## **BID ADDENDUM #1**

May 12, 2023

To: **Prospective Bidders/Planholders** 

### Cafeteria Walk-Ins Replacement Project Project 23-414 California State University Stanislaus One University Circle, Turlock, CA 95382

This Addendum forms a part of the contract documents and modifies the original bidding documents. Addendum shall be noted as received and acknowledged on the Bid Proposal Form when submitted as outlined in the Bid Package referenced above.

The following corrections, additions, deletions, and/or modifications to the above package, by this reference, shall be incorporated therein:

### Addition:

• Provision of Asbestos & Lead Survey Report dated April 3, 2023

End of Addenda No. 1





## Asbestos & Lead Survey Report

Walk-In Freezer Replacement California State University, Stanislaus Cafeteria One University Circle Turlock, CA 95382

Prepared for:

Kat Marian, Sr. Director Campus Planning, Design, and Sustainability California State University, Stanislaus One University Circle Turlock, CA 95382 209-667-3211 | kmarian@csustan.edu

Prepared By:

### Chris Chipponeri, CAC, I/A Forensic Analytical Consulting Services

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FACS Project #PJ75471

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### List of Acronyms

AAS	Atomic Absorption Spectroscopy
ACCM	Asbestos Containing Construction Material
ACM	Asbestos Containing Material
AHERA	Asbestos Hazard Emergency Response Act
AIHA	American Industrial Hygiene Association
CAC	California - Certified Asbestos Consultant
Cal/OSHA	California Occupational Safety and Health Association
CCR	Code of California Regulations
CFR	Code of Federal Regulation
CSST	California – Certified Site Surveillance Technician
DOSH	Department of Occupational Safety and Health
ELAP	Environmental Laboratory Accreditation Program
EPA	Environmental Protection Agency (EPA)
FACS	Forensic Analytical Consulting Services, Inc.
FALI	Forensic Analytical Laboratories, Inc.
ND	None Detected
NESHAP	National Emissions Standard Hazardous Air Pollutants
NIOSH	National Institute for Occupational Safety and Health
NIST	National Institute of Science and Technology
NVLAP	National Voluntary Laboratory Accreditation Program
PCM	Phase Contrast Microscopy
PLM	Polarized Light Microscopy
SGS	SGS - Forensic Laboratories
TEM	Transmission Electron Microscopy
TTLC	Total Threshold Limit Concentration
XRF	X-Ray Fluorescence Spectrum Analyzer
<	Less Than Reporting Limit

4/3/2023

### **Executive Summary**

Forensic Analytical Consulting Services, Inc. (FACS) was retained by California State University, Stanislaus to perform an asbestos and lead paint survey of the walk-in freezers of the Cafeteria, located at One University Circle in Turlock, California. The survey included any suspect asbestos-containing materials (ACM) and suspect paints and coatings which may be disturbed during the planned renovation project. A summary list of suspect asbestos-containing materials which were identified and sampled is included in Appendix A of this report. A table reporting suspect lead-containing paints or coatings which were identified and sampled is included in Appendix B of this report. The survey was performed on March 14, 2023.

### Asbestos

The following suspect materials were sampled and identified to **contain** asbestos by laboratory analysis during this survey:

- Drywall Orange Peel Texture 2% Chrysotile
- Freezer Sealant Grey 5% Chrysotile

The following suspect materials were sampled and identified to **not contain** asbestos by laboratory analysis during this survey:

- Epoxy Tan Speck w/ Concrete
- 2x4 FCP Smooth
- Freezer Gasket Grey

Please see Appendix A for a complete listing of materials sampled at the work areas and results from this survey. Any suspect materials not included must be assumed to be asbestos-containing materials until tested and proven not to contain asbestos.

### Lead

The following paints/coatings did not contain detectable concentrations of lead above the laboratory's reporting limit:

### • White Paint on Drywall Wall

FACS recommends that the results of this report be incorporated into any renovation plans provided for this project for informational purposes.

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### Introduction

Forensic Analytical Consulting Services, Inc. (FACS) was retained by California State University, Stanislaus to perform an asbestos and lead paint survey of the walk-in freezers of the Cafeteria, located at One University Circle in Turlock, California. The survey included any suspect asbestos-containing materials (ACM) and suspect paints and coatings which may be disturbed during the planned renovation project. The survey was performed on March 14, 2023.

### Scope of Work

The purpose of this survey was to identify asbestos-containing materials (ACMs) and lead-containing paints and coatings which may be disturbed during the upcoming project. The visual inspection, bulk sampling, and survey documentation were performed by Tyler Faison and Trevor Leitz. Mr. Faison is a Division of Occupational Safety and Health (DOSH) Certified Asbestos Consultant (CAC #10-6824). Mr. Leitz is a Division of Occupational Safety and Health (DOSH) Certified Site Surveillance Technician (CSST #19-6682). The scope of the survey and the services provided by FACS included:

- Performing a visual inspection of the project area to identify accessible suspect asbestoscontaining materials (ACMs) and lead-containing paints and coatings that will be disturbed during the planned project;
- Collection of bulk material samples for asbestos laboratory analysis by polarized light microscopy (PLM);
- Collection of bulk paint chip samples for lead laboratory analysis using atomic absorption spectrometry (AAS);
- Ensuring the technical quality of all work by using Asbestos Hazard Emergency Response Act (AHERA) accredited Building Inspectors;
- Ensuring the technical quality of all work by using California Department of Public Health (CDPH) Certified Lead Sampling Technicians and Inspector/Assessors;
- Consolidating data and findings into a report format.

### **Site Characterization**

The cafeteria walk-in freezers were comprised of common construction materials such as epoxy flooring, drywall, sealants, and false ceiling panels. This survey was limited to the freezers within the building alone and does not include other spaces of the building or all suspect materials that may be present within building.

### **Survey Methods**

### **Document Review**

No previous documentation was reviewed prior to the inspection. The extent of the planned renovation project was provided by Kat Marian. Per request from the client, sampling of the roof system that may be impacted by the project was not performed by FACS.

### **Visual Inspection**

Accessible building materials were visually inspected using the methods presented in the Federal AHERA regulations (40 CFR, Part 763). AHERA inspection methodology is required to be used for inspections of K-12 schools and is generally accepted as the industry standard for all ACM inspections regardless of structure or facility type. Suspect ACMs were also physically assessed for friability, condition and possible disturbance factors.

All areas were accessible during this inspection.

### **Asbestos Inspection**

### **Bulk Sample Collection**

Bulk samples of identified homogeneous materials were collected in building areas that may be impacted by the planned renovation/demolition activities. Samples were collected of each separate homogeneous area. A homogeneous area is defined as a surfacing material, thermal system insulation, or miscellaneous material that is uniform in use, color and texture. Examples of homogeneous areas could include:

Vinyl floor tiles False ceiling panels Drywall with joint compound Vinyl sheet flooring

The specific number of samples collected was determined by using the methods required by the Federal AHERA regulations (40 CFR, Part 763.86) as noted below:

- 1) For Surfacing Material:
  - 1,000 ft<sup>2</sup> or less collect 3 samples 1,001 to 5,000 ft<sup>2</sup> collect 5 samples
  - $5,001 \text{ ft}^2 \text{ or greater} \text{collect 7 samples}$
- 2) For Thermal System Insulation:

"In a randomly distributed manner" - collect 3 samples 6 linear feet of patching or less - collect 1 sample cementitious pipe fittings - "In a manner sufficient to determine"

3) For all Miscellaneous Material:

Collect samples "In a manner sufficient to determine whether material is ACM (asbestoscontaining material) or not ACM..."

The suspect ACMs were sampled using a knife, chisel, scraper, drill or other similar coring device suitable to the type of material sampled to cut through its entire thickness and to ensure that a cross-section of the material was obtained. The material was then placed in an appropriately labeled container that was sealed and submitted to SGS-Forensic Laboratories for analysis. A unique sample number (e.g. PJ75471-01A) was assigned to each sample.

Bulk samples will be retained by the laboratory for one month unless otherwise instructed. After this period, the samples will be disposed of appropriately.

#### **Bulk Sample Analysis**

A total of ten (10) bulk samples were collected from a total of five (5) suspect material. Bulk samples were analyzed by SGS-Forensic Laboratories (SGS) in Hayward, California. SGS is accredited by the California Department of Public Health (CDPH) Environmental Laboratory Accreditation Program (ELAP) and the National Institute of Science and Technology's (NIST) National Voluntary Laboratory Accreditation Program (NVLAP). SGS participates in the National Institute for Occupational Safety and Health (NIOSH) Proficiency Analytical Testing Program and has substantial experience in the analysis of asbestos.

All samples were analyzed using Polarized Light Microscopy with Dispersion Staining (PLM/DS) techniques in accordance with the methodology approved by the U.S. Environmental Protection Agency (EPA). The percentage of asbestos present in the samples was determined on the basis of a visual area estimation. The EPA defines asbestos-containing materials (ACM) as any material containing more than one percent (1%) asbestos as determined using the method specified in Appendix A, Subpart F, 40 CFR Part 763, Section 1, Polarized Light Microscopy (PLM). 40 CFR Part 763 identifies the lower limit of reliable quantification for asbestos using the PLM method as approximately one percent (1%) by volume. Regulations in California (CAL/OSHA Title 8 CCR 1529) define asbestos-containing construction materials (ACCM) as those materials having asbestos content of greater than one tenth of one percent (> 0.1%); therefore, for the purpose of this survey, any amount of asbestos detected will be considered positive. In addition to the percentages, the types of asbestos minerals are also reported. The PLM method is the standard method used to analyze asbestos bulk samples.

When "None Detected" (ND) appears in the laboratory results, it should be interpreted as meaning asbestos was not observed in the sample material.

### Lead Inspection

The client-defined lead inspection was conducted in accordance with the CDPH Lead-Related Construction Program and modeled upon the sampling protocol described in "Chapter 7: Lead Based Paint Inspection" of the HUD Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing (1997 Revision).

Cal/OSHA, in Title 8 California Code of Regulations (CCR) Section 1532.1, Lead in Construction Standard which implements California Labor Code 8716-6717, regulates all construction work where an employee may be occupationally exposed to lead. Paint or materials with any detectable level of lead is considered lead-containing by Cal/OSHA.

#### Bulk Sampling Methodology

During this inspection, FACS personnel collected one (1) bulk paint chip sample for laboratory confirmation of lead-content. The sample was scraped from the substrate it had been applied to using a knife or chisel to obtain sufficient material for analysis. The sample was given a unique marker number, identified on a chain-of-custody, packaged, and sent via FedEx to SGS in Hayward, California for analysis. SGS is accredited by the American Industrial Hygiene Association's Environmental Lead Laboratory Accreditation Program for the analysis of lead in bulk paint chips by flame atomic absorption.

### Regulations

### Background

Asbestos is the name of a class of magnesium-silicate minerals that occur in fibrous form. Minerals that are included in this group are chrysotile, crocidolite, amosite, anthophyllite asbestos, tremolite asbestos,

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and actinolite asbestos. Although the chrysotile minerals are the most common type of asbestos found in the construction industry, all types of asbestos are regulated in the same manner. Asbestos has been used in more than 3,000 different building materials. Asbestos was added to building materials to: increase fire-resistance, insulate against heat, cold and sound, resist corrosion, and increase tensile strength. Common building materials that may contain asbestos include but are not limited to the following: floor tile, resilient sheet flooring, ceiling tile, mastics, roofing materials, fireproofing, acoustical treatments, wallboard, pipe and boiler insulations. Adverse health effects have been associated with the inhalation of airborne asbestos. However, asbestos fibers that are tightly bound in the building material, may not represent an exposure hazard, unless disturbed in such a way that releases airborne fibers (i.e., cutting, drilling, sanding, and other abrasive methods).

### **Building Surveys**

The following is a summary of some current Federal and California State regulations which contain requirements related to the performance of building surveys for asbestos. These summaries are not intended to be all inclusive and do not contain every aspect of the regulations discussed.

### U.S. EPA National Emission Standard for Hazardous Air Pollutants (NESHAPs), 40 CFR Part 61

Under the NESHAPs regulation, no visible emissions are allowed during building demolition or renovation activities which involve regulated asbestos-containing materials. For this reason, all buildings must be surveyed for asbestos-containing materials prior to demolition or renovation. The EPA, CARB, and/or the local Air Quality Management District which implements EPA actions, must be notified prior to any building demolition even if no asbestos-containing materials are present.

Regulated asbestos-containing material (RACM) is defined as a) any friable material with an asbestos content of greater than one percent, or b) any non-friable material with asbestos content of greater than one percent that will, or could, become friable.

### Asbestos Hazard Emergency Response Act (AHERA), 40 CFR Part 763, Subpart E

AHERA requires performance of asbestos surveys and the development of Asbestos Management Plans for all primary and secondary schools in the United States. Although this regulation applies to primary and secondary schools only, the procedures mandated under AHERA are considered the industry standard and are applied to all surveys performed by FACS unless otherwise specified by the building owner.

### **Worker Protection**

### California Assembly Bill AB3713, Health and Safety Code Division 20, Chapter 10.4, Section 25915-25924

The state of California has enacted legislation that requires building owners, employers, lessees, etc. to notify tenants, employees and contractors of the presence of asbestos in both friable and non-friable forms. In addition, preventive maintenance activities must be developed and communicated to these parties. Notification is required 15 days after the identification of ACM in the building, and annually thereafter.

### Occupational Safety and Health Administration (OSHA) 29 CFR 1926.1101 and 8 CCR 1529

The Federal and State Occupational Safety and Health Administrations (OSHA) require employers to implement specific work practices which protect workers from airborne asbestos exposure.

Building materials which contain even low levels of asbestos (<1%) can potentially generate significant concentrations of airborne asbestos fibers when disturbed. Therefore, control measures should be instituted which adequately address worker health and safety during planned renovation or demolition activities involving these materials. Cal/OSHA defines asbestos-containing construction materials as those materials having greater than one tenth of one percent asbestos (>0.1%). As stated previously, there is currently no viable method to accurately quantify asbestos at this level.

### **Hazardous Waste**

Building materials reported to contain less than one percent (<1%) of asbestos are not considered hazardous by the U.S. EPA, and hence, may not require removal and disposal prior to demolition or renovation. Regulations may vary, however, between regional air quality management districts and/or other state agencies responsible for implementing EPA's rules. Therefore, local agencies should be contacted for specific ACM definitions and handling requirements. Cal/OSHA may also require special packaging and labeling on containers with asbestos-containing construction materials.

Composite sampling, which may potentially reduce the total asbestos content of the material, is only permitted when sampling joint compound, tape, and gypsum wallboard according to EPA's Asbestos NESHAP Clarification Regarding Analysis of Multi-Layered Systems (40 CFR Part 61 FRL-4821-7).

### Lead

### Cal/OSHA Lead (8 CCR 1532.1) & CDPH (Title 17)

If paints or coatings containing any detectable concentration of lead will be impacted, a project should be considered regulated by Cal/OSHA as lead-related construction (8 CCR 1532.1).

A contractor who has employees that may be occupationally exposed to lead during a project must perform an initial determination regarding worker exposures to lead, which may be based on personal air monitoring at the start of the project, prior employee monitoring from the past 12 months under workplace conditions closely resembling the current project, or objective data demonstrating that exposures will not exceed the Cal/OSHA action level (30 micrograms per cubic meter of air). It is the contractor's responsibility to conduct their initial determination and comply with any relevant Cal/OSHA requirements.

Workers disturbing existing paints or coatings during a project must have lead awareness or action level training depending on the initial exposure determination and lead-safe work practices must be used. Disturbance of lead-containing paints or coatings must be performed within a contained area to prevent the spread and build-up of lead dust in order to comply with CDPH requirements. HEPA vacuums, dustless tools or shrouds, and/or intact removal of components should be employed to minimize lead dust generation and properly cleanup work areas following disturbance to lead-containing materials during a project. Waste generated during disturbance to lead-containing materials must be profiled in a hazardous waste determination to ascertain proper disposal requirements.

If the initial determination or initial exposure monitoring shows that workers impacting lead can be expected to be or are shown to be exposed to lead above the Cal/OSHA permissible exposure level (50 micrograms per cubic meter of air) workers and supervisors must have the requisite training and CDPH lead worker or supervisor certification.

### Findings and Recommendations

Forensic Analytical Consulting Services, Inc. (FACS) was retained by California State University, Stanislaus to perform an asbestos and lead paint survey of the walk-in freezers of the cafeteria, located at One University Circle, Turlock, California.

### Asbestos

The following suspect materials were sampled and identified to **contain** asbestos by laboratory analysis during this survey:

- Drywall Orange Peel Texture 2% Chrysotile
- Freezer Sealant Grey 5% Chrysotile

The following suspect materials were sampled and identified to **not contain** asbestos by laboratory analysis during this survey:

- Epoxy Tan Speck w/ Concrete
- 2x4 FCP Smooth
- Freezer Gasket Grey

Please see Appendix A for a complete listing of materials sampled at the work areas and results from this survey. Any suspect materials not included must be assumed to be asbestos-containing materials until tested and proven not to contain asbestos.

Removal of more than 100 square feet of asbestos-containing materials must be completed by a contractor registered with DOSH as an asbestos abatement contractor. The contractor must also hold the C-22 asbestos abatement license from the CSLB to perform abatement of more than 100 square feet of asbestos-containing materials.

Workers abating asbestos-containing materials must have AHERA Worker training and one worker shall be trained to the AHERA Contractor-Supervisor level. Workers will need to use containment, work practices, and engineering controls as required by Cal/OSHA for the various classes of work that may be required to be performed. The contractor performing abatement must also file a "report of use" temporary worksite notification to the local Cal/OSHA office at least 24 hours prior to mobilizing to the site.

The US EPA NESHAP regulation requires the abatement of asbestos-containing materials that are friable or likely to become friable by forces impacting them as part of any renovation activities. If more than 160 square feet of RACM will be generated by the project, a 10-working day notification must be filed with the San Joaquin Valley Air Pollution Control District prior to work commencing onsite. Those materials that are friable, or non-friable materials made friable during removal, would need to be disposed of as hazardous (regulated) asbestos-containing material. Non-friable materials that are not made friable may be disposed of as non-hazardous asbestos-containing waste material at a landfill that will accept the waste.

See the Regulations section above for additional information regarding asbestos compliance.

### Lead

The following paints/coatings did not contain detectable concentrations of lead above the laboratory's reporting limit:

• White Paint on Drywall Wall

FACS recommends that the results of this report be incorporated into any renovation plans provided for this project for informational purposes.

### Limitations

This investigation is limited to the conditions and practices observed, and information made available to FACS. The methods, conclusions and recommendations provided are based on FACS' judgment, expertise, and the standard of practice for professional service. They are subject to the limitations and variability inherent in the methodology employed. As with all environmental investigations, this investigation is limited to the defined scope and does not purport to set forth all hazards, nor indicate that other hazards do not exist.

Please do not hesitate to contact our office at (209) 551-2000 with any questions or concerns. Thank you for the opportunity to assist California State University, Stanislaus with promoting worker safety and a healthy environment.

Respectfully, FORENSIC ANALYTICAL

Trevor Leitz Environmental Health Specialist, Modesto Cal/OSHA CSST #19-6682 CDPH LRC-00003432

Reviewed by: FORENSIC ANALYTICAL

Chris Chipponeri Local Director, Central Valley Offices Cal/OSHA CAC #10-4633 CDPH LRC-00000782

### **Appendix A**

### Asbestos Survey Summary, Sample Chain-of-Custody and Laboratory Results Report

	Asbestos Survey Summary (Lab Report #B345279) CSUS – Cafeteria – Walk-In Freezer Replacement Survey Date: March 14, 2023									
Sample Number	Material Description	Location(s) of Material	Material Number	Asbestos Content (%)	Asbestos NESHAP Category	Approximate Quantity (ft <sup>2</sup> )				
01A-01C	Drywall – Orange Peel Texture	Kitchen Kitchen Storage	01	Layer: White Drywall: ND Layer: Off-White Skimcoat/Joint Compound: 2% Chrysotile Layer: Paint: ND	RACM	1,000 ft <sup>2</sup>				
02A-02B	Epoxy – Tan Specks	Freezer 8A-8C	02	Layer: Tan Cementitious Material: ND Layer: Grey Cementitious Material: ND	NA	NA				
03A-03B	Freezer Sealant – Grey	Freezer 8B & 8C	03	Layer: Grey Putty: 5% Chrysotile	Category II Non-Friable	10 LF				
04A-04B	2x4 FCP – Smooth	Kitchen	04	Layer: White Drywall: ND Layer: Paint: ND	NA	NA				
05A	Freezer Gasket	Freezer 8A	05	Layer: Grey Non-Fibrous Material: ND	NA	NA				

ND = None Detect for Asbestos

Client Name & Address	in onica	Client N				202 J. 7 4		
FACS Modesto		Client No.: MOD08	PO / Job#:	PJ75471		Date	<sup>e:</sup> 3/14/2	3
207 McHenry Avenue		Turn Around Time: Same Day / 1Day / 2Day / 3Day / 4Day / 5De						
Modesto, CA 95354			C PCM:	NIOSH 740		DSH 7400	B 🗖 F	Rotometer
			R PLM: 2	Standard / [	Deint Cour	t 400 - 10	00 / 🗖 🤇	CARB 435
Contact: Trevor Leitz	Pho	<sup>ne:</sup> (209) 551-2000	TEM Air:	AHERA /	Vamate2		OSH 7402	
E-mail: tleitz@forensica	analytical.com	n	TEM Wat	er: 🗖 Potabl : 🗖 D5755 (r	e / 🗖 Non- nicrovac) / 🖥	Jalitative / Potable / 1 D6480 (v	Chatfi Weight vipe)	eld %
Site Name: CSUS - Cafeteria Walk-In Freezers			I IAQ Partie	IAQ Particle Identification     Imited Particle ID (Wildfire)     Special Project				
Site Location: One Unive	ersity Circle,	Turlock, CA	🗖 Metals Ar	alysis Matr	ix:	Me	ethod:	Jeec
Comments:				And	ytes:	D Silica	in Air 🗖 🕅	w/Gravimetry
SI- ID	Date /				FOR AIR SA	MPLES ON	NLY	Sample
Sample ID	Time	Sample Location /	Description	Туре	Time	Avg	Total	Area /
PJ75471 - 01A	3/14/23	Drywall - Orangepeel w/ TJ Kitchen - NE Corner		A	Un/Off	LPM	lime	
PJ75471 - 01B	3/14/23	Drywall - Orangepeel w/ TJ Kitchen Storage - NW Corne	r	A P		-		
PJ75471 - 01C	3/14/23	Drywall - Orangepeel w/ TJ Kitchen Storage - NW Corne	r	A P		-		
PJ75471 - 02A	3/14/23	Epoxy - Tan Speck w/ Concr 8B Freezer - SW Corner	ete	A		-		
PJ75471 - 02B	3/14/23	Epoxy - Tan Speck w/ Concr 8C Freezer - SW Corner	ete	A P		-		
PJ75471 - 03A	3/14/23	Freezer Sealant - Grey 8B Freezer - East Side		A P		-		
PJ75471 - 03B	3/14/23	Freezer Sealant - Grey 8C Freezer - East Side		A		-		
PJ75471 - 04A	3/14/23	2x4 FCP - Smooth Kitchen - East Side				-		
PJ75471 - 04B	3/14/23	2x4 FCP - Smooth Kitchen - East Side		A		-		
PJ75471 - 05A	3/14/23	Freezer Gasket - Grey 8A Freezer - East Side		A				
Sampled By: T. Leitz   T.Fai	son Date/Time:	3/14/23 Shipped Via:	Fed Ex DUPS	US Ma	il 🗖 Courie	er <b>T</b> Droj	p Off 🗖 (	Dther:
Relinquished By: Date / Time: 3/14/23	1	Relinquished By: Date / Time:		1	Relinquished Date / Time:	Ву:		
Received By:	10 39	73 Received By:		F	Received By:			
Date / Time: MAR 1 7 Condition Acceptable? DYe	2023 1/30	Date / Time: Condition Acceptable?	TIYes TIN		Date / Time: Condition Acc	ceptable?	T Yes	

San Francisco Office: 3777 Depot Road, Suite 409, Hayward, CA 94545-2761 • Phone: 510/887-8828 • 800/827-3274 Los Angeles Office: 20535 South Belshaw Ave., Carson, CA 90746 • Phone: 310/763-2374 • 888/813-9417 Las Vegas Office: 6765 S. Eastern Avenue, Suite 3, Las Vegas, NV 89119 • Phone: 702/784-0040 Chicago Office: 3020 Woodcreek Drive, Suite C, Downers Grove, IL 60515 • Phone: 341/465-2464



# Bulk Asbestos Analysis (EPA Method 40CFR, Part 763, Appendix E to Subpart E and EPA 600/R-93-116, Visual Area Estimation) NVLAP Lab Code: 101459-0

FACS - Modesto Tyler Faison 21228 Cabot Blvd. Hayward, CA 94545				Client ID: Report Numbe Date Received Date Analyzed Date Printed: First Reported	MOD08 r: B34527 : 03/17/2 : 03/22/2 : 03/23/2 : 03/23/2	3 9 3 3 3 3
Job ID/Site: PJ75471; California State University Circle Turlock CA 953	sity, Stanislaus Cafeteria 82	a Builiding One		SGSFL Job ID Total Samples	: MOD08 Submitted:	3
Date(s) Collected:	-			Total Samples	Analyzed:	10
Sample ID Lab	Asbestos Number Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
PJ75471-01A1264Layer: White DrywallLayer: White PlasterLayer: Paint	9505	ND ND ND				
Total Composite Values of Fibrous ComponenCellulose (20 %)Fibrous Glass (10 %)	ts: Asbestos (ND)					
PJ75471-01B 1264 Layer: White Drywall Layer: Off-White Skimcoat/Joint Compound Layer: Paint	9506 Chrysotile	ND 2 % ND				
Total Composite Values of Fibrous ComponenCellulose (20 %)Fibrous Glass (10 %)	ts: Asbestos (Trace	2)				
PJ75471-01C 1264 Layer: White Drywall Layer: Off-White Skimcoat/Joint Compound Layer: Paint	9507 Chrysotile	ND 2 % ND				
Total Composite Values of Fibrous ComponenCellulose (20 %)Fibrous Glass (10 %)	ts: Asbestos (Trace	e)				
PJ75471-02A1264Layer: Tan Cementitious MaterialLayer: Grey Cementitious Material	9508	ND ND				
Total Composite Values of Fibrous Componen Cellulose (Trace)	ts: Asbestos (ND)					
PJ75471-02B1264Layer: Tan Cementitious MaterialLayer: Grey Cementitious Material	9509	ND ND				
Total Composite Values of Fibrous Componen Cellulose (Trace)	ts: Asbestos (ND)					
PJ75471-03A         1264           Layer: Grey Putty         1264	9510 Chrysotile	5 %				
Total Composite Values of Fibrous Componen Cellulose (Trace)	ts: Asbestos (5%)					

					Report Numb	er: B34527	79
Client Name: FACS - Modesto					Date Printed:	03/23/2	23
Sample ID	Lab Number	Asbestos r Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
PJ75471-03B Layer: Grey Putty	12649511	Chrysotile	5 %				
Total Composite Values of Fibrous Com Cellulose (Trace)	ponents:	Asbestos (5%)					
<b>PJ75471-04A</b> Layer: White Drywall Layer: Paint	12649512		ND ND				
Total Composite Values of Fibrous Com Cellulose (20 %)	ponents:	Asbestos (ND)					
<b>PJ75471-04B</b> Layer: White Drywall Layer: Paint	12649513		ND ND				
Total Composite Values of Fibrous Com Cellulose (20 %)	ponents:	Asbestos (ND)					
PJ75471-05A Layer: Grey Non-Fibrous Material	12649514		ND				
Total Composite Values of Fibrous Com Cellulose (Trace)	ponents:	Asbestos (ND)					

Lad Shower

Tad Thrower, Laboratory Supervisor, Hayward Laboratory

Note: Limit of Quantification ('LOQ') = 1%. 'Trace' denotes the presence of asbestos below the LOQ. 'ND' = 'None Detected'.

Analytical results and reports are generated by SGS Forensic Laboratories (SGSFL) at the request of and for the exclusive use of the person or entity (client) named on such report. Results, reports or copies of same will not be released by SGSFL to any third party without prior written request from client. This report applies only to the sample(s) tested. Supporting laboratory documentation is available upon request. This report must not be reproduced except in full, unless approved by SGSFL. The client is solely responsible for the use and interpretation of test results and reports requested from SGSFL. SGSFL is not able to assess the degree of hazard resulting from materials analyzed. SGS Forensic Laboratories 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. All samples were received in acceptable condition unless otherwise noted.

#### Appendix B

### **Appendix B**

Lead Paint Chip Summary, Sample Chain-of-Custody, Laboratory Results Report and CDPH 8552 Form

	Lead Paint Chip Summary (Lab Report #M249290) CSUS – Cafeteria – Walk-In Freezer Replacement Survey Date: March 14, 2023							
Sample Number	Component Location	Component	Color	Substrate	Analytical Results (weight percent of lead)			
01Pb	Kitchen – NE Corner	Wall	White	Drywall	< 0.006			

Client Name & Address:		Client No.: MOD08	PO / Job#: P	J75471		Date:	3/14/23	
FACS Modesto 207 McHenry Avenue Modesto, CA 95354			Turn Around T	ime: Same D	Day / 1Day	/ 2Day /	3Day / 4	Day / 5 Xy
207 McHenry Avenue Modesto, CA 95354			IOSH 7400/		SH 7400B	R	otometer	
Modesto, CA 95554				andard / 🗖	Point Count	400 - 100	00 / 🗖 C	ARB 435
Contact:	Phon	e:	TEM Air: AHERA / Yamate2 / NIOSH 7402 TEM Bulk: Quantitative / Qualitative / Chatfield TEM Bulk: Quantitative / Qualitative / Chatfield					
Trevor Leitz		(209) 551-2000						
<sup>E-mail:</sup> tleitz@forensicana	alytical.com		TEM Dust:	D5755 (m	icrovac) /	D6480 (w	vipe)	76
Site Name: CSUS - Cafeteria Walk-In Freezers			IAQ Particle Identification     Imited Particle ID (Wildfire)     Special Project     Athende ELAME AA					nar (Wildfire) ject
Site Location: One Univers	ity Circle, T	Turlock, CA	Metals And	alysis Matrix Analy	tes: Lead	Me	thod: FLAN	IE AA
Comments:		(				🗖 Silica	in Air 🗖 v tz Only	w/Gravimetry
Date /					FOR AIR SA	MPLES ON	NLY	Sample
Sample ID	Time	Sample Location ,	/ Description	Туре	Time On/Off	Avg	Total Time	Area / Air Volume
D 175474 DE04	2/11/22	White Paint on Dowall Wa	1	A	OnyOn		TIME	
PJ75471 - PD01	5/14/25	Kitchen - NE Corner		P				
				A		_		
				C			1	
				A		-		1,400
				C				
		-		A				200
				C	S			
				IA IP				
	_			IA I		-		-
				P				
				A				
				P		-		
				A			1	
				IP C				
				A				
				C				
				A				
				E		5.	011 5	
Sampled By: T. Leitz   T.Fai	son Date/Tim	e: 3/14/23 Shipped Via	: The Fed Ex DU	PS DUSM	ail 🗖 Cou	rier DD	rop Off	Other:
Relinquished By:	13	Relinquished By:			Relinquishe	d By:		
Date / Time: 3/14/23	$\bigcirc$	Date / Time:			Date / Tim	e:		
Received By:	Fx2-89	Received By:			Received B	y:		
Date / Time:	2023 13	Date / Time: Condition Acceptal	ble? 🛛 Yes 🗖	No	Date / Tim Condition	e: Acceptable	e? 🗖 Yes	D No
SGS F	orensic Labora	atories may subcontract clien	t samples to other S	GSFL locatio	ns to meet c	ient reque	sts.	74
San Francisco C	Office: 3777 D	epot Road, Suite 409, Hayw	vard, CA 94545-27	Phone: 310/	763-2374	888/813	-9417	-



## Metals Analysis of Paints (AIHA-LAP, LLC Accreditation, Lab ID #101762)

FACS - Modesto					<b>Client ID:</b>	MOD08
Tyler Faison					<b>Report Num</b>	ber: M249290
21228 Cabot Blvd.					Date Receive	ed: 03/17/23
					Date Analyz	ed: 03/22/23
Hayward, CA 94545					Date Printed	: 03/24/23
					First Report	ed: 03/24/23
Job ID / Site: PJ75471; C University (	alifornia State University, Sta Circle Turlock CA 95382	nislaus Cafeter	ia Builiding	One	SGSFL Job 1	ID: MOD08
Date(s) Collected: 3/14/23	3				Total Sample	es Submitted: 1
					Total Sample	es Analyzed: 1
Sample Number	Lab Number	Analyte	Result	Result Units	Reporting Limit*	Method Reference
PJ75471-PB01	30918525	Pb	< 0.006	wt%	0.006	EPA 3050B/7000B

\* The Reporting Limit represents the lowest amount of analyte that the laboratory can confidently detect in the sample, and is not a regulatory level. The Units for the Reporting Limit are the same as the Units for the Final Results.

Kevin Poon

Kevin Poon, Laboratory Supervisor, Hayward Laboratory

Analytical results and reports are generated by SGS Forensic Laboratories at the request of and for the exclusive use of the person or entity (client) named on such report. Results, reports or copies of same will not be released by SGS Forensic Laboratories to any third party without prior written request from client. This report applies only to the sample(s) tested. Supporting laboratory documentation is available upon request. This report must not be reproduced except in full, unless approved by SGS Forensic Laboratories. The client is solely responsible for the use and interpretation of test results and reports requested from SGS Forensic Laboratories. SGS Forensic Laboratories is not able to assess the degree of hazard resulting from materials analyzed. SGS Forensic Laboratories 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. Any modifications that have been made to referenced test methods are documented in SGS Forensic Laboratories' Standard Operating Procedures Manual. Sample results have not been blank corrected. Quality control and sample receipt condition were acceptable unless otherwise noted.

Note\* Sampling data used in this report was provided by the client as noted on the associated chain of custody form.

### LEAD HAZARD EVALUATION REPORT

ection 1 — Date of Lead Hazard Evalu	uation March 14, 2023					
ection 2 — Type of Lead Hazard Evalu	uation (Check one box only)					
Lead Inspection Risk assessm	ment Clearance Inspection	Other (specify)				
ection 3 — Structure Where Lead Haz Idress [number, street, apartment (if applicab	zard Evaluation Was Conducted ble)] City	County	Zip Code			
ne University Circle	Turlock	Stanislaus	95382			
f structure Type of structure Multi-u	Incture	Children living in structure	ucture? ] No			
ection 4 — Owner of Structure (if bus	iness/agency, list contact person	) Telephone number				
alifornia State University Stanis	laus / Kat Marian	209-667-3211				
ddress Inumber, street, apartment (if applicat	ble)] City	State	Zip Code			
Dne University Circle	Turlock	CA	95382			
ection 5 - Results of Lead Hazard Ev	valuation (check all that apply)					
No lead hazards detected Lead-	contaminated dust found Lead-	contaminated soil found	Other			
ame		Telephone number				
Chris Chipponeri		209-551-2000	209-551-2000			
ddress [number, street, apartment (if applical	able)] City	State	Zip Code			
207 McHenry Avenue	Modesto	CA	95354			
DPH certification number .RC-00000782	Signature		Date 03/31/23			
ame and CDPH certification number of any c	other individuals conducting sampling or	testing (if applicable)				
Tyler Faison LRC-0000245	54 / Trevor Leitz LRC-00	003432				
ection 7 – Attachments						
	CONTRACTOR OF A					
A foundation diagram or sketch of the lead-based paint; E Each testing method, device, and sam	structure indicating the specifc locat	ions of each lead I	hazard or			

C. All data collected, including quality control data, laboratory results, including laboratory name, address, and phone number.

First copy and attachments retained by inspector

Second copy and attachments retained by owner

Third copy only (no attachments) mailed or faxed to:

California Department of Public Health Childhood Lead Poisoning Prevention Branch Reports 850 Marina Bay Parkway, Building P, Third Floor Richmond, CA 94804-6403 Fax: (510) 620-5656

### Appendix C Sample Location Drawing



## Appendix D Certifications of Personnel and Laboratories

#### STATE OF CALIFORNIA

Gavin Newsom, Governor

DEPARTMENT OF INDUSTRIAL RELATIONS
Division of Occupational Safety and Health-Asbestos Certification
1750 Howe Avenue, Suite 460
Sacramento, CA 95825
(916) 574-2993 Office http://www.dir.ca.gov/dosh/asbestos.html actu@dir.ca.gov



008186824C

461 463

December 22, 2022

Tyler J Faison 3417 Switzer Avenue Modesto CA 95350

Dear Certified Asbestos Consultant or Technician:

Enclosed is your certification card. Your certification card number has changed to reflect the year you were first certified. If you have any questions regarding this matter please email our office and we will be happy to answer any questions. To maintain your certification, you must abide by the rules printed on the back of the certification card.

Your certification is valid for a period of one year. If you wish to renew your certification, you must apply for renewal at least 60 days <u>before</u> the expiration date shown on your card. [8 CCR 341.15(h)(1)].

Please hold and do not send copies of your required AHERA refresher renewal certificates to our office until you apply for renewal of your certification.

Certificates must be kept current if you are actively working as a CAC or CSST. The grace period is only for those who are not actively working as an asbestos consultant or site surveillance technician.

Please contact our office at the above address or email w any changes in your contact/mailing information within 15 days of the change.

Sincerely,

Jeff Ferrell Senior Safety Engineer

Attachment: Certification Card

cc: File

Renewal - Card Attached



## **Forensic Analytical Consulting Services, Inc.**

This is to confirm that

## **Tyler Faison**

Has attended the four-hour

## **AHERA Refresher Course for Asbestos Inspectors**

And has completed the requisite training for

asbestos accreditation under TSCA Title II

## September 6, 2022

Certificate Number: FACSBIR1347

Valid Until: September 6, 2023

Cal/OSHA Approval Number: CA-025-06



David B. ME Such

David B. McGrath, Corporate Training Director Forensic Analytical Consulting Services,Inc. 21228 Cabot Blvd, Hayward, CA 94545 (800) 677-1483



STATE OF CALIFORNIA DEPARTMENT OF PUBLIC HEALTH



## **LEAD-RELATED CONSTRUCTION CERTIFICATE**

INDIVIDUAL
------------

	-		4	3
1	6		1	
1	P	1	2	
		~		
1	à.		All	1.37

**Tyler Faison** 

CERTIFICATE TYPE:NUMBER:EXPIRATION DATE:Lead Project MonitorLRC-0000238312/26/2023Lead Inspector/AssessorLRC-000024548/13/2023

Disclaimer: This document alone should not be relied upon to confirm certification status. Compare the individual's photo and name to another valid form of government issued photo identification. Verify the individual's certification status by searching for Lead-Related Construction Professionals at <a href="http://www.cdph.ca.gov/programs/clppb">www.cdph.ca.gov/programs/clppb</a> or calling (800) 597-LEAD

#### STATE OF CALIFORNIA

Gavin Newsom, Governor

DEPARTMENT OF INDUSTRIAL RELATIONS **Division of Occupational Safety and Health-Asbestos Certification** 1750 Howe Avenue, Suite 460 Sacramento, CA 95825 (916) 574-2993 Office <u>http://www.dir.ca.gov/dosh/asbestos.html\_actu@dir.ca.gov</u>



910116682T

453

Forensic Analytical Consulting Services Trevor T Leitz 207 McHenry Avenue Modesto CA 95354 December 22, 2022

Dear Certified Asbestos Consultant or Technician:

Enclosed is your certification card. To maintain your certification, you must abide by the rules printed on the back of the certification card.

Your certification is valid for a period of one year. If you wish to renew your certification, you must apply for renewal at least 60 days <u>before</u> the expiration date shown on your card. [8 CCR 341.15(h)(1)].

Please hold and do not send copies of your required AHERA refresher renewal certificates to our office until you apply for renewal of your certification.

Certificates must be kept current if you are actively working as a CAC or CSST. The grace period is only for those who are not actively working as an asbestos consultant or site surveillance technician.

Please contact our office at the above address or email w any changes in your contact/mailing information within 15 days of the change.

Sincerely,

Eric Berg

Eric Berg Deputy Chief of Health

Attachment: Certification Card

cc: File

State of California Division of Occupational Safety and Health Certified Site Surveillance Technician

Trevor T Leitz

Certification No. 19-6682

Expires on \_12/18/23

This certification was issued by the Division of Occupational Safety and Health as authorized by Sections 7180 et seq. of the Business and Professions Code.

Renewal – Card Attached

## **Forensic Analytical Consulting Services, Inc.**

This is to confirm that

## **Trevor Leitz**

Has attended the four-hour

## **AHERA Refresher Course for Asbestos Inspectors**

And has completed the requisite training for

asbestos accreditation under TSCA Title II

### September 6, 2022

Certificate Number: FACSBIR1349

Valid Until: September 6, 2023

Cal/OSHA Approval Number: CA-025-06



David B. ME Such

David B. McGrath, Corporate Training Director Forensic Analytical Consulting Services,Inc. 21228 Cabot Blvd, Hayward, CA 94545 (800) 677-1483



STATE OF CALIFORNIA DEPARTMENT OF PUBLIC HEALTH



## LEAD-RELATED CONSTRUCTION CERTIFICATE

**INDIVIDUAL:** 

CERTIFICATE TYPE:

NUMBER:

**EXPIRATION DATE:** 



Lead Sampling Technician

LRC-00003432

10/4/2023

Trevor Leitz Disclaimer: This document alone should not be relied upon to confirm certification status. Compare the individual's photo and name to another valid form of government issued photo identification. Verify the individual's certification status by searching for Lead-Related Construction Professionals at www.cdph.ca.gov/programs/clppb or calling (800) 597-LEAD

#### STATE OF CALIFORNIA

Gavin Newsom, Governor

DEPARTMENT OF INDUSTRIAL RELATIONS **Division of Occupational Safety and Health-Asbestos Certification** 1750 Howe Avenue, Suite 460 Sacramento, CA 95825 (916) 574-2993 Office http://www.dir.ca.gov/dosh/asbestos.html actu@dir.ca.gov



005174633C

339

May 11, 2022

Christopher J Chipponeri 1401 Louise Avenue Modesto CA 95350

Dear Certified Asbestos Consultant or Technician:

Enclosed is your certification card. To maintain your certification, you must abide by the rules printed on the back of the certification card.

Your certification is valid for a period of one year. If you wish to renew your certification, you must apply for renewal at least 60 days before the expiration date shown on your card. [8 CCR 341.15(h)(1)].

Please hold and do not send copies of your required AHERA refresher renewal certificates to our office until you apply for renewal of your certification.

Certificates must be kept current if you are actively working as a CAC or CSST. The grace period is only for those who are not actively working as an asbestos consultant or site surveillance technician.

Please contact our office at the above address or email w any changes in your contact/mailing information within 15 days of the change.

Sincerely,

Jeff Ferrell Senior Safety Engineer

Attachment: Certification Card

cc: File

Renewal - Card Attached

State of California Division of Occupational Safety and Health **Certified Asbestos Consultant** 



Certification No. \_\_10-4633

Expires on\_ 06/16/23

This certification was issued by the Division of Occupational Safety and Health as authorized by Sections 7180 et seq. of the Business and Professions Code.

## **Forensic Analytical Consulting Services, Inc.**

This is to confirm that

## **Chris Chipponeri**

Has attended the four-hour

## **AHERA Refresher Course for Asbestos Inspectors**

And has completed the requisite training for

asbestos accreditation under TSCA Title II

### September 6, 2022

Certificate Number: FACSBIR1344

Valid Until: September 6, 2023

Cal/OSHA Approval Number: CA-025-06



David B. ME Sunt

David B. McGrath, Corporate Training Director Forensic Analytical Consulting Services,Inc. 21228 Cabot Blvd, Hayward, CA 94545 (800) 677-1483



### STATE OF CALIFORNIA DEPARTMENT OF PUBLIC HEALTH



## **LEAD-RELATED CONSTRUCTION CERTIFICATE**

INDIVIDUAL:	CERTIFICATE TYPE:	NUMBER:	EXPIRATION DATE:
	Lead Inspector/Assessor	LRC-00000782	6/20/2023

**Chris Chipponeri** 

Disclaimer: This document alone should not be relied upon to confirm certification status. Compare the individual's photo and name to another valid form of government issued photo identification. Verify the individual's certification status by searching for Lead-Related Construction Professionals at <a href="https://www.cdph.ca.gov/programs/clppb">www.cdph.ca.gov/programs/clppb</a> or calling (800) 597-LEAD





## Certificate of Accreditation to ISO/IEC 17025:2017

### NVLAP LAB CODE: 101459-0

### **SGS Forensic Laboratories**

Hayward, CA

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).

2022-07-01 through 2023-06-30

Effective Dates



For the National Voluntary Laboratory Accreditation Program



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

**SGS Forensic Laboratories** 

3777 Depot Road, Suite 409 Hayward, CA 94545-2761 Mr. Steven Takahashi Phone: 310-294-4365 Fax: 310-764-1136 Email: steven.takahashi@sgs.com http://www.falaboratories.com

### ASBESTOS FIBER ANALYSIS

### NVLAP LAB CODE 101459-0

### **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

### **Airborne Asbestos Analysis**

### Code

18/A02

<u>Description</u>

U.S. EPA's "Interim Transmission Electron Microscopy Analytical Methods-Mandatory and Nonmandatory-and Mandatory Section to Determine Completion of Response Actions" as found in 40 CFR, Part 763, Subpart E, Appendix A.

For the National Voluntary Laboratory Accreditation Program



### AlHA Laboratory Accreditation Programs, LLC acknowledges that SGS Forensic Laboratories 3777 Depot Rd, Suite 409, Hayward, CA 94545-2761 Laboratory ID: LAP-101762

along with all premises from which key activities are performed, as listed above, has fulfilled the requirements of the AIHA Laboratory Accreditation Programs (AIHA LAP), LLC accreditation to the ISO/IEC 17025:2017 international standard, General Requirements for the Competence of Testing and Calibration Laboratories in the following:

#### LABORATORY ACCREDITATION PROGRAMS

$\checkmark$	INDUSTRIAL HYGIENE	Accreditation Expires: May 01, 2023
$\checkmark$	ENVIRONMENTAL LEAD	Accreditation Expires: May 01, 2023
$\checkmark$	ENVIRONMENTAL MICROBIOLOGY	Accreditation Expires: May 01, 2023
	FOOD	Accreditation Expires:
	UNIQUE SCOPES	Accreditation Expires:

Specific Field(s) of Testing (FoT)/Method(s) within each Accreditation Program for which the above named laboratory maintains accreditation is outlined on the attached Scope of Accreditation. Continued accreditation is contingent upon successful on-going compliance with ISO/IEC 17025:2017 and AIHA LAP, LLC requirements. This certificate is not valid without the attached Scope of Accreditation. Please review the AIHA LAP, LLC website (www.aihaaccreditedlabs.org) for the most current Scope.

Cheryl J. Marton

Cheryl O Morton Managing Director, AIHA Laboratory Accreditation Programs, LLC

Date Issued: 01/27/2023

Revision20: 06/07/2022

## Right People Right Perspective Right Now

www.forensicanalytical.com

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