / Short Term Action Required:

1. No immediate action required

-END OF SECTION-

2.0 INTRODUCTION

The objective of the sampling was to determine the lead in water levels from faucets located within two different buildings found within the district. During this visit, first draw and flush drinking water samples were collected.

Lead in school drinking water continues to be a serious concern, with children in many schools potentially drinking water with dangerous levels of lead. Even when water entering a facility meets all federal and state public health standards for lead concentrations, older plumbing materials found in schools can contribute to elevated lead levels in the drinking water.

The New Jersey Department of Environmental Protection's (NJDEP) action level for lead in drinking water is set at 15. However, for the purposes of compliance, any concentration greater than 15 µg/L (as defined as greater than or equal to 15.5 µg/L) is considered to exceed the lead action level. If sampling exceeds the level, then the action will need to be taken.

The Environmental Protection Agency (EPA) itself states that 15 ug/L is not a health-based standard, but rather based on what is feasible for water systems to achieve. According to the EPA, given present technology and resources, this level is the lowest level to which water systems can reasonably be required to control this contaminant should it be present in drinking water.

On October 8, 2024, the EPA announced the finalization of key improvements to the Lead and Copper Rule (LCR), which introduces new regulations that will reshape how public water suppliers manage lead service lines. These changes are critical to protecting public health and will become effective in late 2027, three years after their publication.

One of the most significant changes is the reduction of the lead action level to 10 ug/L. Water systems that exceed this threshold must take immediate corrective actions, including notifying the public, implementing corrosion control treatments, and expediting lead service line replacement.

-END OF SECTION-

3.0 SAMPLING AND ANALYSES

During this sampling event, two point of entry samples, nine first draw samples, nine flush samples and one field blank were collected

All the collected samples were labeled with a unique identification number and transported to SPL for analysis of lead in drinking water using EPA Method 200.8. SPL located at 1037F MacArthur Rd, Reading, PA 19605, is a NJ certified Lead in Drinking Water testing facility.

The following guidance documents were followed for sampling:

1. New Jersey Department of Education N.J.A.C. 6A:26

2. The USEPA'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 as well as the Safe Drinking Water Act of 1974".

-END OF SECTION-

4.0 SAMPLE RESULTS

The tables below show the first draw concentrations of lead (microgram per liter) at sampled locations. The NJDEP establishes 15.5 ug/L as the lead action limit. No first draw samples collected exceeded the action limit of 15.5 micrograms per liter (ug/L).

Table 1: 351 Mechanic Street

	Location Code	Results (ug/L)	Action Level (ug/L)	Lead Hazard (Yes/No)
1	352-GFL-POE-S-Restroom	<1.00	15.5	No
2	352-GFL-WC-Rm 102-3	<1.00	15.5	No
3	352-GFL-BF-Gym	<1.00	15.5	No
4	352-GFL-WC-Gym	<1.00	15.5	No
5	352-GFL-FP-Kitchen	1.71	15.5	No
6	352-1FL-S-Faculty Room	1.73	15.5	No
7	352-1FL-WC-Faculty Room	<1.00	15.5	No
8	352-2FL-BF-Hall O/S Rm 212	<1.00	15.5	No
9	352-2FL-BF-Hall O/S Rm 201-A	<1.00	15.5	No
10	352-3-FL-BF-Hall O/S Rm 301-A	<1.00	15.5	No

Table 2: 372 Mechanic Street

	Location Code	Results (ug/L)	Action Level (ug/L)	Lead Hazard (Yes/No)
11	371-GFL-POE-Kitchen Slop Sink	<1.00	15.5	No
12	Field Blank	<1.00	15.5	No

-END OF SECTION

5.0 DISCUSSION & RECOMMENDATIONS

The Safe Drinking Water Act requires the EPA to determine the level of contaminants in drinking water at which no adverse health effects are likely to occur with an adequate margin of safety. These non-enforceable health goals, based solely on possible health risks, are called maximum contaminant level goals (MCLGs). The EPA has set the maximum contaminant level goal for lead in drinking water at zero because lead is a toxic metal that can be harmful to human health even at low exposure levels. Lead is persistent, and it can bioaccumulate in the body over time.

The lead content in the samples collected was analyzed using U.S. Environmental Protection Agency (EPA) Method 200.8 for lead in drinking water

Based on laboratory analysis of the samples analyzed, none of the first draw samples exceeded the action limit of 15.5 ug/L.

Action Required:

No action is required at the present time.

Refer to EPA's "3 T's Training, Testing, and Taking Action – for information and recommendations to prepare schools, childcare facilities, and states to build a voluntary implementation program to reduce lead levels in drinking water.

-END OF SECTION-

6.0 DISCLAIMER

The type of samples collected for this assessment are referred to as grab samples. Grab samples are individual discrete samples collected at a specific time and location.

No guarantee or warranty of the findings and conclusions is implied within the intent of this report. It is limited to only those items listed in the report and is a snapshot of the conditions existing at the time of the assessment as conditions may vary with time.

WCE assumes no liability with regards to decisions made or the use of any information contained in this report, which is prepared exclusively for and is confidential to the above noted client. These services are designed to provide an analytical tool to assist the client, and the user(s) of this information must use their own best judgment to determine the appropriate course of action.

Westchester Environmental LLC

Christopher Piccininni
Environmental Specialist

-END OF REPORT-

Westchester Environmental

APPENDIX I

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

Results Report

Order ID: 6D08124

Westchester Environmental
1248 Wrights Lane
West Chester, PA 19380

Project: Middlesex STEM

Attn: Christopher Piccininni

Regulatory ID:

Sample Number: 6D08124-01 | Site: 352-1FL-S-Faculty Room-F | Sample ID: First 001
Collector: CMP | Collect Date: 04/25/2026 8:00 am | Sample Type: Grab

Department / Test / Parameter	Result	Units	Method	MRL	MDL	DF	Prep Date	By	Analysis Date	By
Metals										
Lead	< 1.00	µg/L	EPA 200.8	1.00		1	04/28/26	KLR	04/30/26 17:30	RPV

Sample Number: 6D08124-02 | Site: 352-GFL-WC-Rm 102-3 | Sample ID: First 002
Collector: CMP | Collect Date: 04/25/2026 8:05 am | Sample Type: Grab

Department / Test / Parameter	Result	Units	Method	MRL	MDL	DF	Prep Date	By	Analysis Date	By
Metals										
Lead	< 1.00	µg/L	EPA 200.8	1.00		1	04/28/26	KLR	04/30/26 17:35	RPV

Sample Number: 6D08124-03 | Site: 352-GFL-BF-Gym | Sample ID: First 003
Collector: CMP | Collect Date: 04/25/2026 8:07 am | Sample Type: Grab

Department / Test / Parameter	Result	Units	Method	MRL	MDL	DF	Prep Date	By	Analysis Date	By
Metals										
Lead	< 1.00	µg/L	EPA 200.8	1.00		1	04/28/26	KLR	04/30/26 17:42	RPV

Sample Number: 6D08124-04 | Site: 352-GFL-WC-Gym | Sample ID: First 004
Collector: CMP | Collect Date: 04/25/2026 8:09 am | Sample Type: Grab

Department / Test / Parameter	Result	Units	Method	MRL	MDL	DF	Prep Date	By	Analysis Date	By
Metals										
Lead	< 1.00	µg/L	EPA 200.8	1.00		1	05/05/26	KLR	05/06/26 21:11	RPV

Sample Number: 6D08124-05 | Site: 352-GFL-FP-Kitchen | Sample ID: First 005
Collector: CMP | Collect Date: 04/25/2026 8:11 am | Sample Type: Grab

Department / Test / Parameter	Result	Units	Method	MRL	MDL	DF	Prep Date	By	Analysis Date	By
Metals										
Lead	1.71	µg/L	EPA 200.8	1.00		1	05/05/26	KLR	05/06/26 21:14	RPV

Sample Number: 6D08124-06 | Site: 352-1FL-S-Faculty Room | Sample ID: First 006
Collector: CMP | Collect Date: 04/25/2026 8:13 am | Sample Type: Grab

Department / Test / Parameter	Result	Units	Method	MRL	MDL	DF	Prep Date	By	Analysis Date	By
Metals										
Lead	1.73	µg/L	EPA 200.8	1.00		1	05/05/26	KLR	05/06/26 21:18	RPV

Sample Number: 6D08124-07 | Site: 352-1FL-WC-Faculty Room | Sample ID: First 007
Collector: CMP | Collect Date: 04/25/2026 8:15 am | Sample Type: Grab

Department / Test / Parameter	Result	Units	Method	MRL	MDL	DF	Prep Date	By	Analysis Date	By
Metals										
Lead	< 1.00	µg/L	EPA 200.8	1.00		1	05/05/26	KLR	05/06/26 21:21	RPV

Sample Number: 6D08124-08 | Site: 352-2FL-BF-Hall O/S Rm 212 | Sample ID: First 008
Collector: CMP | Collect Date: 04/25/2026 8:17 am | Sample Type: Grab

Department / Test / Parameter	Result	Units	Method	MRL	MDL	DF	Prep Date	By	Analysis Date	By
Metals										
Lead	< 1.00	µg/L	EPA 200.8	1.00		1	05/05/26	KLR	05/06/26 21:25	RPV

Sample Number: 6D08124-09 | Site: 352-2FL-BF-Hall O/S Rm 201-A | Sample ID: First 009
Collector: CMP | Collect Date: 04/25/2026 8:19 am | Sample Type: Grab

Department / Test / Parameter	Result	Units	Method	MRL	MDL	DF	Prep Date	By	Analysis Date	By
Metals										
Lead	< 1.00	µg/L	EPA 200.8	1.00		1	05/05/26	KLR	05/06/26 21:28	RPV

Sample Number: 6D08124-10 | Site: 352-3-FL-BF-Hall O/S Rm 301-A | Sample ID: First 010
Collector: CMP | Collect Date: 04/25/2026 8:21 am | Sample Type: Grab

Department / Test / Parameter	Result	Units	Method	MRL	MDL	DF	Prep Date	By	Analysis Date	By
Metals										
Lead	< 1.00	µg/L	EPA 200.8	1.00		1	05/05/26	KLR	05/06/26 21:42	RPV

Sample Number: 6D08124-11 | Site: 371-GFL-POE-Kitchen Slop Sink | Sample ID: First 011
Collector: CMP | Collect Date: 04/25/2026 8:23 am | Sample Type: Grab

Department / Test / Parameter	Result	Units	Method	MRL	MDL	DF	Prep Date	By	Analysis Date	By
Metals										
Lead	< 1.00	µg/L	EPA 200.8	1.00		1	05/05/26	KLR	05/06/26 21:46	RPV

Sample Number: 6D08124-12 | Site: Field Blank | Sample ID: First 012
Collector: CMP | Collect Date: 04/25/2026 8:25 am | Sample Type: Grab

Department / Test / Parameter	Result	Units	Method	MRL	MDL	DF	Prep Date	By	Analysis Date	By
Metals										
Lead	< 1.00	µg/L	EPA 200.8	1.00		1	05/05/26	KLR	05/06/26 21:49	RPV

Sample Receipt Conditions:

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

Laboratory Accreditations:

SPL - Reading

Regulatory Authority	Program	Certification ID	Expires
US EPA	Federal	PA00072	N/A
New Jersey DEP	NELAP	PA081	06/30/2026
New York DOH	NELAP	12209	04/01/2027
Pennsylvania DEP	NELAP	06-00208	09/30/2026
Texas CEQ	NELAP	T10474585	03/31/2027
Colorado DPHE	State	PA00072	10/31/2026
Delaware ODW	State	N/A	09/30/2026
Maryland DE	State	347	12/31/2026

All analyses were performed at SPL - Reading unless otherwise noted.

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 SPL's NELAP 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" / "SPL", samples have been collected in accordance with SPL SOP SL 0015.

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 SPL.

Results have been peer reviewed unless marked with an asterisk (*). Results with an asterisk have been analyst reviewed and meet all quality system requirements.

Reviewed and Released By:
Abigail Cunningham
Associate Project Manager

The Science of Sure®
SPL- Reading, 1037 MacArthur Road, Reading, PA 19605
610.375.8378 - reading.info@spllabs.com

6D08124
Lauren Ulle

COC Pg 1

TESTING LABS

ain of Custody Record

TAT (Check One) ~~Standard~~ (circled: Standard) 24hr 48hr 72hr Other

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

Client Name:	Westchester Environmental LLC.			Project Name:	Middlesex STEM
Address:	1248 Wrights Lane	Phone:	610-431-7545	Address:	Middlesex STEM
	West Chester, PA 19380	Email:	cpiccininni@westchesterenvironmental.com		352 Mechanic Street, Perth Amboy 08861
Contact Name:	Christopher Piccininni			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	352-GFL-POE-S-Restroom	04/25/26	08:00 AM	CMP	001	Pb EPA 200.8	1	PW	G	P	H	352 Mechanic St - POE
First	352-GFL-WC-Rm 102-3	04/25/26	08:05 AM	CMP	002	Pb EPA 200.8	1	PW	G	P	H	Rm 102-3
First	352-GFL-BF-Gym	04/25/26	08:07 AM	CMP	003	Pb EPA 200.8	1	PW	G	P	H	Gym
First	352-GFL-WC-Gym	04/25/26	08:09 AM	CMP	004	Pb EPA 200.8	1	PW	G	P	H	Gym
First	352-GFL-FP-Kitchen	04/25/26	08:11 AM	CMP	005	Pb EPA 200.8	1	PW	G	P	H	Kitchen
First	352-1FL-S-Factuly Room	04/25/26	08:13 AM	CMP	006	Pb EPA 200.8	1	PW	G	P	H	Faculty Room
First	352-1FL-WC-Faculty Room	04/25/26	08:15 AM	CMP	007	Pb EPA 200.8	1	PW	G	P	H	Faculty Room
First	352-2FL-BF-Hall o/s Rm 212	04/25/26	08:17 AM	CMP	008	Pb EPA 200.8	1	PW	G	P	H	Hall o/s Rm 212
First	352-2FL-BF-Hall o/s 201-A	04/25/26	08:19 AM	CMP	009	Pb EPA 200.8	1	PW	G	P	H	Hall o/s Rm 201-A
First	352-3FL-BF-Hall o/s Rm 301-A	04/25/26	08:21 AM	CMP	010	Pb EPA 200.8	1	PW	G	P	H	Hall o/s Rm 301-A

Relinquished by: CP — Date: 4/28/26 Time: 8:00AM

Received By: GKw SPC — Date: 4.28.26 Time: 1400 Temp °C: Acceptable Y / N

Relinquished by: GKw - SPL — Date: 4-28-26 Time: 1510 Temp °C: Acceptable (Y) / N

Received in Lab By: MB (W) — Date: 4/28/26 Time: 1553 Temp °C: 20.8 Acceptable (Y) / N box

Sample Conditions		Matrix Key	Bottle Type Key
Submitted w/ COC	(Y) / N	NPW = Non-Potable Water	P = Plastic
Number of containers match number on COC ?	(Y) / N	Solid = Raw Sludge, Dewatered Sludge,soil, etc. (reported as mg/l)	G = Glass
All containers intact	(Y) / N	PW = Potable Water (not for SWDA compliance)	O= Other
Tests within holding times	(Y) / N	SWDA = Safe Drinking Water Act Potable Sample	
40 ml. VOA vials free of headspace ?	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 = Check; S = Special; M = Maximum Residence

Preservative Key: H = Sodium Thiosulphate; A = Ascorbic Acid; H = HNO3; C = HCl; S = H_2SO_4; OH = NaOH; O = Other; NA = None Required

(10)2 Poly W/HNO3

6D08124
Lauren Ulle

COC Pg 2

TESTING LABS

Chain of Custody Record

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

TAT (Check One): Standard (circled) | 24hr | 48hr | 72hr | Other

Client Name:	Westchester Environmental LLC.			Project Name:	Middlesex STEM
Address:	1248 Wrights Lane	Phone:	610-431-7545	Address:	Middlesex STEM
	West Chester, PA 19380	Email:	cpiccininni@westchesterenvironmental.com		352 Mechanic Street, Perth Amboy 08861
Contact Name:	Christopher Piccininni			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	371-GFL-POE-Kitchen Slop Sink	04/25/26	08:23 AM	CMP	011	Pb EPA 200.8	1	PW	G	P	H	371 Mechanic St - POE
First	Field Blank	04/25/26	08:25 AM	CMP	012	Pb EPA 200.8	1	PW	G	P	H	Field Blank

Relinquished by: (initials) — Date: 4/28/26 Time: 8:00AM

Received By: GKu - SPL — Date: 4-28-26 Temp °C: Time: 1400 Acceptable Y / N

Relinquished by: GKu - SPL — Date: 4-28-26 Temp °C: Time: 1510 Acceptable Y / N

Received in Lab By: MB — Date: 4/28/26 Temp °C: 20.8°C Time: 1553 Acceptable Y / N box

Sample Conditions
- Submitted w/ COC: Y / N
- Number of containers match number on COC ?: Y / N
- All containers intact: Y / N
- Tests within holding times: Y / N
- 40 ml. VOA vials free of headspace ?: Y / N

Matrix Key
- 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

Sample Type Key
- G = Grab
- 8 HC = 8 Hour Composite
- 24 HC = 24 Hour Composite

SWDA Sample Type
- D = Disrtibution
- E = Entry Point
- R = Raw
- C = Check
- S = Special
- M = Maximum Residence

Bottle Type Key
- P = Plastic
- G = Glass
- O= Other

Preservative Key
- H = Sodium Thiosulphate
- A = Ascorbic Acid
- H = HNO3
- C = HCl
- S = H_2SO_4
- OH = NaOH
- O = Other
- NA = None Required

(2) 2 [illegible] w/ [illegible]
x

x = pH<2
MB 4/28/26