A-Tech Consulting, Inc.
1748 W. Katella Ave. Suite 112 Orange, CA 92867
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LIMITED ASBESTOS SURVEY

California State University, Los Angeles

5151 State University Drive, King Hall, Room B1024

City of Los Angeles
County of Los Angeles
State of California

Project Number: Atch-190577

March 15, 2019

PREPARED FOR:

California State University, Los Angeles

PRIVILEGED & CONFIDENTIAL

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Cover

ASBESTOS

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Atch-190577
Limited Asbestos Survey
5151 State University Drive
Los Angeles, California 90032

March 15, 2019

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

Attn: Mr. Robert Salerno

Re: California State University, Los Angeles
5151 State University Drive, King Hall, Room B1024
Los Angeles, California 90032

Pursuant to your request, A-Tech Consulting, Inc. (A-Tech) has completed a Limited Asbestos Survey of King Hall, Room B1024 at California State University, Los Angeles at 5151 State University Drive in Los Angeles, California. The following report summarizes the findings of this inspection.

1.0 INTRODUCTION

A-Tech was contacted by Mr. Robert Salerno with California State University, Los Angeles to confirm the presence or absence of asbestos in King Hall, Room B1024 of California State University, Los Angeles located at 5151 State University Drive (subject property), in Los Angeles, California. The survey was conducted by Louis Jimenez - CSST #15-5536 with A-Tech on March 12, 2019. This report is not intended to be a comprehensive survey.

2.0 SCOPE OF SURVEY

The limited asbestos survey was performed to identify visible and/or readily accessible suspect friable and non-friable Asbestos Containing Building Materials (ACBMs) at a subject property. The intent of this survey was to satisfy all regulatory requirements for renovation and/or demolition. Friable ACM, as defined by the U.S. Environmental Protection Agency (EPA) and South Coast Air Quality Management District (SCAQMD), Rule 1403, is a material that, when dry, can be easily pulverized, crushed or reduced to powder by hand pressure. Non-friable ACBM that can potentially be broken, crumbled, pulverized or reduced to powder in the course of demolition or renovation activities are classified as Class I or Class II, non-friable ACBM. These surveys are typically accomplished by, and limited to, an in-depth site reconnaissance, a review of readily available building records, and a review of readily available asbestos operation and maintenance (O&M) plans. In the event that suspected or known ACBMs exist at a given site, samples of the potential ACBMs may be collected for subsequent laboratory analysis.

This inspection was limited to representative locations in the project area that may be affected by the renovation activities. Limited intrusive and/or non-destructive sampling was conducted as a part of the scope of services performed. If additional suspect materials are observed by the contractor, abatement contractor, building owner and/or its representatives, A-Tech should be notified to conduct additional testing. Certain materials may not have been visible/accessible during the initial survey such as subsurface materials, live electrical equipment, materials in pipe chases, barrier paper under wood, sub-slab membranes, materials under the building structure, in wall and ceiling cavities, etc.

This Limited Asbestos Survey was conducted in accordance with the scope of services authorized by Mr. Robert Salerno with California State University, Los Angeles in accordance with current regulatory guidelines. All sampling was conducted at the direction of Mr. Robert Salerno and was limited to the areas and materials with the potential for impact during any upcoming renovation activities.

3.0 PREVIOUS SURVEY/HISTORICAL DATA

No prior asbestos related documentation for the subject property was reviewed or made available.

4.0 VISUAL INSPECTION AND SAMPLING/ANALYTICAL METHODOLOGY

To identify suspect friable and non-friable ACBM, as required under California law, a California Occupational Safety Health Administration (CAL-OSHA), Certified Site Surveillance Technicians (CSST) and/or Certified Asbestos Consultant (CAC) is required to conduct visual and/or bulk surveys of a subject property.

During this survey, A-Tech identified homogenous areas of suspected ACBMs for purpose of sampling in accordance with current CAL-OSHA/EPA (AHERA) requirements. These areas were defined with respect to similarities in appearance, age, use, type, color, and/or texture. The condition and estimated quantity of the suspected materials were also assessed. Based upon A-Tech observations, one (1) homogeneous suspect asbestos containing building material identified. Only pre-selected materials delineated by California State University, Los Angeles were sampled during this inspection. Please refer to Appendix A for a complete list of sampled materials.

To evaluate the presence of asbestos in these suspected ACBMs, A-Tech Consulting, Inc. obtained three (3) bulk samples, which appeared to represent each homogeneous area (see tables). However, some of the samples analyzed may have multiple layers of material, which the laboratory is required to separate and analyze independently. The total amount of samples analyzed was six (6). Regarding multiple layered materials, if one layer tests positive for asbestos content, the entire sample is considered positive.

Whenever possible A-Tech does not conduct destructive sampling (with the exception of vacant buildings to be demolished). For example, samples of floor tile were collected by taking a small chip out of a corner or area that was already damaged.

After collecting each sample, the sampling equipment was cleaned with a moist towelette. Each sample was sealed in a sample container and assigned a discrete sample identification number.

5.0 LABORATORY ACCREDITATION & ANALYTICAL PROCEDURES

The three (3) samples obtained from the subject property were delivered to Aerobiology Laboratory Associates, Inc. of Huntington Beach, California (714) 895-8401 (under chain-of-custody procedures) for analysis. This Laboratory is a fully accredited laboratory by the National Institute of Standards and Technology (NIST) through participation in the National Voluntary Laboratory Accreditation Program (NVLAP) lab code #201076-0.

The samples were analyzed for asbestos by PLM, using dispersion staining in accordance with U.S. EPA Procedures outlined in 40 CFR 763, Subpart F, Appendix A (AHERA). Utilizing the PLM 600R/R-93/116 method, the result given is a semi-quantitative result (down to <1%) which reflects a calibrated visual estimate from an analyst using both Polarized Light Microscopy and Stereomicroscopy.

6.0 ASBESTOS IDENTIFICATION

Based upon the analytical results, asbestos is not present in the materials analyzed.

7.0 RECOMMENDATIONS

No recommendations are made at this time for the areas and materials sampled. However, this was not a comprehensive survey of the building and any impact of materials or areas not surveyed would require additional sampling.

8.0 LIMITATIONS

The conclusions presented in this report are professional opinions based solely upon visual observations at the site and laboratory analysis of the tested samples. They are intended exclusively for the purpose outlined herein, and for the site location and project indicated.

This survey report is not specifications for asbestos abatement and it should not be used as a stand-alone asbestos abatement bid document. Recognizing that even the most comprehensive survey may fail to detect ACBM at a particular site, this study was not intended to identify all potential ACBM present in the building or at the site for such reasons as the possible existence of buried, covered and inaccessible areas and features. A-Tech does not warrant that all sub-surface, wall cavity or other inaccessible materials were tested. A-Tech did not test any live electrical components or disassemble operational building equipment such as fans or HVAC components. These components may contain untested suspect ACBM's. If any suspect ACBMs not tested herein are discovered, they must be tested prior to impact.

A-Tech assumes no responsibility for the identification of suspect asbestos containing materials, which are not included in this survey, concealed and/or inaccessible (i.e. locked rooms, under carpet, etc.) However, A-Tech makes every attempt possible to inspect all designated areas for asbestos containing materials (i.e. check under carpeting, inspect attic, crawl space, etc.).

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 on a particular site. Therefore, A-Tech cannot act as insurers and cannot "certify" that a site is free of environmental contamination.

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

This report is intended for the sole use of the contracted Client and its authorized representatives. The exchange of information was unique between A-Tech and the client regarding the mutually agreed upon scope of service. Unless explicitly authorized in this report, no third party is beneficiary to the contract or findings of this report. The unauthorized use or reliance of this document or the findings, conclusion or recommendations presented herein, by any other party or parties is at the sole risk of any such third party. For the same reasons, no warranties or representations, expressed or implied in this report, are provided to any such third party.

Information and opinions presented herein apply to the existing and reasonable foreseeable site conditions at the time of our investigation. They cannot necessarily apply to site changes of which this office is unaware and have not had the opportunity to review. Changes in the conditions of this property may occur with time due to natural processes or works of man on the subject property or on adjacent properties. Changes in applicable standards may also occur as a result of legislation or the broadening of knowledge. Accordingly, the findings of this report may be invalidated, wholly or in part by changes beyond our control.

A-Tech trusts that the information presented herein provides the data you require. Should you have any questions or comments please contact A-Tech Consulting, Inc. at (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 Bulk Analysis

Client Name: California State University, Los Angeles **A-Tech Project Number:** 190577

Location: California State University, Los Angeles, 5151 State University Drive, King Hall, Room B1024

Sample Number	Material	Sample Locations	Pos/Neg	Asbestos Type - Percentage	Classification	Friability	Cond.	Access.	Est. Qty.
190577-A-0001	Hockey Puck Mastic	1st Floor, Room B1024	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
190577-A-0002	Hockey Puck Mastic	1st Floor, Room B1024	Negative	None Detected	N/A	N/A	N/A	N/A	N/A
190577-A-0003	Hockey Puck Mastic	1st Floor, Room B1024	Negative	None Detected	N/A	N/A	N/A	N/A	N/A

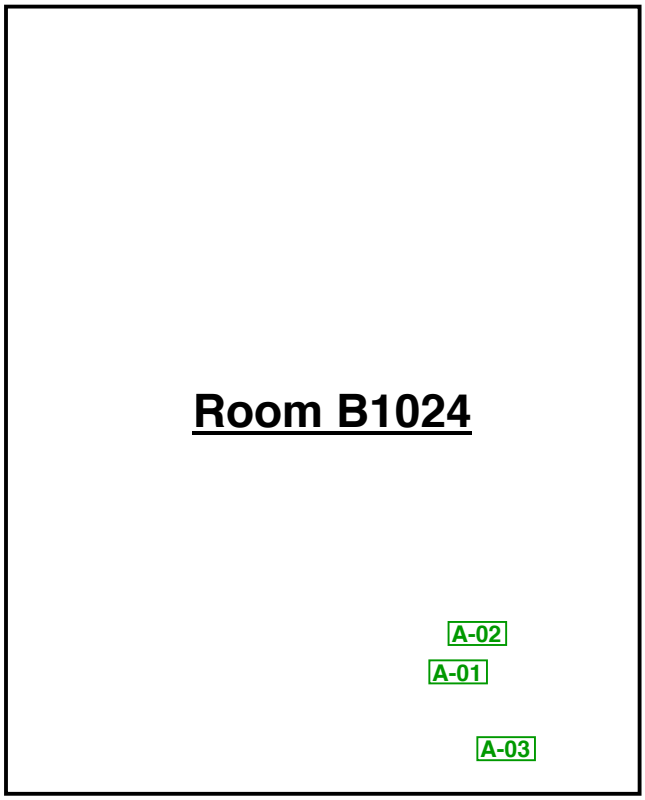
LEGEND:
N/A: Not Applicable

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N

Not to Scale

A-Tech Consulting, Inc.



King Hall

LEGEND:
A = Positive Asbestos Sample Locations
A = Negative Asbestos Sample Locations

Site Drawing - Asbestos - Page 1 of 1

California State University, Los Angeles
5151 State University Drive, King Hall
Los Angeles, CA 90032

Project #: Atch-190577	**California State University, Los Angeles**

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:	321906410
Customer ID:	32ATEC93
Customer PO:	
Project ID:	

Attention:	Robert L. Williams	**Phone:**	(714) 334-9399
	A-Tech Environmental Consulting	**Fax:**	
	1748 W. Katella Avenue, Suite 112	**Received Date:**	03/12/2019 11:55 AM
	Orange, CA 92867	**Analysis Date:**	03/13/2019
		Collected Date:	
Project:	5151 State University - 190577		

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
A-01-Mastic *321906410-0001*		Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
A-01-Fibrous Material *321906410-0001A*		Brown Fibrous Homogeneous	98% Cellulose	2% Non-fibrous (Other)	None Detected
A-02-Mastic *321906410-0002*		Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
A-02-Fibrous Material *321906410-0002A*		Brown Fibrous Homogeneous	98% Cellulose	2% Non-fibrous (Other)	None Detected
A-03-Mastic *321906410-0003*		Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
A-03-Fibrous Material *321906410-0003A*		Brown Fibrous Homogeneous	98% Cellulose	2% Non-fibrous (Other)	None Detected

Analyst(s)

John Talley (2)

Rosa Mendoza (4)

Jerry Drapala Ph.D, Laboratory Manager
or Other Approved Signatory

EMSL maintains liability limited to cost of analysis. The above analyses were performed in general compliance with Appendix E to Subpart E of 40 CFR (previously EPA 600/M4-82-020 "Interim Method"), but augmented with procedures outlined in the 1993 ("final") version of the method. 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. All samples received in acceptable condition unless otherwise noted. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. EMSL recommends gravimetric reduction for all non-friable organically bound materials prior to analysis. Estimation of uncertainty is available on request.

Samples analyzed by LA Testing South Pasadena, CA NVLAP Lab Code 200232-0, CA ELAP 2283

Initial report from: 03/13/2019 09:36:50

OrderID: 321906410

#321906410

A-Tech Consulting, Inc.

Company: A-Tech Consulting, Inc.
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State: CA **Zip Code:** 92867

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

Project Name & Number: #5151 STATE UNIVERSITY - 190577

ASBESTOS	3 Hour	6 Hour	24 Hour	48 Hour	72 Hour	5 Day
PLM-BULK						
EPA 600/R-93/116			X			
EPA Point Count -400						
EPA Point Count-1000						
TEM-MIRCO 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	N/A					

OTHER SAMPLES	3 Hour	6 Hour	24 Hour	48 Hour	72 Hour	5 Day

** Please Call After Each Analysis

Client Sample Number: A-01 - A-03 **Total:**

Relinquished: Louis Jimenez **Date:** 3/12/19 **Time:**
Received: T-Q (UNI) **Date:** 3-12-19 **Time:** 11:55 am

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