Westchester Environmental

EAST RUTHERFORD PUBLIC SCHOOLS

LEAD IN DRINKING WATER
POST REMEDIATION SAMPLING REPORT

PERFORMED FOR:

EAST RUTHERFORD PUBLIC SCHOOLS
250 GROVE STREET
EAST RUTHERFORD, NJ 07073

PERFORMED BY:

WESTCHESTER ENVIRONMENTAL LLC
1248 WRIGHTS LANE
WEST CHESTER, PA 19380

MARCH 2025

Westchester Environmental

March 17, 2025

Mr. Frank Abbattiscianni
East Rutherford Public Schools
250 Grove Street
East Rutherford, NJ 07073

Re: LEAD IN DRINKING WATER REPORT- POST REMEDIATION SAMPLING

Dear Mr. Abbattiscianni,

Please find enclosed the report for the Lead in Drinking Water – Post Remediation Sampling conducted for the East Rutherford Public Schools.

The collected post-remediation sample did not exceed the action limit of 15.5 micrograms per liter (ug/L).

Thank you for giving us the opportunity to be of service. If you have any questions, please contact us at 610-431-7545 or email me at cpiccininni@westchesterenvironmental.com.

Sincerely,

Westchester Environmental, LLC

Christopher Piccininni
Environmental Specialist

Westchester Environmental

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EAST RUTHERFORD PUBLIC SCHOOLS

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1.0 EXECUTIVE SUMMARY

Westchester Environmental, LLC (WCE) was contracted by Mr. Frank Abbattiscianni of East Rutherford Public Schools to conduct post remediation lead in water testing for the school district for the 2024-2025 school year.

The objective of this sampling was to collect and analyze water samples at the fixtures in the facilities where the initial first draw samples, collected on December 21, 2024, were reported to contain lead above the New Jersey Department of Environmental Protection's (NJDEP) action level of 15.5 micrograms per liter (ug/L) or 15.5 parts per billion (ppb).

The post remediation sampling was performed by Christopher Piccininni of Westchester Environmental, LLC on February 22, 2025. The analysis of lead content was based using U.S. Environmental Protection Agency (EPA) Method 200.8 for lead in drinking water. During this visit, only first draw samples were collected at the Mckenzie School located at 125 Carlton Avenue, East Rutherford, NJ 07073

The sample collected did not exceed 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.

02/22/25 - First Draw Post Remediation

	Building	Location Code	Results (ug/L)	Action Level (ug/L)	Lead Hazard (Yes/No)
1	Mackenzie School	ERMS-1FL-FP-Kitchen-2	<1.00	15.5	No

Immediate Action Required:

No immediate action required.

-END OF SECTION-

2.0 INTRODUCTION

The objective of the sampling was to determine the lead in water levels from the drinking water outlet that exceeded the action level for lead in drinking water. The post-remediation sampling was conducted at the Mckenzie School. During this visit, a first draw drinking water sample was collected.

The purpose of the post remediation sampling was to collect water samples from remediated fixtures that exceeded the New Jersey Department of Environmental Protection's (NJDEP) lead action level of 15.5 micrograms per liter(ug/L) of 15.5 parts per billion(ppb) during the initial sampling conducted on December 21, 2024.

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 NJDEP's 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

One post remediation sample was collected during the post remediation sampling conducted on February 22, 2025.

The collected sample was labeled with a unique identification number and transported to Suburban Laboratory for analysis of lead in drinking water using EPA Method 200.8. Suburban Testing Labs located at 1037F MacArthur Rd, Reading, PA 19605, is a NJ certified Lead in Drinking Water testing facility.

The following guidelines were followed:

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-

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4.0 SAMPLE RESULTS

The table below shows the first draw concentrations of lead (microgram per liter) at the sampled location. The NJDEP establishes 15.5 ug/L as the lead action limit. The post-remediation sample is used to determine if remediation measures taken sufficiently addressed the exceedances observed during the initial sampling event.

The collected first draw did not exceed the action limit of 15.5 micrograms per liter (ug/L).

02/22/25- First Draw Post Remediation

Building	Location Code	Results (ug/L)	Action Level (ug/L)	Lead Hazard (Yes/No)
1 Mackenzie School	ERMS-1FL-FP-Kitchen-2	<1.00	15.5	No

-END OF SECTION-

5.0 DISCUSSION & RECOMMENDATIONS

Lead can enter water when plumbing materials corrode, especially if the water is acidic or has low mineral content. Lead pipes, faucets, and fixtures are the most common sources of lead in drinking water.

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.

According to the US EPA, lead enters drinking water primarily through plumbing materials. For further information on guidance protocols that were followed please refer to The EPA's Revised Technical Guidance - "**3Ts for Reduced Lead in Drinking Water in Schools**". The following are recommended, based on the laboratory analysis after the second round of sampling.

Based on laboratory analysis of the samples analyzed, the **post remediation first draw sample did not exceed the action limit of 15.5 ug/L.**

According to the US EPA, lead enters drinking water primarily through plumbing materials. For further information on guidance protocols that were followed please refer to The EPA's Revised Technical Guidance - "**3Ts for Reduced Lead in Drinking Water in Schools**". The following are recommended, based on the laboratory analysis after the second round of sampling.

Action Required: No immediate action required.at the present time. The remediation measures taken were successful in lowering the lead concentration below the action limit.

-END OF SECTION-

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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 regard 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-

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APPENDIX I

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

SUBURBAN TESTING LABS

Results Report

Order ID: 5B05828

Westchester Environmental 1248 Wrights Lane West Chester, PA 19380	Project: East Rutherford SD McKenzie 100 Uhland St, East Rutherford, NJ 07073
Attn: Christopher Piccininni	Regulatory ID:

Sample Number: 5B05828-01	Site: ERMS-2FL-FP-Kitchen - 2	Sample ID: First 001
Collector: CMP	Collect Date: 02/22/2025 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	03/04/25	MKS	03/05/25 15:31	MKS

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 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", 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:
Lauren Ulle
Project Manager I

Report Generated On: 03/06/2025 1:20 pm 5B05828
STL_Results Revision #3.0 Effective: 05/29/2024

SUBURBAN TESTING LABS

TESTING LABS

Chain of

1037F Mac.

610-375-TEST – Fax: 610-375-4090 – suburban testinglabs.com

5B05828

Lauren Ulle

dard 24hr 48hr 72hr Other

Client Name:	Westchester Environmental LLC.			Project Name:	East Rutherford SD
Address:	1248 Wrights Lane	Phone:	0	Address:	McKenzie
	West Chester, PA 19380	Email:	cpiccininni@westchesterenvironmental.com		100 Uhland St, East Rutherfrod, NJ 07073
Contact Name:	Chris 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	ERMS-2FL-FP-Kitchen – 2	02/22/25	08:05 AM	CMP	001	Pb EPA 200.8	1	PW	G	P	H	Kitchen – 2

Relinquished by: Date: 2/26/25 Time: 6:30AM

Received By: Amy DeVincy (1) Date: 2.26.25 Time: 1115 Temp °C: Acceptable Y / N COUNTER

Relinquished by: Amy DeVincy (1) Date: 2.26.25 Time: 1435 Temp °C: Acceptable Y / N DRY

Received in Lab By: MFS (1) Date: 2.26.25 Time: 1557 Temp °C: 23.6 Acceptable Y / N bag

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	Preservative Key
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 = Disrtibution; E = Entry Point; R = Raw; C = Check; S = Special; M = Maximum Residence
			H = Sodium Thiosulphate; A = Ascorbic Acid; H = HNO3; C = HCl; S = H_2SO_4; OH = NaOH; O = Other; NA = None Required

(1) 250mlp + HNO3 PH<2 MFS 2.26.25

X STANDING SAMPLE pick-up

AMD SR 2.26.25