A-Tech Consulting, Inc.

Atch-190677
Asbestos TEM Clearance Letter
5151 State University Drive
Los Angeles, California 90032

March 25, 2019

California State University, Los Angeles
5151 State University Drive
Los Angeles, California 90032

Attn: Mr. Robert Salerno

Re: California State University, Los Angeles
5151 State University Drive, King Hall, Room D139
Los Angeles, California 90032

On March 23, 2019, A-Tech Consulting, Inc. (A-Tech) conducted a visual clearance inspection subsequent to the asbestos abatement of King Hall, Room D139 at the subject site. Abatement activities and engineering control methods utilized during this project are at the sole discretion of the owner and contractor and independent of any previous recommendations or involvement of A-Tech. All areas located outside the abatement areas outlined in this letter are outside the scope of this asbestos abatement clearance, unless otherwise specified.

CONCLUSION

Subsequent to the completion of asbestos abatement, a final visual inspection and clearance air monitoring was conducted. Per the final visual inspection and clearance air monitoring, the identified asbestos containing materials (see attached *Material Removed Form* for further details) have been properly removed from Room D139 in accordance with current regulatory requirements. The laboratory analysis of the air samples analyzed by Transmission Electron Microscopy (TEM) indicated the air fiber concentrations were below the Environmental Protection Agency's (EPA) clearance criteria, for schools K-12, of 70 s/mm2. Based on this, the above referenced site is safe for renovation, repairs and/or reoccupation.

LIMITATIONS

The conclusions presented in this document are professional opinions based solely upon our observations at the site and air sample analysis. They are intended exclusively for the purpose outlined herein and for the site location and project indicated. Areas not included in this abatement project scope as defined in this clearance documentation are excluded.

A-Tech assumes no responsibility for the protection of any and all project contract workers from asbestos exposure.

Services performed by A-Tech were conducted in a manner above the care and skill ordinarily and currently exercised by members of the same profession that even the most comprehensive scope of services might fail to detect environmental liabilities at a particular site. A-Tech makes no representation or warranty that any abatement activity will result in the complete elimination of the hazardous material(s) from any area(s) described in this document.

No expressed or implied representation or warranty is included or intended in this document, except that our services were performed, within the limits prescribed by the scope of services, with the customary thoroughness and competence of our profession.

Information and opinions presented herein apply to the existing and reasonable foreseeable site conditions at the time of our post abatement clearance. They cannot necessarily apply to site changes of which we are unaware of and has not had the opportunity to review. A-Tech makes no representation or warranty regarding hazardous material(s) in area(s) including adjoining area(s) not specifically identified in this document.

Changes in applicable standards may also occur as a result of legislation or the broadening of knowledge. Accordingly, the findings of this document may be invalidated, wholly or in part by changes beyond our control. A-Tech does not warrant that the site inspection would satisfy the dictates of, or provide a legal defense in connection with environmental guidelines, laws, or regulations. This document is not for the purpose of determining potential health risks associated with any hazardous materials. Any individuals with health concerns should consult their physician.

A-Tech trusts that the information presented herein provides you with the information and supporting data you require. Should you have any questions or comments, please do not hesitate to contact the undersigned professional at A-Tech Consulting, Inc. (800) 434-1025.

Respectfully submitted,

A-Tech Consulting, Inc.



Robert L. Williams, DPH, CAC, CIEC
Certified Asbestos Consultant #96-1980

A-Tech Consulting, Inc.

Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM)

Client Name: California State University, Los Angeles **A-Tech Project Number:** 190677

Location: California State University, Los Angeles, 5151 State University Drive, King Hall, Room D139

Sample Number	Date Sampled	Sample Location	Sample Description	Flow Rate 1	Flow Rate 2	Flow Rate Average	Time On	Time Off	Minutes	Volume (Liters)	Inside Work Area/Outside Work Area	Asbestos Structures	Concentration
190677-TEM-0001	03/23/2019	Room D139, West Wall	Clearance	10.00	10.00	10	07:55 AM	10:00 AM	125	1,250	IWA	None Detected	<16.00 s/mm^2
190677-TEM-0002	03/23/2019	Room D139, East Wall	Clearance	10.00	10.00	10	07:56 AM	10:01 AM	125	1,250	IWA	None Detected	<16.00 s/mm^2
190677-TEM-0003	03/23/2019	Room D139, Middle	Clearance	10.00	10.00	10	07:57 AM	10:02 AM	125	1,250	IWA	None Detected	<16.00 s/mm^2
190677-TEM-0004	03/23/2019	Room D139, Vestibule, East Wall	Clearance	10.00	10.00	10	07:58 AM	10:03 AM	125	1,250	IWA	None Detected	<16.00 s/mm^2
190677-TEM-0005	03/23/2019	Room D139, Room Next to Vestibule, East Wall	Clearance	10.00	10.00	10	07:59 AM	10:04 AM	125	1,250	IWA	None Detected	<16.00 s/mm^2

Comments:
(1) Unless otherwise noted, all samples were analyzed utilizing NIOSH 7400 Counting Rules.

1748 W. Katella Avenue, Suite 112, Orange, CA 92867
Phone (714) 434-6360 Fax (714) 221-6360
Web Address: www.atechinc.net

A-Tech Consulting, Inc.

Material Removed Form

Client Name: California State University, Los Angeles **A-Tech Project Number:** 190677

Location: California State University, Los Angeles, 5151 State University Drive, King Hall, Room D139

Date	Area	Material	Classification	Quantity Removed
03/23/2019	King Hall, Room D139	Black Mastic	Asbestos	Approx. 400 SF
03/23/2019	King Hall, Room D139	4” Brown Cove Base/Cove Base Mastic	Asbestos	Approx. 100 LF

1748 W. Katella Avenue, Suite 112, Orange, CA 92867
Phone (714) 434-6360 Fax (714) 221-6360
Web Address: www.atechinc.net

LA Testing

520 Mission Street South Pasadena, CA 91030

Tel/Fax: (323) 254-9960 / (323) 254-9982

http://www.LATesting.com / pasadenalab@latesting.com

LA Testing Order: 321907480
Customer ID: 32ATEC93
Customer PO:
Project ID:

Attention: Robert Williams
A-Tech Environmental Consulting
1748 W. Katella Avenue, Suite 112
Orange, CA 92867

Phone: (714) 434-6360
Fax:
Received Date: 03/23/2019 10:45 AM
Analysis Date: 03/23/2019
Collected Date:

Project: Cal State University- King Hall, Room D139 A- Tech 190677

Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by EPA 40 CFR Part 763 Appendix A to Subpart E

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Type(s)	#Structures ≥0.5µ < 5µ	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
TEM-01		1250.00	0.0645	0	None Detected	0	0	0.0048	<16.00	<0.0048
321907480-0001										
TEM-02		1250.00	0.0645	0	None Detected	0	0	0.0048	<16.00	<0.0048
321907480-0002										
TEM-03		1250.00	0.0645	0	None Detected	0	0	0.0048	<16.00	<0.0048
321907480-0003										
TEM-04		1250.00	0.0645	0	None Detected	0	0	0.0048	<16.00	<0.0048
321907480-0004										
TEM-05		1250.00	0.0645	0	None Detected	0	0	0.0048	<16.00	<0.0048
321907480-0005										

Analyst(s)

Sherrie Ahmad (5)

Jerry Drapala Ph.D, Laboratory Manager
or other approved signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government. Results reported in both structures/cm3 and structures/mm2 are dependent on the volume of air sampled and measured by non-laboratory personnel are not the responsibility of EMSL and are not covered by the laboratory's NVLAP accreditation . Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request.

Samples analyzed by LA Testing South Pasadena, CA NVLAP Lab Code 200232-0

Initial report from: 03/23/2019 14:30 PM

OrderID: 321907480

A-Tech Consulting, Inc.

#321907480

Company: A-Tech Consulting, Inc.
Address: 1748 W. Katella Avenue, Suite 112
City: Orange
State: CA Zip Code: 92867

Phone Number: (714) 434-6360
Fax Number: (714) 221-6360
Attn: Robert Williams
Results: Email to labs@atechinc.net

Project Name & Number: Cal State University - King Hall, Room D139, A-TECH 190677

ASBESTOS	3 Hour	6 Hour	24 Hour	48 Hour	72 Hour	5 Day
PLM-BULK						
EPA 600/R-93/116						
EPA Point Count -400						
EPA Point Count-1000						
TEM-MICRO VAC						
Qualitative (Pos/Neg)	N/A					
Quantitative ASTM	N/A					
PCM-AIR						
NIOSH 7400 (A) Issue 2:August 1994						
OSHA w/TWA						
PARTICULATES						
NIOSH 0500	N/A	N/A				
NIOSH 0600	N/A	N/A				

LEAD	3 Hour	6 Hour	24 Hour	48 Hour	72 Hour	5 Day
Chips EPA 3050/7420						
Wipes NIOSH 7082						
Soil EPA 3050/7420						
Air NIOSH 7082						
TTLC (Ceramic Tile)	N/A					

OTHER SAMPLES	3 Hour	6 Hour	24 Hour	48 Hour	72 Hour	5 Day
TEM - AHERA		X				

Volume Liters
TEM-01 = 1250L
TEM-02 = 1250L
TEM-03 = 1250L
TEM-04 = 1250L
TEM-05 = 1250L

Client Sample Number: TEM-01 - 05 Total: 5

Relinquished: Conan Williams Date: 3/23 Time: 11:00A
Received: Fedex (WI) Date: 3/23/19 Time: 10:45
Relinquished: Date: Time:
Received: Date: Time:

Fed Ex Yes __ Date Sent _____ No __ Laboratory:
Notes: