PARTNER
Engineering and Science, Inc.

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DRINKING WATER SAMPLING REPORT

Transportation Building
125 North Chapel Road
Jackson, New Jersey 08527

Report Date
April 29, 2025

Partner Project No.
24-447445.1

Prepared for:
Jackson Township Board of Education
Jackson, New Jersey 08527


Building Science


Environmental Consulting


Construction & Development


Energy & Sustainability

PARTNER

April 29, 2025

Anthony Bruno
Jackson Township Board of Education
151 Don Connor Boulevard
Jackson, New Jersey 08527

Subject: Drinking Water Sampling Report
Transportation Building
125 North Chapel Raod
Jackson, New Jersey 08527
Partner Project No. 24-447445.1

Dear Anthony Bruno,

Partner Engineering and Science, Inc. (Partner) is pleased to provide the *Drinking Water Sampling* of the abovementioned address (the "Subject Property"). This sampling event was performed in general conformance with the scope and limitations as detailed in our fee proposal. This inspection included a site reconnaissance as well as sampling and analysis. An assessment was made, conclusions stated, and recommendations outlined, as required.

This survey included a site reconnaissance as well as sampling and analysis. An assessment was conducted, conclusions stated, and recommendations outlined, as necessary.

We appreciate the opportunity to provide industrial hygiene services to Jackson Township Board of Education. If you have any questions concerning this report, or if we can assist you in any other matter, please contact me at (908) 497-8904.

Sincerely,

Partner Engineering and Science, Inc.

Dan Bracey, CIH, CSP, CHMM
Technical Director
EHS Solutions

EXECUTIVE SUMMARY

Partner presents our report for this Drinking Water Sampling Report for Transportation Building located at 125 North Chapel Road, Jackson NJ on February 8, 2025. Samples were collected according to the "New Jersey Department of Education N.J.A.C. 6A:26" requirements for testing of lead in New Jersey Schools and the "USEPA 3Ts for Reducing Lead in Drinking Water in Schools" recommendations, as well as the Safe Drinking Water Act of 1974.

The first sample at each fixture was a "first draw" which was collected directly from the fixture without letting the water run or flush. The second sample was collected after letting the water run (flush) for thirty seconds. This sample evaluates the lead in water from the water purveyor and the pipes outside the building. The samples collected were analyzed by EUROFINS Built Environment Testing, located in Mt. Laurel, New Jersey for analysis of lead content using ASTM Method D3559-15D for lead in drinking water. The action level for lead has been set at 15 parts per billion (ppb). According to the USEPA, 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.

Sample analysis indicated that measured lead concentrations did not exceed the USEPA Action Level of 15 ppb for lead at the Transportation Building. No further action is recommended at this time. If additional outlets are added, or changes to existing outlets occur, the Client must perform lead sampling for those outlets.

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Appendices

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1.0 INTRODUCTION

1.1 Subject Property Description

Address:	125 North Chapel Road, Jackson, NJ
Nature of Use:	Transportation
Walk-Through Inspector:	Hunter Hostage
Walk-Through Date:	January 14, 2025
Sampling Conducted By:	Juan Jimenez & Jeremy Jordan
Sampling Date :	February 8, 2025

1.2 Purpose and Scope

The purpose of this drinking water sampling event was to sample and analyze drinking water for a determination of lead content for comparison with the USEPA Action Level as defined by the National Primary Drinking Water Regulations (NPDWR - 40 CFR Chapter I, Part 141), in addition to the "New Jersey Department of Education N.J.A.C. 6A:26" requirements for testing of lead in New Jersey Schools and the "USEPA 3Ts for Reducing Lead in Drinking Water in Schools". The NPDW set a Maximum Contaminant Level Goal (MCLG) for each listed contaminant, which identifies a level of that contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety and are non-enforceable public health goals. The MCLG for lead has been set at zero ppb. Since lead contamination generally occurs from corrosion of onsite lead pipes, or lead-based solder on fittings and fixtures, it cannot be directly detected or removed by the municipal water system. Instead, the USEPA is requiring municipal water systems to control the corrosiveness of their water if the level of lead at the tap exceeds an Action Level.

The action level for lead has been set at 15 parts per billion (ppb). According to the NPDWR Lead and Copper Rule (LCR), 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.

2.0 METHODOLOGY

Select drinking water samples were collected according to the "New Jersey Department of Education N.J.A.C. 6A:26" requirements for testing of lead in New Jersey Schools and the "USEPA 3Ts for Reducing Lead in Drinking Water in Schools" recommendations, as well as the LCR Monitoring requirements for lead in tap water (40 CFR Part 141, Subpart I, § 141.86(b)).

The first sample at each fixture was a "first draw" which was collected directly from the fixture without letting the water run or flush. The second sample was collected after letting the water run (flush) for thirty seconds. This sample evaluates the lead in water from the water purveyor and the pipes outside the building. Ideally, the water had not been used for the past eight hours prior to sampling and not longer than 48 hours prior to sampling. Partner made a reasonable effort to determine whether the stagnation preconditions were able to be met prior to conducting sampling.

Sample bottles were provided by EUROFINS Built Environment Testing located in Mt. Laurel, New Jersey with an appropriate preservative for lead in drinking water sampling. After collection, sample bottles were labeled with a unique identifier and transferred under chain of custody conditions to EUROFINS Built Environment Testing located in Mt. Laurel, New Jersey for analysis by ASTM Method D3559-15D. The laboratory results and chain of custody are contained in **Appendix B.**

3.0 ANALYTICAL RESULTS / CONCLUSIONS AND RECOMMENDATIONS

During the course of this site visit, Partner collected water samples at 1 location. Partner did not attempt to disassemble mechanical equipment, open plumbing pipe chases, or assess materials within wall voids.

Sample names and their respective locations were updated from the 2021 sampling event based on relevant known plumbing information as provided by the Transportation Building and the site guide.

A total of 2 drinking water samples were collected from Transportation Building on February 8, 2025 A total of 1 samples were analyzed. The analytical results for all samples collected are listed in **Table 1** in **Appendix A**. Sample locations are depicted on the diagram included in **Appendix C.**

3.1 Conclusions and Recommendations

Sample analysis indicated that measured lead concentrations did not exceed the USEPA Action Level of 15 ppb for lead at Transportation Building. No further action is recommended at this time. If additional outlets are added, or changes to existing outlets occur, the Client must perform lead sampling for those outlets.

4.0 LIMITING CONDITIONS

No warranties expressed or implied, are made by Partner or its subcontractor, EUROFINS Built Environment Testing, or their employees as to the use of any information, apparatus, product, or process disclosed in this report. Every reasonable effort has been made to assure correctness. This survey is limited by the scope discussed by the client. It was prepared for the sole use and benefit of the Client. Neither this report nor any of the information contained herein shall be used or relied upon for any purpose by any persons or entities other than the Client.

Property and climate conditions, as well as local, state, and federal regulations, can change significantly over time. Therefore, the recommendations and conclusions presented as a result of this study apply strictly to the environmental regulations and property conditions existing at the time the study was performed. Available information has been analyzed using currently accepted industry assessment techniques and it is believed that the inferences made are reasonably representative of the property. Partner and its subcontractor EUROFINS Built Environment Testing, and their employees/representatives bear no responsibility for the actual condition of the structure or safety of this site pertaining to water quality contamination regardless of the actions taken by the inspection team or the client. Partner makes no warranty, expressed or implied, except that the services have been performed in accordance with generally accepted assessment practices applicable at the time and location of the study.

5.0 SIGNATURES OF PROFESSIONALS

Partner has performed lead-in-drinking water sampling on the property at 125 North Chapel Road, Jackson, New Jersey in general conformance with the scope and limitations of the protocol and the limitations stated earlier in this report. Exceptions to or deletions from this protocol are discussed earlier in this report.

Prepared By:

Partner Engineering and Science, Inc.

Juan Jimenez
Industrial Hygienist

Reviewed by:

Angelica Rosaperez, ASP
Project Manager

APPENDIX A: TABLE 1 – ANALYTICAL RESULTS TABLE

Table 1: Analytical Results		
Sample Name	**Location**	**Results (ppb)**
NCT-S-01	Garage	<1.00

1 ppb = parts per billion

APPENDIX B: LABORATORY ANALYSIS AND CHAIN-OF-CUSTODY

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iATL

9000 Commerce Parkway Suite B
Mt. Laurel, New Jersey 08054
Telephone: 856-231-9449
Email: customerservice@iatl.com

CERTIFICATE OF ANALYSIS

Client: Partner Engineering and Science
929 Asbury Ave
Asbury Park NJ 07712

Client: PAR929

Report Date: 2/19/2025
Report No.: 709693 - Lead Water
Project: 2024 Jackson LIDW-Transportation Bldg 125
Project No.: 24-447445.1

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.:7821132 **Location:**Garage Sink **Result(ppb):**<1.00
Client No.:NCT-S-01 * Sample acidified to pH <2.

Lab No.:7821133 **Location:**Garage Sink **Result(ppb):**Sample Not Analyzed
Client No.:NCT-S-01-F * Sample acidified to pH <2.

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 2/11/2025
Date Analyzed: 02/19/2025
Signature:
Analyst: Chad Shaffer

Approved By:
Frank E. Ehrenfeld, III
Laboratory Director

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Mt. Laurel, New Jersey 08054
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Email: customerservice@iatl.com

CERTIFICATE OF ANALYSIS

Client:	Partner Engineering and Science	Report Date:	2/19/2025
	929 Asbury Ave	Report No.:	709693 - Lead Water
	Asbury Park NJ 07712	Project:	2024 Jackson LIDW-Transportation Bldg 125
		Project No.:	24-447445.1
Client:	PAR929		

Appendix to Analytical Report:

Customer Contact:
Analysis: AAS-GF - ASTM D3559-15D

This appendix seeks to promote greater understanding of any observations, exceptions, special instructions, or circumstances that the laboratory needs to communicate to the client concerning the above samples. The information below is used to help promote your ability to make the most informed decisions for you and your customers. Please note the following points of contact for any questions you may have.

iATL Customer Service: customerservice@iatl.com
iATL OfficeManager: ?wchampion@iatl.com
iATL Account Representative: House Account
Sample Login Notes: See Batch Sheet Attached
Sample Matrix: Water
Exceptions Noted: See Following Pages

General Terms, Warrants, Limits, Qualifiers:

General information about iATL capabilities and client/laboratory relationships and responsibilities are spelled out in iATL policies that are listed at www.iATL.com and ir our Quality Assurance Manual per ISO 17025 standard requirements. The information therein is a representation of iATL definitions and policies for turnaround times, sample submittal, collection media, blank definitions, quantification issues and limit of detection, analytical methods and procedures, sub-contracting policies, results reporting options, fees, terms, and discounts, confidentiality, sample archival and disposal, and data interpretation.

iATL warrants the test results to be of a precision normal for the type and methodology employed for each sample submitted. iATL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. iATL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by our Standard Terms and Conditions. Prices, methods and detection limits may be changed without notification. Please contact your Customer Service Representative for the most current information.

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA LAP LLC, or any agency of local, state or province governments nor of any agency of the U.S. government.

Information Pertinent to this Report:

Analysis by AAS Graphite Furnace:
- ASTM D3559-15D

Certification:
- NYS-DOH No. 11021
- NJDEP No. 03863

Note: These methods are analytically equivalent to iATL's accredited method;

- USEPA 40CFR 141.11B
- USEPA 200.9 Pb, AAS-GF, RL <2 ppb/sample
- USEPA SW 846-7421 - Pb(AAS-GF, RL <2 ppb/sample)

Regulatory limit for lead in drinking water is 15.0 parts per billion as cited in EPA 40 CFR 141.11 National Primary Drinking Water Regulations, Subpart B: Maximum contaminant levels for inorganic chemicals.

All results are based on the samples as received at the lab. iATL assumes that appropriate sampling methods have been used and that the data upon which these results are based have been accurately supplied by the client.

Sample results are not corrected for contamination by field or analytical blanks.

PPB = Parts per billion. 1 µg/L = 1 ppb MDL = 0.24 PPB Reporting Limit (RL) = 1.0 PPB

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9000 Commerce Parkway, Suite B • Mount Laurel, NJ 08054
Phone: 877-428-4285/856-231-9449 • Fax: 856-231-9818

003943173

Chain of Custody

Contact Information

Client Company:	Partner Engineering and Science,	Project Number:	24-447445.1
Office Address:	929 Asbury Avenue	Project Name:	2024 Jackson LTDW - Transportation Bldg 125 NCAL Hope Ch Rd
City, State, Zip:	Asbury Park, NJ 07712	Primary Contact:	Angelica Rosaperez
Fax Number:		Office Phone:	
Email Address:	arosaperez@partneresi.com	Cell Phone:	732-403-5869

Matrix:

☐ Air ☒ Water ☐ Soil ☐ Paint ☐ Bulk ☐ Surface Dust / Wipe ☐ Other ______

Analysis Method:

☐ PCM: NIOSH 7400
☐ PCM: OSHA
☐ PCM: TWA

☐ Total Dust: NIOSH 0500
☐ Total Dust: NIOSH 0600

☐ AAS: Lead in Air
☒ AAS: Lead in Water
☐ AAS: Lead in Paint
☐ AAS: Lead Dust/Wipe₁
☐ AAS: Lead in Soil
☐ AAS: TCLP
☐ AAS: Metals [Cd, Zn, Cr-circle]

PLM Use Bulk Asbestos Sample Log

☐ PLM: Bulk Asbestos EPA 600
☐ PLM: Point Counting 198.1
☐ PLM: NOB via 198.6 (PLM only)
☐ If <1% by PLM, to TEM via 198.4 2

IAQ Use Mold Sample Log

☐ IAQ: I Bioaersol Fungal Spore Trap3
☐ IAQ: II Bioaersol Fungal Spore
☐ IAQ: Tape, Bulk, Misc. Qualitative3
☐ IAQ: Tape, Bulk, Misc. Quantitative3
☐ IAQ: Other Culturable ID2

☐ TEM: AHERA
☐ TEM: NIOSH 7402
☐ TEM: ISO 10312
☐ TEM: ISO 13794
☐ TEM: Wipe ASTM 6480
☐ TEM: Microvac ASTM D5755
☐ TEM: Microvac ASTM D5756
☐ TEM: NOB 198.4
☐ TEM: Bulk Analysis
☐ TEM: Potable Water
☐ TEM: Non-Potable Water
☐ TEM: Other ______
☐ Soil: Call for Available Methods

1- Requires ASTM acceptable material 2- Call to confirm TAT 3- Non-culturable 4- With Non-fungal Microscopic Exam

Special Instructions: Method 200.9
Please HOLD all Flush samples (F). If the initial sample is above 15 ppb, please run the flush sample.

Turnaround Time

Preliminary Results Requested Date: ______ (Specific date / time)

☐ Verbal ☒ Email ☐ Fax

☒ 10 Day ☐ 5 Day ☐ 3 Day ☐ 2 Day ☐ 1 Day* ☐ 12 Hour** ☐ 6 Hour** ☐ RUSH**

* End of next business day unless otherwise specified. ** Matrix Dependent. ***Please notify the lab before shipping***

Shipping Method

☐ FedEx ☐ UPS ☐ USPS ☐ Other ______

Chain of Custody

		Date:	Time:
Relinquished (Name/Organization):	Joey Jimenez	1/10/2025	11:48
Received (Name / iATL):		8/11	1148
Sample Login (Name / iATL):			
Analyst (Name(s) / iATL):			
QA/QC Review (Name / iATL):			
Archived / Released:	QA/QC InterLAB Use:		2025

IATL - Cy

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Sample Log

–Environmental Lead –

Client: Transportation Bldg. 125 North Hope Chapel Road Project: _____

Sampling Date/Time: 2/8/2015 / 2:08pm

Client Sample #	iATL #	Location/ Description	Flow Rate	Start End	Sampling time (min)	Area (ft2) Volume (L)	Results ( )
NCT-S-01	7821132	Garage Sink	2/8/15	2:09		250 mL	
NCT-S-01F	7821133	↓	↓	2:10		↓	

* = *Insufficient Sample Provided to Perform QC Reanalysis (<200mg)*
** = *Insufficient Sample Provided to Analyze (<50mg)* ***= *Matrix / Substrate Interference Possible*
FB = Method Requires the submittal of blank(s). ML = Multi Layered Sample. May result in inconsistent results.
These **preliminary results** are issued by iATL to expedite procedures by clients based upon the above data. iATL assumes that all of the sampling methods and data upon which these results are based, has been accurately supplied by the client. These results may not have been reviewed by the Laboratory Director. Final Certificate of Analysis will follow these preliminary results. The signed COA is to be considered the official results. All EPA, HUD, and NJDEP conditions apply.

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CERTIFICATE OF ANALYSIS

Client:	Partner Engineering and Science	Report Date:	2/19/2025
	929 Asbury Ave	Report No.:	709693 - Lead Water
	Asbury Park NJ 07712	Project:	2024 Jackson LIDW-Transportation Bldg 125
		Project No.:	24-447445.1
Client:	PAR929		

Disclaimers / Qualifiers:

There may be some samples in this project that have a "NOTE:" associated with a sample result. We use added disclaimers or qualifiers to inform the client about something that requires further explanation. Here is a complete list with highlighted disclaimers pertinent to this project. For a full explanation of these and other disclaimers, please inquire at **customerservice@iatl.com.**

Matrix spiking is performed on each client batch to determine if interferences could impact results. When spike recoveries fall out of acceptable range matrix interference is suspected and samples are diluted until acceptable spike recovery can be achieved. Reporting limits will increase by the same degree as the dilution required.

Note: Sample dilution required due to matrix interference.

Water Sample Turbidity greater than 1.0 NTU does not meet Federal and NJ State Primary & Secondary Drinking Water Standards.

* ASTM D3559 (D) calls for the addition of acid at the time of sampling. Unless so noted on the chain of custody by the client iATL acidifies samples to a pH of <2 at least 24 hours prior to analysis.

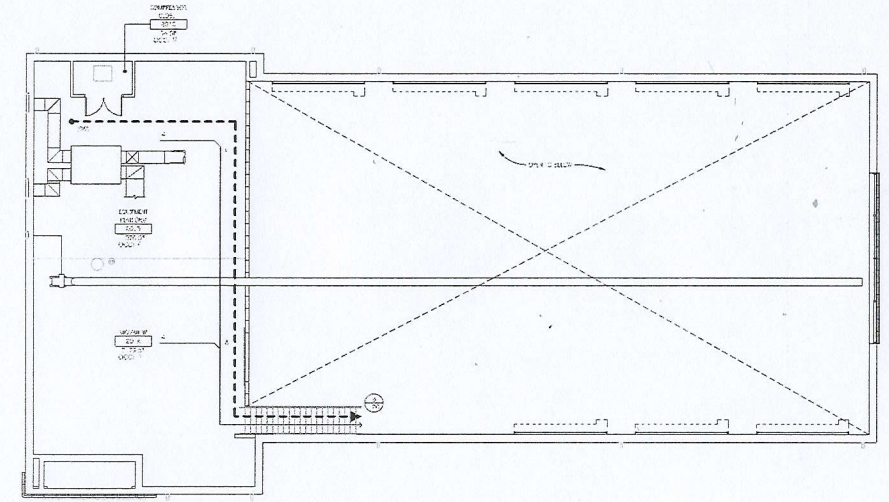
APPENDIX C: SAMPLE LOCATION DIAGRAM

APPLICABLE CODES (NJ)

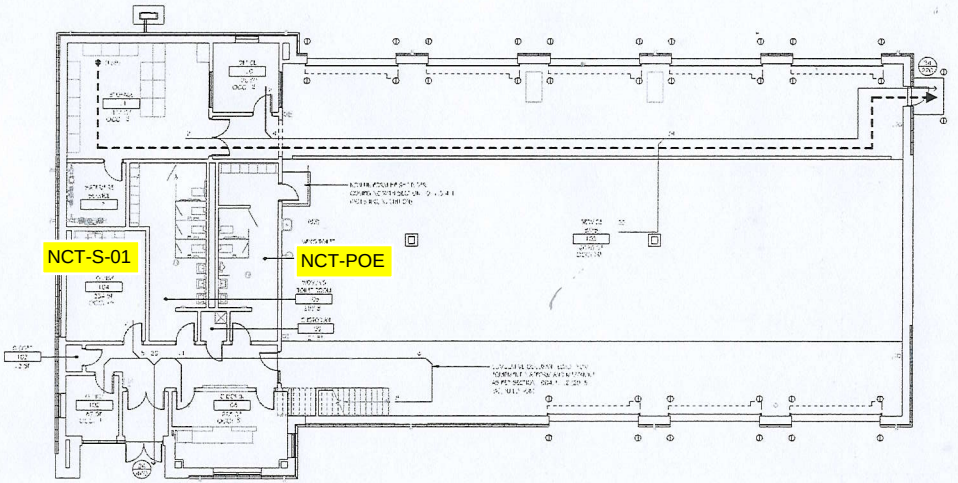
BUILDING CODE DATA

PLUMBING FIXTURE COUNT

CODE PLAN LEGEND



1 CODE PLAN (MEZZANINE)



2 CODE PLAN (GROUND FLOOR)

spiezle
ARCHITECTURAL GROUP

BID SET

NEW TRANSPORTATION BUILDING

FOR

JACKSON BOARD OF EDUCATION

CODE PLAN

18K040

CP. 1