March 21, 2022



Duluth Transit Authority (DTA) 2402 West Michigan Street Duluth, MN 55806

Attn: Ms. Nancy Brown, Operations Manger

nbrown@duluthtransit.com

RE: Limited Asbestos Testing Report

**Duluth Transit Authority Operations Center** 

2402 West Michigan Street Duluth, Minnesota 55806 AET Project No. P-0009881

Dear Ms. Brown:

American Engineering Testing (AET) is pleased to provide the following letter report for the limited asbestos testing at the above referenced location.

### INTRODUCTION

You contacted AET requesting sampling and testing of suspect asbestos-containing building materials at the Duluth Transit Authority (DTA) Operations structure. On March 3, 2022, AET's Eric P. Oleson, a certified MN Asbestos Building Inspector, visited the Site and collected a total of twenty-seven bulk samples from the above location. AET submitted the samples to Eurofins EMLab P&K, a National Voluntary Laboratory Accreditation Program (NVLAP) accredited laboratory, for analysis of asbestos content by polarized light microscopy (PLM).

## INSPECTION SUMMARY

AET visited the Site, visually inspected the areas designated by you as to be renovated, identified, and sampled various floor tiles and their associated mastic as well as other suspect containing materials in these areas of the structure. Four (4) of the samples of the twenty-seven (27) samples were identified as CONTAINING asbestos. The four samples, ASB-13, ASB-16, ASB-18, and ASB-23 were obtained from 12" x 12" floor tile with black and or black/yellow mastic.

Limited Asbestos Testing Report DTA, Duluth, MN March 21, 2022 AET Report No. P-0009881



The asbestos percentage from these (4) samples were all at 3% Chrysotile and were noted in the mastic attached to these floor tiles. Sample ASB-13 was from tan 12" x 12" floor tile and found adjacent to Mike Ailhem's office, and approximately 800 square feet, ASB-16 a light gray 12" x 12" floor tile found in the lunch room and connecting hallway at approximately 2,800 square feet, ASB-18 a red/brown 12" X 12" floor tile found in the men's locker lounge and presumed as in the women's locker area at approximately 1,960 square feet and ASB-23 a brown 12" x 12" floor tile found in the maintenance offices/hallway and lunch room areas at approximately 1,600 square feet.

Prior to commencing demolition activities, these materials must be removed by a licensed asbestos abatement company using certified supervisors and workers.

The remaining twenty-three (23) samples were determined to NOT CONTAIN asbestos. The analytical results, laboratory certification, and personnel certifications are attached.

## STANDARD OF CARE

The services performed by American Engineering Testing, Inc. for this project include observations and interpretations which represent our professional opinions. We have endeavored to conduct our engineering services for this project in a manner consistent with that level of skill and care ordinarily exercised by other members of the profession currently practicing in this area, under similar budgetary and time constraints. No other warranty, expressed or implied, is made.

Sincerely,

**American Engineering Testing** 

Prepared by:

Eric P. Oleson

**Environmental Project Manager** 

**Attachments** 

Asbestos Analytical Results Laboratory Certifications Personnel Certificates



Report for:

Eric Oleson American Engineering Testing Inc 550 Cleveland Avenue N. Saint Paul, MN 55114

# **REVIEWED**

By Eric Oleson at 10:27 am, Mar 21, 2022

Regarding: Project: P-0009881; DTA

EML ID: 2867518

Approved by:

Approved Signatory

Balu Krishnan

Dates of Analysis: Asbestos PLM: 03-08-2022

Service SOPs: Asbestos PLM (EPA 40CFR App E to Sub E of Part 763 & EPA METHOD 600/R-93-116, SOP EM-AS-S-1267) NVLAP Lab Code 200844-0

All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. The results relate only to the samples as received and tested. The results include an inherent uncertainty of measurement associated with estimating percentages by polarized light microscopy. Measurement uncertainty data for sample results with >1% asbestos concentration can be provided when requested.

Eurofins EMLab P&K ("the Company") shall have no liability to the client or the client's customer with respect to decisions or recommendations made, actions taken or courses of conduct implemented by either the client or the client's customer as a result of or based upon the Test Results. In no event shall the Company be liable to the client with respect to the Test Results except for the Company's own willful misconduct or gross negligence nor shall the Company be liable for incidental or consequential damages or lost profits or revenues to the fullest extent such liability may be disclaimed by law, even if the Company has been advised of the possibility of such damages, lost profits or lost revenues. In no event shall the Company's liability with respect to the Test Results exceed the amount paid to the Company by the client therefor.

Lab ID-Version 1: 13747481-1

Lab ID-Version 1: 13747482-1

3000 Lincoln Drive East, Suite A, Marlton, NJ 08053 (866) 871-1984 Fax (856) 334-1040 www.emlab.com

Client: American Engineering Testing Inc

C/O: Eric Oleson Re: P-0009881; DTA Date of Sampling: 03-03-2022 Date of Receipt: 03-04-2022 Date of Report: 03-08-2022

### ASBESTOS PLM REPORT

**Total Samples Submitted:** 27

**Total Samples Analyzed:** 27

**Total Samples with Layer Asbestos Content > 1%:** 4

Location: ASB-1, Carpet Glue	Lab ID-Version‡: 13747480-1
Sample Layers	Asbestos Content
Yellow Glue	ND
Sample Composite Homogeneity:	Good

Location: ASB-2. Ceiling tile

Sample Layers	Asbestos Content
Gray Ceiling Tile with White Surface	ND
Composite Non-Asbestos Content:	55% Mineral Wool 30% Cellulose
Sample Composite Homogeneity:	Good

Location: ASB-3, Kick plate

Sample Layers	Asbestos Content
White Baseboard	ND
Sample Composite Homogeneity:	Good

Location: ASB-4, Ceramic FL tile	Lab ID-Version‡: 13747483-1
Sample Layers	Asbestos Content
Tan Ceramic Tile	ND
Sample Composite Homogeneity:	Good

The test report shall not be reproduced except in full, without written approval of the laboratory. The report must not be used by the client to claim product certification, approval, or endorsement by any agency of the federal government. Eurofins EMLab P&K reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified.

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.

Lab ID-Version +: 13747487-1

3000 Lincoln Drive East, Suite A, Marlton, NJ 08053 (866) 871-1984 Fax (856) 334-1040 www.emlab.com

Client: American Engineering Testing Inc

C/O: Eric Oleson Re: P-0009881; DTA Date of Sampling: 03-03-2022 Date of Receipt: 03-04-2022 Date of Report: 03-08-2022

### ASBESTOS PLM REPORT

**Location: ASB-5, Kick plate** Lab ID-Version : 13747484-1

Sample Layers	Asbestos Content
Brown Ceramic Tile	ND
Sample Composite Homogeneity:	Good

<b>Location: ASB-6, Drywall Joint Tape Compte</b>	Lab ID-Version‡: 13747485-1
Sample Layers	Asbestos Content
Brown Drywall with Brown Paper	ND
White Wallpaper	ND
White Joint Compound	ND
Composite Non-Asbestos Content:	25% Cellulose
Sample Composite Homogeneity:	Good

**Location: ASB-7, Ceiling tile** Lab ID-Version 1: 13747486-1

Sample Layers	Asbestos Content
Gray Ceiling Tile	ND
Composite Non-Asbestos Content:	55% Mineral Wool
	30% Cellulose
Sample Composite Homogeneity:	Good

Location: ASR-8 Ceramic Kickplate

Location: 115B o, Ceramic Mexplate	Date ID Version <sub>4</sub> . 157 17 107 1
Sample Layers	Asbestos Content
Brown Ceramic Tile	ND
Black Grout	ND
Sample Composite Homogeneity:	Good

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Client: American Engineering Testing Inc

C/O: Eric Oleson Re: P-0009881; DTA Date of Sampling: 03-03-2022 Date of Receipt: 03-04-2022 Date of Report: 03-08-2022

### ASBESTOS PLM REPORT

Lab ID-Version‡: 13747488-1

Sample Layers	Asbestos Content
Yellow Glue	ND
Sample Composite Homogeneity:	Good

**Location: ASB-10, Drywall Joint Paper** 

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Sample Layers	Asbestos Content
White Drywall with Brown Paper	ND
White Wallpaper	ND
Composite Non-Asbestos Content:	30% Cellulose
Sample Composite Homogeneity:	Good

Location: ASB-11, Kick Plate Lab ID-Version‡: 13747490-1

Sample Layers	Asbestos Content
Purple Baseboard	ND
Yellow Mastic	ND
Sample Composite Homogeneity:	Good

Location: ASB-12, Ceiling tile

Lab ID-Version‡: 13747491-1

Sample Layers	Asbestos Content
White Ceiling Tile	ND
Composite Non-Asbestos Content:	80% Mineral Wool
Sample Composite Homogeneity:	Good

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Lab ID-Version : 13747492-1

Lab ID-Version‡: 13747494-1

Lab ID-Version 1: 13747495-1

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Client: American Engineering Testing Inc

C/O: Eric Oleson Re: P-0009881; DTA Date of Sampling: 03-03-2022 Date of Receipt: 03-04-2022 Date of Report: 03-08-2022

### ASBESTOS PLM REPORT

Location: ASB-13, 12"x12" Floor tile

Sample Layers	Asbestos Content
Tan Floor Tile	ND
Black/Yellow Mastic	3% Chrysotile
Sample Composite Homogeneity:	Good

Location: ASB-14, Ceiling tile	Lab ID-Version‡: 13747493-1
Sample Layers	Asbestos Content
White Ceiling Tile with White Surface	ND
Composite Non-Asbestos Content:	90% Mineral Wool
Sample Composite Homogeneity:	Good

Location: ASB-15, Br Kickplate

Sample Layers	Asbestos Content
Gray Baseboard	ND
Yellow Mastic	ND
Sample Composite Homogeneity:	Good

Location: ASB-16, 12"x12" floor tile

20cation: 1152 10, 12 A12 11001 the	
Sample Layers	Asbestos Content
Light Gray Floor Tile	ND
Black Mastic	3% Chrysotile
Sample Composite Homogeneity:	Good

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Lab ID-Version‡: 13747497-1

Lab ID-Version 1: 13747498-1

Lab ID-Version 1: 13747499-1

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Client: American Engineering Testing Inc

C/O: Eric Oleson Re: P-0009881; DTA Date of Sampling: 03-03-2022 Date of Receipt: 03-04-2022 Date of Report: 03-08-2022

### ASBESTOS PLM REPORT

Location: ASB-17, Ceiling tile

Lab ID-Version‡: 13747496-1

Sample Layers	Asbestos Content
Gray Ceiling Tile with White Surface	ND
Composite Non-Asbestos Content:	50% Cellulose
_	15% Mineral Wool
Sample Composite Homogeneity:	Good

### Location: ASB-18, 12"x12" Red/Br floor tile

Sample Layers	Asbestos Content
Brown Floor Tile	ND
Black Mastic	3% Chrysotile
Sample Composite Homogeneity:	Good

### Location: ASB-19, Ceramic flooring

	•
Sample Layers	Asbestos Content
White Ceramic Tile	ND
Gray Grout	ND
Sample Composite Homogeneity:	Good

### Location: ASB-20, Kick plate

Sample Layers	Asbestos Content
Black Baseboard	ND
White Mastic	ND
Dark Brown Mastic	ND
Sample Composite Homogeneity:	Good

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Lab ID-Version‡: 13747500-1

Lab ID-Version 1: 13747501-1

Lab ID-Version : 13747502-1

Lab ID-Version 1: 13747503-1

3000 Lincoln Drive East, Suite A, Marlton, NJ 08053 (866) 871-1984 Fax (856) 334-1040 www.emlab.com

Client: American Engineering Testing Inc

C/O: Eric Oleson Re: P-0009881; DTA Date of Sampling: 03-03-2022 Date of Receipt: 03-04-2022 Date of Report: 03-08-2022

### ASBESTOS PLM REPORT

**Location: ASB-21, Drywall Joint paper** 

Sample Layers	Asbestos Content
Gray Drywall with Brown Paper	ND
White Joint Compound with Paint	ND
Composite Non-Asbestos Content:	10% Cellulose
Sample Composite Homogeneity:	Good

Location: ASB-22, 12"x12" floor tile

Sample Layers	Asbestos Content
Cream Floor Tile	ND
Yellow Mastic	ND
Sample Composite Homogeneity:	Good

Location: ASB-23, 12"x12" Brown floor tile

Sample Layers	Asbestos Content
Brown Floor Tile	ND
Black Mastic	3% Chrysotile
Sample Composite Homogeneity:	Good

**Location: ASB-24, Ceramic tile** 

Sample Layers	Asbestos Content
Off-White Ceramic Tile	ND
Gray Grout	ND
Beige Mortar	ND
Gray Concrete	ND
Sample Composite Homogeneity:	Good

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### ASBESTOS PLM REPORT

**Location: ASB-25, Ceiling tile** Lab ID-Version‡: 13747504-1

Sample Layers	Asbestos Content
Gray Ceiling Tile with White Surface	ND
Composite Non-Asbestos Content:	50% Cellulose
	15% Mineral Wool
Sample Composite Homogeneity:	Good

Location: ASB-26, Kick plate

Location: ASB-26, Kick plate	Lab ID-Version‡: 13747505-1								
Sample Layers	Asbestos Content								
Black Baseboard	ND								
Brown Mastic	ND								
White Joint Compound	ND								
Sample Composite Homogeneity:	Good								

Location: ASR-27 Drywall Joint Paper

Location: ASB-27, Drywall Joint Paper	Lab ID-Version‡: 13747506-1
Sample Layers	Asbestos Content
White Drywall with Brown Paper	ND
White Joint Compound with Paint	ND
Composite Non-Asbestos Content:	10% Cellulose
Sample Composite Homogeneity:	Good

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# United States Department of Commerce National Institute of Standards and Technology



# Certificate of Accreditation to ISO/IEC 17025:2017

**NVLAP LAB CODE: 200844-0** 

# **Eurofins EMLab P&K**

Marlton, NJ

is accredited by the National Voluntary Laboratory Accreditation Program for specific services, listed on the Scope of Accreditation, for:

# **Asbestos Fiber Analysis**

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communique dated January 2009).

2020-10-01 through 2021-09-30

Effective Dates



For the National Voluntary Laboratory Accreditation Program

### SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

### **Eurofins EMLab P&K**

3000 Lincoln Drive East, Suite A
Marlton, NJ 08053
Mrs. Claudia Palermo
Phone: 856-334-1002 Fax: 856-334-1040
Email: cpalermo@emlabpk.com
http://www.emlab.com

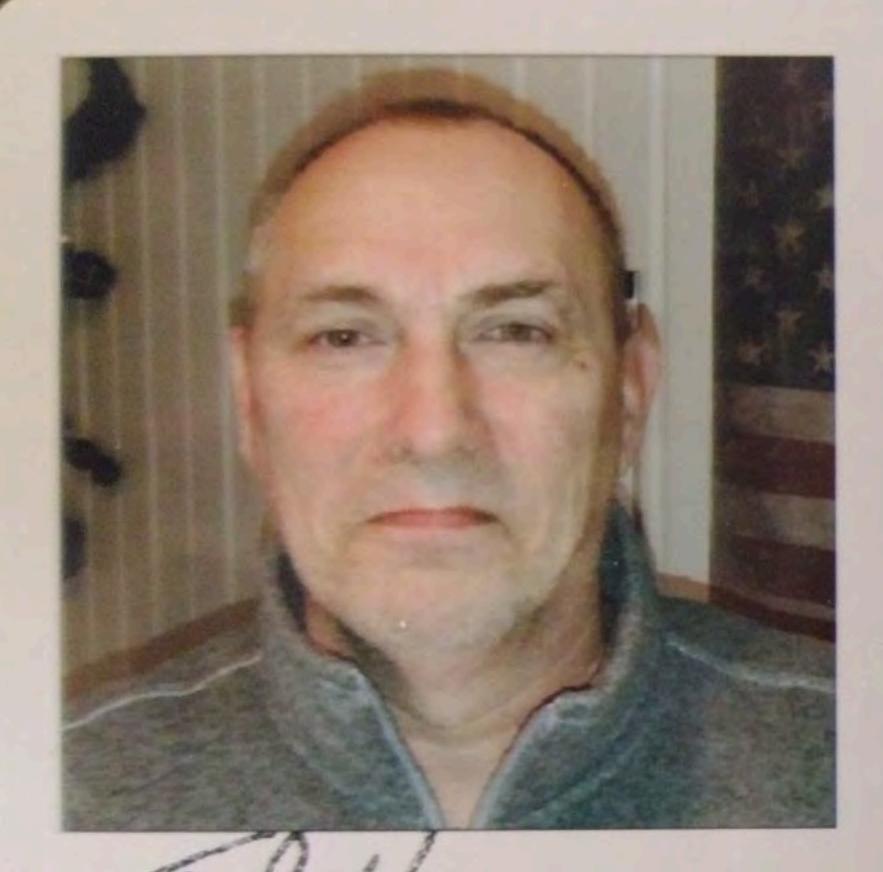
### ASBESTOS FIBER ANALYSIS

### **NVLAP LAB CODE 200844-0**

# **Bulk Asbestos Analysis**

<u>Code</u>	<u>Description</u>
18/A01	EPA 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples
18/A03	EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials







ASBESTOS DEPARTMENT INSPECTOR

Certified by: State of Minnesota Department of Health

Expires: 01/03/2023

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No. AI3007

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