



# TEM ENVIRONMENTAL, INC.

ENVIRONMENTAL SCIENTISTS | INDUSTRIAL HYGIENISTS

June 28, 2024

Mr. Andy DeLuca  
Universal Asbestos Removal  
148 S. Pinnacle Drive  
Romeoville, Illinois 60446  
Email: [adeluca@universalco.net](mailto:adeluca@universalco.net)

**Re: Asbestos Abatement Clearance Air Sampling Report  
Commercial Property – 2020 N. Clark Street, Chicago, Illinois 60614  
TEM Project No. 73784 – Lower-Level Retail Space – Flooring Abatement**

Dear Mr. DeLuca:

Attached please find the results of the asbestos abatement clearance air sampling performed by TEM Environmental, Inc. (TEM) at the above referenced location. Air sampling was performed to measure the concentration of total airborne fibers following the removal/abatement of asbestos containing floor tile and mastic from a lower-level retail space. Sampling and analysis were performed by TEM representative Mr. Elmer Spraggins II on June 28, 2024. Mr. Spraggins is licensed by the Illinois Department of Public Health as an Asbestos Air Sampling Professional.

NIOSH Test Method 7400 "Total Airborne Fibers" was used to collect and analyze air samples following the flooring abatement activities performed by Universal Asbestos Removal. NIOSH Test Method 7400 utilizes the collection of airborne particulate matter on mixed cellulose ester membrane filters and analysis of the fibrous portion by phase contrast microscopy at 400x magnification. The method factors in all particles meeting the physical definition of a fiber, greater than 5 microns in length and a length to width ratio greater than 3:1. TEM participates in the NIOSH PAT Program and the AIHA-AAR Program for this test method. Copies of results from the most recent rounds in these programs are available upon written request.

The results of the air sampling confirm the abatement work area located on the lower level of the property may be released for normal use and/or access without further restriction related to asbestos. See attached data table for details on the locations and results of each sample collected.

See Appendix A for Air Sampling Professional and Laboratory accreditations and Appendix B for sample chain of custody documentation and daily field log of observations.

Please feel free to call me directly at 630-790-0880 if you have any questions or require any additional information.

Sincerely,

**TEM Environmental, Inc.**

Daniel J. Juneau  
Vice President of Operations

TEM ENVIRONMENTAL, INC.  
174 N. BRANDON DRIVE  
GLENDALE HEIGHTS, ILLINOIS 60139

ASBESTOS ABATEMENT CLEARANCE AIR SAMPLING RESULTS  
COMMERCIAL PROPERTY – 2020 N. CLARK ST., CHICAGO, ILLINOIS 60426  
JUNE 28, 2024

PHASE CONTRAST MICROSCOPY (PCM) LABORATORY ANALYSIS REPORT

TEM PROJECT #: 73784  
JOB SITE: Lincoln Park West Condominium Building – 2020 N. Clark St., Chicago, Illinois 60610 (Lower Level – Retail Space)  
CLIENT: Universal Asbestos Removal  
AIR SAMPLING PROFESSIONAL: Mr. Elmer Spraggins II – Illinois Department of Public Health License #100-11102

Sample #	Pump Flow Rate (L/Min)	Sample Start Time	Sample Stop Time	Total Min. Sample Time	Volume (Liters)	Fibers Counted	Fields Counted	Results F/cc*	Sample Description/Location
ES062824-01	---	---	---	---	---	0	100	---	Field Blank
ES062824-02	---	---	---	---	---	0	100	---	Laboratory Blank
ES062824-03	10.0	9:10 am	11:10 am	120	1200	0	100	<0.004	Final Clearance – LL Retail Space – Flooring Containment North
ES062824-04	10.0	9:12 am	11:12 am	120	1200	0	100	<0.004	Final Clearance – LL Retail Space – Flooring Containment East
ES062824-05	10.0	9:14 am	11:14 am	120	1200	1	100	<0.004	Final Clearance – LL Retail Space – Flooring Containment West
ES062824-06	10.0	9:16 am	11:16 am	120	1200	2	100	<0.004	Final Clearance – LL Retail Space – Flooring Containment Center
ES062824-07	10.0	9:17 am	11:17 am	120	1200	02	100	<0.004	Final Clearance – LL Retail Space – Flooring Containment South

\*F/cc denotes Fibers per Cubic Centimeter of Air

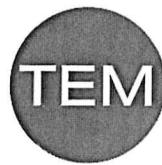
Collected By: Elmer Spraggins II – TEM Environmental Licensed Asbestos Air Sampling Professional (NIOSH Test Method 7400). License #100-11102

Analyzed By: Elmer Spraggins II/TEM Environmental AIHA PAT Accredited Laboratory (NIOSH Test Method 7400).

Scope of Asbestos Abatement:

Removal/abatement of approximately 3,500 SF of asbestos containing floor tile and mastic utilizing non-friable work practices and procedures from a lower level retain space.

\*Note\* In accordance with the Illinois Department of Public Health Commercial and Public Building Asbestos Abatement Act (255 ILCS 207 Section 855.220(d)(4), each clearance sample result, following asbestos abatement operations, shall be less than or equal to 0.01 f/cc.



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## **APPENDIX A**

*Air Sampling Professional License and Accreditation*

*Laboratory Accreditation*



ASBESTOS  
PROFESSIONAL  
LICENSE

ID NUMBER  
100 - 11102

ISSUED  
4/11/2024

EXPIRES  
05/15/2025

ELMER SPRAGGINS II  
12823 S GREEN  
CHICAGO, IL 60643

Environmental Health

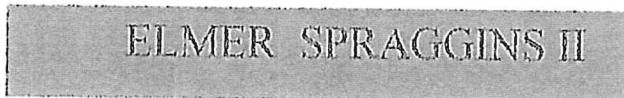


Larry Jackson & Associates, LTD.  
9357 S. Kingston \* Chicago, IL. 60617

THIS  
THAT

CERTIFIES

ELMER SPRAGGINS II

  
*Has successfully completed the*  
**NIOSH 582 COURSE**

*Sampling and Evaluating Airborne Asbestos Dust*

With a minimum score of 70 percent or greater for accreditation.

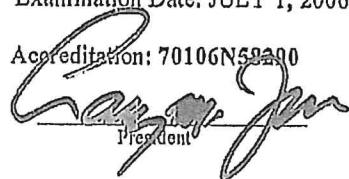
Course Date: JUNE 26—JULY 1, 2006

Examination Date: JULY 1, 2006

Expiration Date: NONE

Accreditation: 70106N59200

This course is fully approved by the Illinois Department  
of Public Health for the purpose of accreditation.

  
Larry Jackson  
President

IHPAT Round 236  
Proficiency Testing Performance for Participant ID: PAT-101151  
TEM Environmental, Inc.  
174 N Brandon Dr  
Glendale Heights, IL 60139-2025

3120 Fairview Park Drive, Suite 360, Falls Church, VA 22042 USA  
main 1+ 703-846-0757 fax 1+ 703-207-8558  
email [info.pat@aiha.org](mailto:info.pat@aiha.org) web <http://www.aihapat.org>

Page 1 of 2  
Report Issue Date: 02/15/2024

This report contains your organization's IHPAT Proficiency Analytical Testing results for **IHPAT Round 236**. It is the participant's responsibility to thoroughly review the information in this final report and to immediately contact the AIHA Proficiency Analytical Testing Programs, in writing, if any errors are found.

#### IHPAT Results

The final report is comprised of two sections relating to IHPAT Round 236. The first section contains your organization's results listed per analyte, per sample. The second section contains your current performance and performance from the two previous rounds, respectively (where applicable). Summary results for all participants for IHPAT Round 236 are located in a separate report.

#### Testing Results for IHPAT Round 236

This part of the report contains your organization's results listed per analyte, per sample.

Contaminant	Unit	#	Result	Ref. Value	Lower Limit	Upper Limit	z-Score	Rating
Asbestos (ASB)	f/mm <sup>2</sup>	1	280	241	135	377	1	A
	f/mm <sup>2</sup>	2	400	385	209	615	0.2	A
	f/mm <sup>2</sup>	3	199	135	80	203	3.2	A
	f/mm <sup>2</sup>	4	103	137	78	213	-1.5	A

#### Statistical Analysis Interpretation Note:

Reference value is the mean of the reference group.

Lower limit = reference value - 3 standard deviations; Upper limit = reference value + 3 standard deviations

z-Score = (reported result - reference value)/standard deviation. Note: z-Scores indicate how far a particular score is away from the mean. A - Acceptable\* Analysis; U - Unacceptable Analysis; E - Excused Absence

Fiber data are positively skewed therefore transformations are used to obtain approximately normal distributions. Both the assigned values and acceptance limits are based on consensus of the reference group.

\*The acceptability of reported results is based on upper and lower acceptance limits. A reported result may appear acceptable/unacceptable according to z-Score, but be identified as an outlier based upon the acceptance limits. Any non-participation or non-reporting of PAT data will result in unacceptable results (see PAT Programs Participation Policies, Section 2.1.6.2.).

Measurement uncertainty of any assigned value is also available on the respective certificate of analysis for the round.

#### Technical Comment:

Silica Sample 1 did not pass scoring acceptance criteria and was not scored.

**Overall Performance Summary Concluding with IHPAT Round 236**

The following table contains your organization's current and two previous test rounds performance respectively (where applicable). For more information in regard to the determination of proficiency, please visit: [www.aihapat.org](http://www.aihapat.org).

Analyte Class	Round	Round Score	Round Performance	Proficiency Status - Three Round Score
Asbestos	234	4/4	PASS	
	235	4/4	PASS	
	236	4/4	PASS	PROFICIENT

**Interpretation Notes:**

The denominators represent the total number of samples analyzed. The numerators represent the number of acceptable results.

Pass: Round Score greater than or equal to 75%

Fail: Round Score less than 75%

P - Proficient; NP - Non-proficient; I - Indeterminate (not enough rounds to determine proficiency)

A participant is rated proficient for the applicable IHPAT analyte group if the participant has a passing score for the applicable IHPAT analyte group in two (2) of the last three (3) consecutive PT rounds. A participant is rated non-proficient for the applicable PT analyte group if the participant has failing scores for the associated PT analyte group in two (2) of the last three (3) consecutive PT rounds.

Additional information on the following items are available in the IHPAT Scheme Plan:

Procedures used to statistically analyze the data, establish the assigned value and standard deviation for proficiency assessment, or other criteria for evaluation; details of the metrological traceability and measurement uncertainty of the assigned value; information about design and implementation of PT scheme. The Industrial Hygiene Scheme Plan is available in the PAT Portal. Measurement uncertainty of any assigned value is also available on the respective certificate of analysis for the round.

Participants shall not describe their proficiency status in a manner that implies accreditation, certification or variations thereof. PAT results pertain only to the participant organization at the location listed on this results report. AIHA PAT Programs makes every effort to ensure that individual participant results are kept confidential and are not made public. Round results are only released to the participant and those entities requiring this information for accreditation, regulatory and contract purposes. New participants are made aware of the arrangement in advance of participation and consent is sought prior to the release of records for participants. PAT reports may not be reproduced or distributed unless copied in its entirety.

IHPAT samples are generated, verified, packaged, and shipped by RTI International under contract with AIHA Proficiency Analytical Testing Programs. Unless otherwise noted, sample homogeneity and stability criteria were satisfied for all samples.

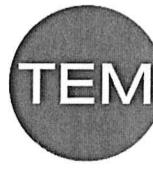
Authorized by:

David Clawson

Senior Manager, Technical and Quality

AIHA PAT Programs

dclawson@aiha.org



**TEM ENVIRONMENTAL, INC.**

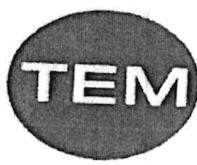
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## **APPENDIX B**

*Air Sampling Field Data Sheet and Daily Log*



Final Clearances - Asbestos Abatement  
- Flooring Removal Project



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## DAILY PROJECT FIELD REPORT

TEM Project Number: 73784

Date: 6/28/24

Project/Client Name: Universal [REDACTED]

PM/ASP: Elmer Sprenger II

Site Location: Lincoln Park West Condominium Building Work Area(s): Lower level

Work Description: Clearances

Retail Space

Contractor: Universal

Work Hours: 4

Supervisor Name:

Number of Workers: 1

### Description and Discussions of Daily Activities:

8:30-9

Arrived on site met with supervisor, Ken, went through final walk through of completed work area.

9:10-9:15  
Calibrated monitors and placed them in their designated area. Attached cassettes. Clearance samples began running.

10:15  
Clearance samples are finished

11:15  
Recalibrated and collected all monitors and cassettes

Results

LO.004 f/cu

all f/f

Reviewed by

Elmer Sprenger II  
6/28/24

Project Manager's Signature

Elmer Sprenger II

License #: 100-11102