



Facilities Design
and Construction

ADDENDUM No. 1
TO THE
CONTRACT DOCUMENTS
FEBRUARY 27, 2024

PROJECT NO. 9557760
MAIN HOSP IT HUGS UPGRADE

GENERAL

This addendum forms a part of the Contract Documents and modifies the original Bidding Documents dated January 2024, and consists of page AD1-1. The following changes, additions and/or deletions shall be made to the following documents; all other conditions shall remain the same.

ITEM NO. I – CONTRACT DOCUMENTS
INFORMATION AVAILABLE TO BIDDERS

1. ADD Hazmat Reports (Bulk Sample Report, Final Report and Interim Asbestos Inspection Report), see attached.

ITEM NO. II – SPECIFICATIONS

2. ADD TI&O, see attached.

DocuSigned by:
Ken Pickett
2A42EB05C4B6478...

Ken Pickett – Project Manager
Facilities Design & Construction
UC Davis Health



ENTEK CONSULTING GROUP, INC.

4200 Rocklin Road, Suite 7, Rocklin, CA 95677 Telephone (916) 632-6800 Fax (916) 632-6812 www.entekgroup.com

August 1, 2018

Mr. Ken Pickett
Project Manager
UCDMC Facilities Design & Construction
4800 2nd Avenue, Suite 3010
Sacramento, CA 95817

Re: Asbestos Bulk Sample Results: UCDMC University Tower VOIP Cabling Project—Floors
1, 3, 4, 7, & 8

Dear Mr. Pickett,

This report provides results of sampling conducted by Entek Consulting Group, Inc. (Entek) on July 19 and 30, 2018 of the gray fireproofing, drop-in ceiling tiles, and white drywall/joint compound wall systems in the 1st, 3rd, 4th, 7th, and 8th floors in the University Tower at UC Davis Medical Center (UCDMC) located at 2315 Stockton Boulevard in Sacramento, California. The purpose of this survey was to determine if asbestos containing materials are present which may be impacted during the placement of cables in select areas of the 1st, 3rd, 4th, 7th, and 8th floors as identified on the drawings provided to Entek.

Asbestos Bulk Sampling and Results

A total of 12 bulk samples were collected as part of this investigation to determine if asbestos is present in the gray fireproofing, 2' x 2' drop-in ceiling tiles, or white drywall/joint compound wall systems that may be impacted by the VOIP Cabling project. The samples were submitted to Asbestech Laboratory located in Carmichael, California, and analyzed by Polarized Light Microscopy (PLM) with dispersion staining. Asbestech is accredited by the National Voluntary Accreditation Program (NVLAP) for this analysis.

None of the materials sampled were found to contain asbestos by laboratory analysis. Please refer to the attached laboratory analysis report for more detailed information. Copies of Asbestech's laboratory report and accreditations are also attached.

Historical asbestos and bulk sampling of other areas of the University Tower has been performed by Entek and other investigators for various projects. Several of these reports are included for you as references. Historical asbestos sampling reports in the University Tower, which was constructed in the early 1980's, has only identified black mastic associated with various flooring systems to be the only asbestos containing material known to be present in this tower. Currently, the disturbance of flooring systems is not anticipated for this project. If, during the course of the project the disturbance of flooring systems is necessary, these materials should be evaluated to determine asbestos content.

Discussion of Asbestos Results and Recommendations

US EPA

The property included in this survey report is located in Sacramento County. Sacramento Metropolitan Air Quality Management District (SMAQMD) has been given authority for enforcement of the NESHAP regulations in Sacramento County through the use of their own rules (Rule 902).

Ten day advance written notification to the SMAQMD is required prior to the performance of any demolition project regardless of asbestos being present or not. A demolition is the wrecking, taking out, or burning of any load supporting structural member. A renovation is everything else.

The asbestos containing flooring materials are not anticipated to be impacted by this project, therefore a 10 day advance notification to the SMAQMD will not be required for asbestos purposes.



Mr. Ken Pickett
UCDMC Facilities Design & Construction
August 1, 2018
Page Two

Cal/OSHA

Disturbance of any ACM or ACCM could generate airborne asbestos fibers and would be regulated by Cal/OSHA. Cal/OSHA worker health and safety regulations apply during any disturbance of ACM or ACCM by a person while in the employ of another. This is true regardless of friability or quantity disturbed.

Since the flooring materials will not be impacted on this project, a licensed asbestos contractor, certified by the State of California, and registered with Cal/OSHA will not be required for this project.

Limitations

Entek limited this inspection to the corridors on the 1st, 3rd, 4th, 7th, and 8th floors designated on the attached drawings as part of the VOIP project in the University Tower at UCDMC located at 2315 Stockton Boulevard in Sacramento, California.

If any other suspect material not listed as having been sampled is discovered, which will be impacted during the project, those materials must be assumed to contain asbestos until properly inspected and tested for asbestos content.

Entek's policy is to retain a full copy of these written documents for three (3) years once the file is closed. At the end of the 3 year period the written files will be destroyed without further notice. It is suggested copies of the file(s) are maintained as per UCDMC's policy.

Entek will be providing only this electronic copy of the report and its attachments for your use. However, if you would like a hard copy of this report a copy will be mailed upon request.

Thank you for choosing Entek for your hazardous materials needs. If you have any questions regarding this report please call me at (916) 632-6800.

Sincerely,

A handwritten signature in black ink, appearing to read "Matt Reilly".

Matt Reilly
Project Manager
DOSH CAC # 18-6208

Enclosures



APPENDIX A

ASBESTOS RELATED DOCUMENTS

- Bulk Asbestos Material Analysis Report Form for Entek
- Bulk Asbestos Analysis Report From Asbestech
- Bulk Asbestos Material Analysis Request Form for Entek
- Asbestos Bulk Sample Location Drawing
- Asbestos Survey Form
- Asbestos Renovation/Demolition Notification Form



BULK ASBESTOS MATERIAL *Analysis Report*

ENTEK CONSULTING GROUP, INC.

4200 ROCKLIN ROAD, SUITE 7
 ROCKLIN, CA 95677
 (916) 632-6800 PHONE
 (916) 632-6812 FAX
mainoffice@entekgroup.com

Date of Sampling: 7-19-18

Lab: Asbestech

Job Number: 18-4867

Collected by: Matt Relly

Client Name: UCDCM

Site Address: 2315 Stockton Blvd
 Sacramento, CA 95817

SAMPLE #	RESULTS	MATERIAL DESCRIPTION/LOCATION
ECG-18-4867-01A	NONE DETECTED	Gray Fireproofing, 3 rd Floor Mechanical Room Ceiling
ECG-18-4867-02A	NONE DETECTED	White Drywall and Joint Compound, 3 rd Floor Mechanical Room Wall
ECG-18-4867-03A	NONE DETECTED	Gray Fireproofing, 4 th Floor Mechanical Room Ceiling
ECG-18-4867-04A	NONE DETECTED	White Drywall and Joint Compound, 4 th Floor Mechanical Room Wall
ECG-18-4867-05A	NONE DETECTED	Gray Fireproofing, 7 th Floor Mechanical Room Ceiling
ECG-18-4867-06A	NONE DETECTED	White Drywall and Joint Compound, 7 th Floor Mechanical Room Wall
ECG-18-4867-07A	NONE DETECTED	Gray Fireproofing, 8 th Floor Mechanical Room Ceiling
ECG-18-4867-08A	NONE DETECTED	White Drywall and Joint Compound, 8 th Floor Mechanical Room Wall
ECG-18-4867-09A	NONE DETECTED	Gray Fireproofing, 1 st Floor Mechanical Room Ceiling
ECG-18-4867-10A	NONE DETECTED	White Drywall and Joint Compound, 1 st Floor Mechanical Room Wall

Z:\Clients\UCDCM\18-4867 University Tower VOIP Cabling Project - Limited Asb #M031308\Bulk Sample Asb\Bulk Report 00-00-00.wpd

ASBESTECH
 6825 Fair Oaks Blvd., Suite 103
 Carmichael, California 95608
 Tel.(916) 481-8902 Fax (916) 481-3975

Client:
 Entek Consulting Group, Inc.
 4200 Rocklin Rd., Suite 7
 Rocklin, CA 95677

Job:
 18-4867 UCDCMC
 UCDCMC University Tower
 2315 Stockton Blvd., Sacramento, Ca

BULK ASBESTOS ANALYSIS REPORT

LAB JOB # 65699-1
 Date/Time Collected: 7/19/18
 Date Received: 7/20/18

NVLAP Lab Code 101442-0
 CDPH # 1153
 Date Analyzed: 7/23/18

<i>Sample No.</i>	<i>Color/Description</i>	<i>% Type Asbestos</i>	<i>Other Materials</i>
ECG-18-4867-01A	Gray fireproofing, 3 rd floor mechanical room ceiling	NONE DETECTED	Gypsum Cellulose
02A	White drywall, 3 rd floor mechanical room wall	NONE DETECTED	Gypsum Fibrous Glass
	White joint compound	NONE DETECTED	Granular Mins.
03A	Gray fireproofing, 4th floor mechanical room ceiling	NONE DETECTED	Gypsum Cellulose
04A	White drywall, 4th floor mechanical room wall	NONE DETECTED	Gypsum Fibrous Glass
	White joint compound	NONE DETECTED	Granular Mins.
05A	Gray fireproofing, 7th floor mechanical room ceiling	NONE DETECTED	Gypsum Cellulose
06A	White drywall, 7th floor mechanical room wall	NONE DETECTED	Gypsum Fibrous Glass
	White joint compound 1	NONE DETECTED	Calcite
	White joint compound 2	NONE DETECTED	Granular Mins.

THE ANALYSIS USES POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING FOLLOWING E.P.A. METHOD 600/R-93/116. NON-FRIABLE MATERIALS WERE ANALYZED APPLYING THE SAME METHOD. THE LOWER DETECTION LIMIT IS <1 % WITH THE PROVISIO THAT PLM MAY NOT DETECT FIBERS <0.25 MICRONS IN DIAMETER THAT MAY BE PRESENT IN SAMPLES SUCH AS FLOOR TILES. IN ACCORDANCE WITH TITLE 22, CCR, SECTION 66261.24(a)(2)(A), THE MCL IS 1%. SAMPLES WERE NOT COLLECTED BY ASBESTECH. THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL WITHOUT THE APPROVAL OF ASBESTECH. THIS REPORT RELATES ONLY TO THE ITEMS TESTED. THIS REPORT MUST NOT BE USED TO CLAIM PRODUCT ENDORSEMENT BY N.V.L.A.P. OR ANY AGENCY OF THE U.S. GOVERNMENT. ASBESTECH ACCEPTS TECHNICAL RESPONSIBILITY FOR THIS REPORT AND DATE OF ISSUE.

ASBESTECH
 6825 Fair Oaks Blvd., Suite 103
 Carmichael, California 95608
 Tel.(916) 481-8902 Fax (916) 481-3975

Client:

Entek Consulting Group, Inc.
 4200 Rocklin Rd., Suite 7
 Rocklin, CA 95677

Job:

18-4867 UCDCMC
 UCDCMC University Tower
 2315 Stockton Blvd., Sacramento, Ca

BULK ASBESTOS ANALYSIS REPORT

LAB JOB # 65699-2

Date/Time Collected: 7/19/18

Date Received: 7/20/18

NVLAP Lab Code 101442-0

CDPH # 1153

Date Analyzed: 7/23/18

<i>Sample No.</i>	<i>Color/Description</i>	<i>% Type Asbestos</i>	<i>Other Materials</i>
ECG-18-4867-07A	Gray fireproofing, 8th floor mechanical room ceiling	NONE DETECTED	Gypsum Cellulose
08A	White drywall, 8th floor mechanical room wall	NONE DETECTED	Gypsum Fibrous Glass
	White joint compound	NONE DETECTED	Calcite
09A	Gray fireproofing, 1st floor mechanical room ceiling	NONE DETECTED	Gypsum Cellulose
10A	White drywall, 1st floor mechanical room wall	NONE DETECTED	Gypsum Fibrous Glass
	White joint compound 1	NONE DETECTED	Granular Mins.
	White joint compound 2	NONE DETECTED	Granular Mins.

THE ANALYSIS USES POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING FOLLOWING E.P.A. METHOD 600/R-93/116. NON-FRIABLE MATERIALS WERE ANALYZED APPLYING THE SAME METHOD. THE LOWER DETECTION LIMIT IS <1 % WITH THE PROVISIO THAT PLM MAY NOT DETECT FIBERS <0.25 MICRONS IN DIAMETER THAT MAY BE PRESENT IN SAMPLES SUCH AS FLOOR TILES. IN ACCORDANCE WITH TITLE 22, CCR, SECTION 66261.24(a)(2)(A), THE MCL IS 1%. SAMPLES WERE NOT COLLECTED BY ASBESTECH. THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL WITHOUT THE APPROVAL OF ASBESTECH. THIS REPORT RELATES ONLY TO THE ITEMS TESTED. THIS REPORT MUST NOT BE USED TO CLAIM PRODUCT ENDORSEMENT BY N.V.L.A.P. OR ANY AGENCY OF THE U.S. GOVERNMENT. ASBESTECH ACCEPTS TECHNICAL RESPONSIBILITY FOR THIS REPORT AND DATE OF ISSUE.



65699

BULK ASBESTOS MATERIAL *Analysis Request*

ENTEK CONSULTING GROUP, INC.

4200 ROCKLIN ROAD, SUITE 7
 ROCKLIN, CA 95677
 (916) 632-6800 PHONE
 (916) 632-6812 FAX
mainoffice@entekgroup.com

Date of Sampling: 7/19/18

Lab: Asbestech

Job Number: 18-4867

Collected by: Matt Reilly

Client Name: UCDCM

Turnaround Time: Day: Monday 7/23/18

Site Address: UCDCM- University Tower
 2315 Stockton Blvd.
 Sacramento, CA 95811

ANALYSIS REQUESTED: Asbestos by PLM
 with Dispersion Staining

Special Instruction: Stop Analysis upon first positive result (>1%) for sample in a series. Also stop analysis upon first positive result (>1%) in the joint compound for sample series.

Please e-mail results as soon as available to mreilly@entekgroup.com

SAMPLE #	MATERIAL DESCRIPTION/LOCATION
ECG-18-4867-01A	Gray Fireproofing/ 3 rd Floor Mechanical Room Ceiling
ECG-18-4867-02A	White Drywall and Joint Compound/ 3 rd Floor Mechanical Room Wall
ECG-18-4867-03A	Gray Fireproofing/ 4 th Floor Mechanical Room Ceiling
ECG-18-4867-04A	White Drywall and Joint Compound/ 4 th Floor Mechanical Room Wall
ECG-18-4867-05A	Gray Fireproofing/ 7 th Floor Mechanical Room Ceiling
ECG-18-4867-06A	White Drywall and Joint Compound/ 7 th Floor Mechanical Room Wall
ECG-18-4867-07A	Gray Fireproofing/ 8 th Floor Mechanical Room Ceiling
ECG-18-4867-08A	White Drywall and Joint Compound/ 8 th Floor Mechanical Room Wall
ECG-18-4867-09A	Gray Fireproofing/ 1 st Floor Mechanical Room Ceiling
ECG-18-4867-10A	White Drywall and Joint Compound/ 1 st Floor Mechanical Room Wall

Delivered by: 

Date: 7/19/18 Time: 545 AM/PM

Received by: 

Date: 7/20/18 Time: 830 AM/PM



BULK ASBESTOS MATERIAL *Analysis Report*

ENTEK CONSULTING GROUP, INC.

4200 ROCKLIN ROAD, SUITE 7
ROCKLIN, CA 95677
(916) 632-6800 PHONE
(916) 632-6812 FAX
mainoffice@entekgroup.com

Date of Sampling: 7-30-18

Lab: Asbestech

Job Number: 18-4867

Collected by: Andy Roed

Client Name: UCDCM

Site Address: 2315 Stockton Blvd
Sacramento, CA 95817

SAMPLE #	RESULTS	MATERIAL DESCRIPTION/LOCATION
ECG-18-4867-11A	NONE DETECTED	White 2'x2' Drop-In Ceiling Tile; University Tower, 4 th Floor Corridor near 4671
ECG-18-4867-11B	NONE DETECTED	White 2'x2' Drop-In Ceiling Tile; University Tower, 8 th Floor Corridor near 8604

Z:\Clients\UCDCM\18-4867 University Tower VOIP Cabling Project - Limited Asb #M031308\Bulk Sample Asb\Bulk Report 07-30-18.wpd

ASBESTECH
 6825 Fair Oaks Blvd., Suite 103
 Carmichael, California 95608
 Tel.(916) 481-8902 Fax (916) 481-3975

Client:

Entek Consulting Group, Inc.
 4200 Rocklin Rd., Suite 7
 Rocklin, CA 95677

Job:

18-4867 UCDCMC
 4800 2nd Ave. Suite 3010
 Sacramento , Ca

BULK ASBESTOS ANALYSIS REPORT

LAB JOB # 65727
 Date/Time Collected: 7/30/18
 Date Received: 7/31/18

NVLAP Lab Code 101442-0
 CDPH # 1153
 Date Analyzed: 7/31/18

<i>Sample No.</i>	<i>Color/Description</i>	<i>% Type Asbestos</i>	<i>Other Materials</i>
ECCG-18-4867-11A	White 2'x2' drop-in ceiling tile, University Tower 3 rd floor corridor near room 4671	NONE DETECTED	Cellulose Fibrous Glass
11B	White 2'x2' drop-in ceiling tile, University Tower 8th floor corridor near restroom 8604	NONE DETECTED	Cellulose Fibrous Glass

THE ANALYSIS USES POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING FOLLOWING E.P.A. METHOD 600/R-93/116. NON-FRIABLE MATERIALS WERE ANALYZED APPLYING THE SAME METHOD. THE LOWER DETECTION LIMIT IS <1 % WITH THE PROVISIO THAT PLM MAY NOT DETECT FIBERS <0.25 MICRONS IN DIAMETER THAT MAY BE PRESENT IN SAMPLES SUCH AS FLOOR TILES. IN ACCORDANCE WITH TITLE 22, CCR, SECTION 66261.24(a)(2)(A), THE MCL IS 1%. SAMPLES WERE NOT COLLECTED BY ASBESTECH. THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL WITHOUT THE APPROVAL OF ASBESTECH. THIS REPORT RELATES ONLY TO THE ITEMS TESTED. THIS REPORT MUST NOT BE USED TO CLAIM PRODUCT ENDORSEMENT BY N.V.L.A.P. OR ANY AGENCY OF THE U.S. GOVERNMENT. ASBESTECH ACCEPTS TECHNICAL RESPONSIBILITY FOR THIS REPORT AND DATE OF ISSUE.



65727

BULK ASBESTOS MATERIAL *Analysis Request*

ENTEK CONSULTING GROUP, INC.

4200 ROCKLIN ROAD, SUITE 7
ROCKLIN, CA 95677
(916) 632-6800 PHONE
(916) 632-6812 FAX
mainoffice@entekgroup.com

Date of Sampling: 7-30-2018

Job Number: 18-4867

Client Name:UCDMC

Site Address: 4800 2nd Avenue, Suite 3010
Sacramento, CA 95817

Lab: Asbestech

Collected by: Andy Roed

Turnaround Time: Day: Wed
Date: 8 / 1 / 18 Time: 3 PM

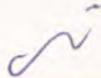
ANALYSIS REQUESTED: Asbestos by PLM with Dispersion Staining

Special Instruction: *Stop Analysis upon first positive result (>1%) for sample in a series. Also stop analysis upon first positive result (>1%) in the joint compound for sample series.*

Please e-mail results as soon as available and include copy of submittal with those results.

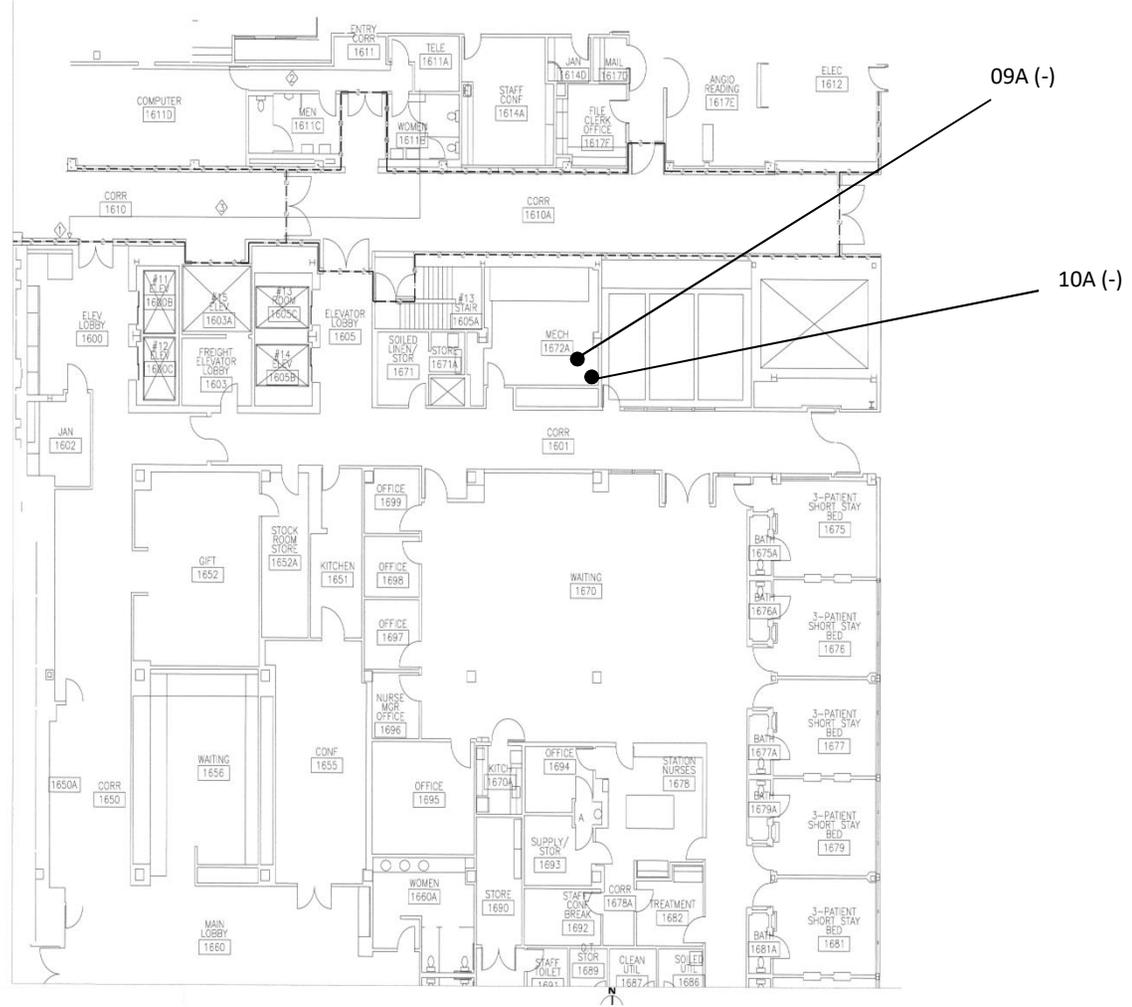
SAMPLE #	MATERIAL DESCRIPTION/LOCATION
ECG-18-4867-11A	2'x2' White Drop in Ceiling Tile / University Tower, 3 rd Floor, Corridor, Near Room 4671
ECG-18-4867-11B	2'x2' White Drop in Ceiling Tile / University Tower, 8 th Floor, Corridor, Near Restroom 8604

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Delivered by:  **Date:** 7 13 18 **Time:** 12:05 AM/PM

Received by:  **Date:** 7 13 18 **Time:** 12:05 AM/PM

First Floor



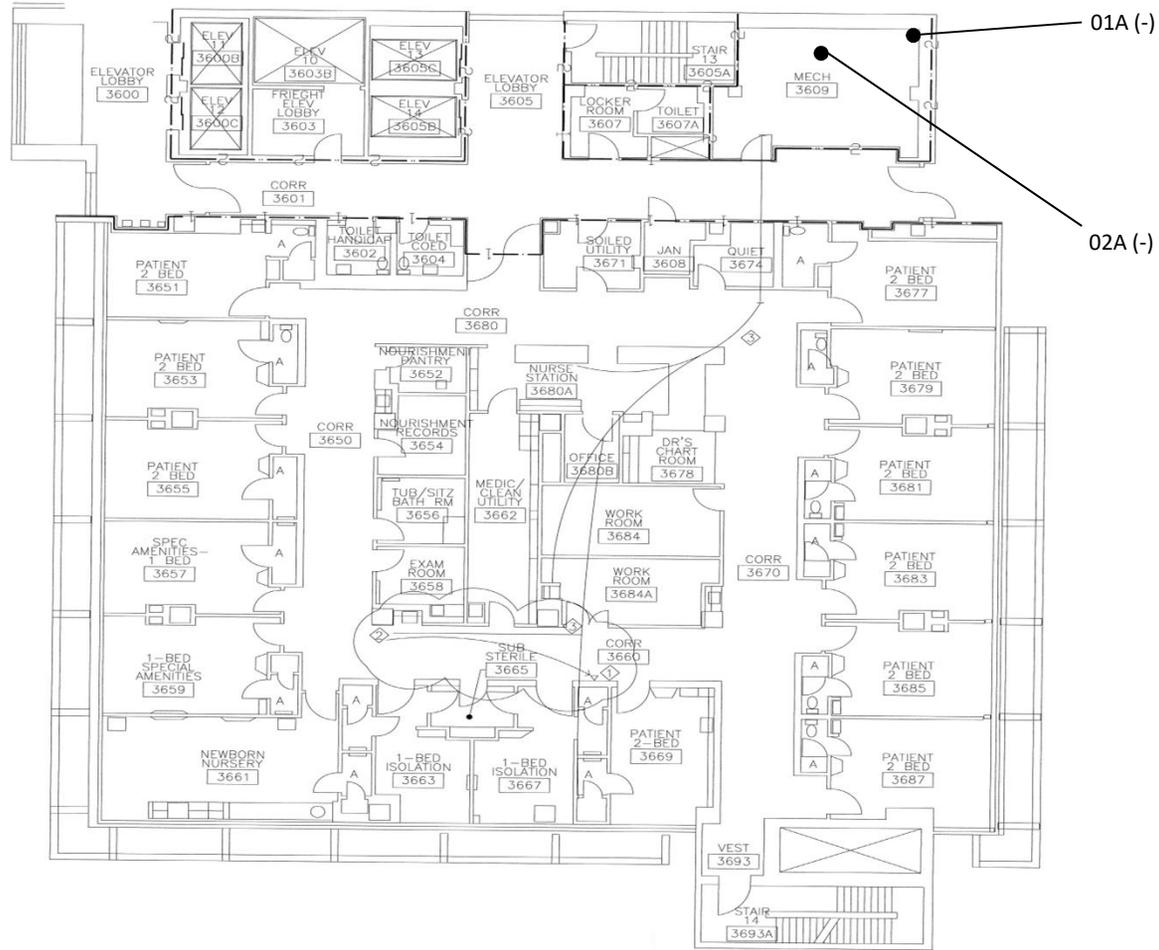
UC Davis Medical Center
University Tower VOIP Cabling Project
Floors 1, 3, 4, 7, & 8
Sacramento, CA 95817

Entek Consulting Group, Inc.
4200 Rocklin Road, Suite 7
Rocklin, CA 95677
Map Not to Scale

Asbestos Bulk Sample Locations
Collected by Matt Reilly
on July 19, 2018
Project Number 18-4867

Z:\Clients\UCOMC\18-4867 University Tower VOIP Cabling Project - Limited
Asb #M03IG08\Drawings\Sample\Asbestos - 1st Floor

Third Floor



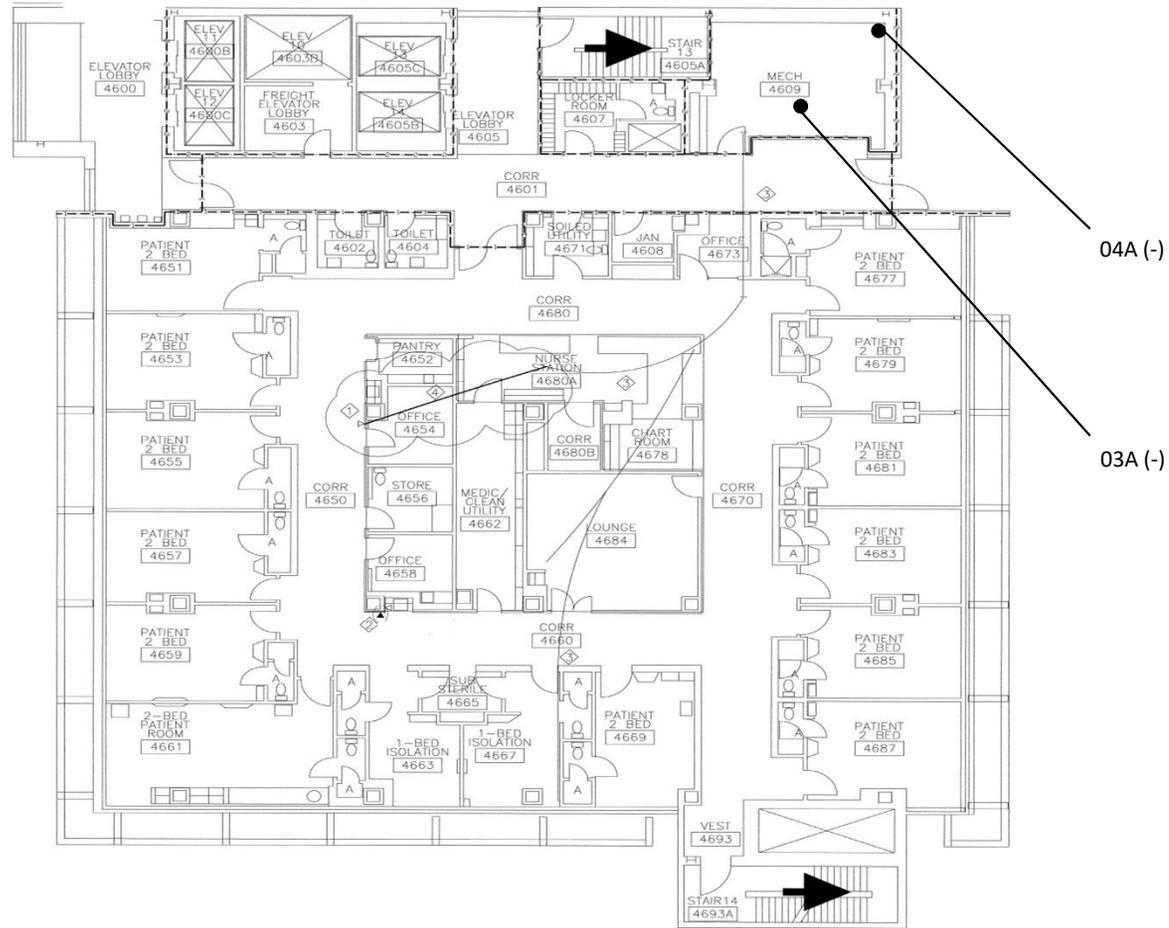
UC Davis Medical Center
 University Tower VOIP Cabling Project
 Floors 1, 3, 4, 7, & 8
 Sacramento, CA 95817

Entek Consulting Group, Inc.
 4200 Rocklin Road, Suite 7
 Rocklin, CA 95677
 Map Not to Scale

Asbestos Bulk Sample Locations
 Collected by Matt Reilly
 on July 19, 2018
 Project Number 18-4867

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 Asb #M03IG08\Drawings\Sample\Asbestos - 3rd Floor

Fourth Floor



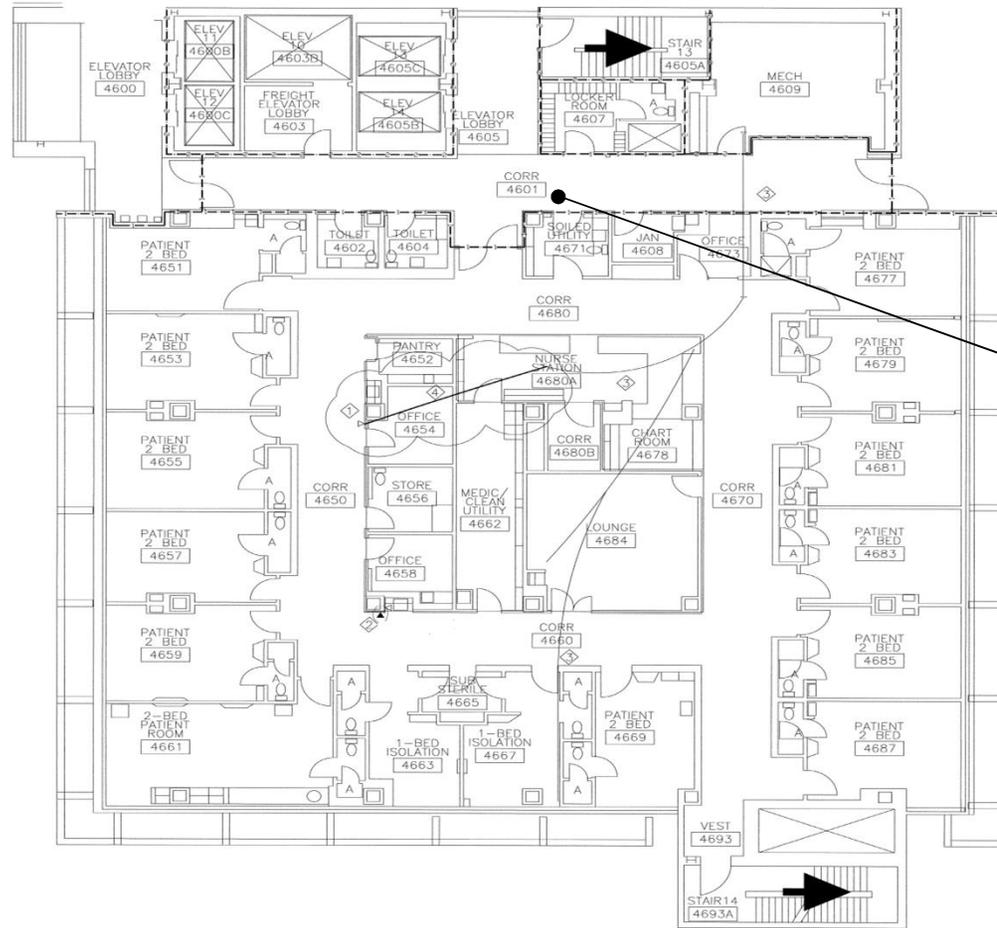
UC Davis Medical Center
 University Tower VOIP Cabling Project
 Floors 1, 3, 4, 7, & 8
 Sacramento, CA 95817

Entek Consulting Group, Inc.
 4200 Rocklin Road, Suite 7
 Rocklin, CA 95677
 Map Not to Scale

Asbestos Bulk Sample Locations
 Collected by Matt Reilly
 on July 19, 2018
 Project Number 18-4867

Z:\Clients\UCOMC\18-4867 University Tower VOIP Cabling Project - Limited
 Asb #M03IG08\Drawings\Sample\Asbestos - 4th Floor

Fourth Floor



11A(-)

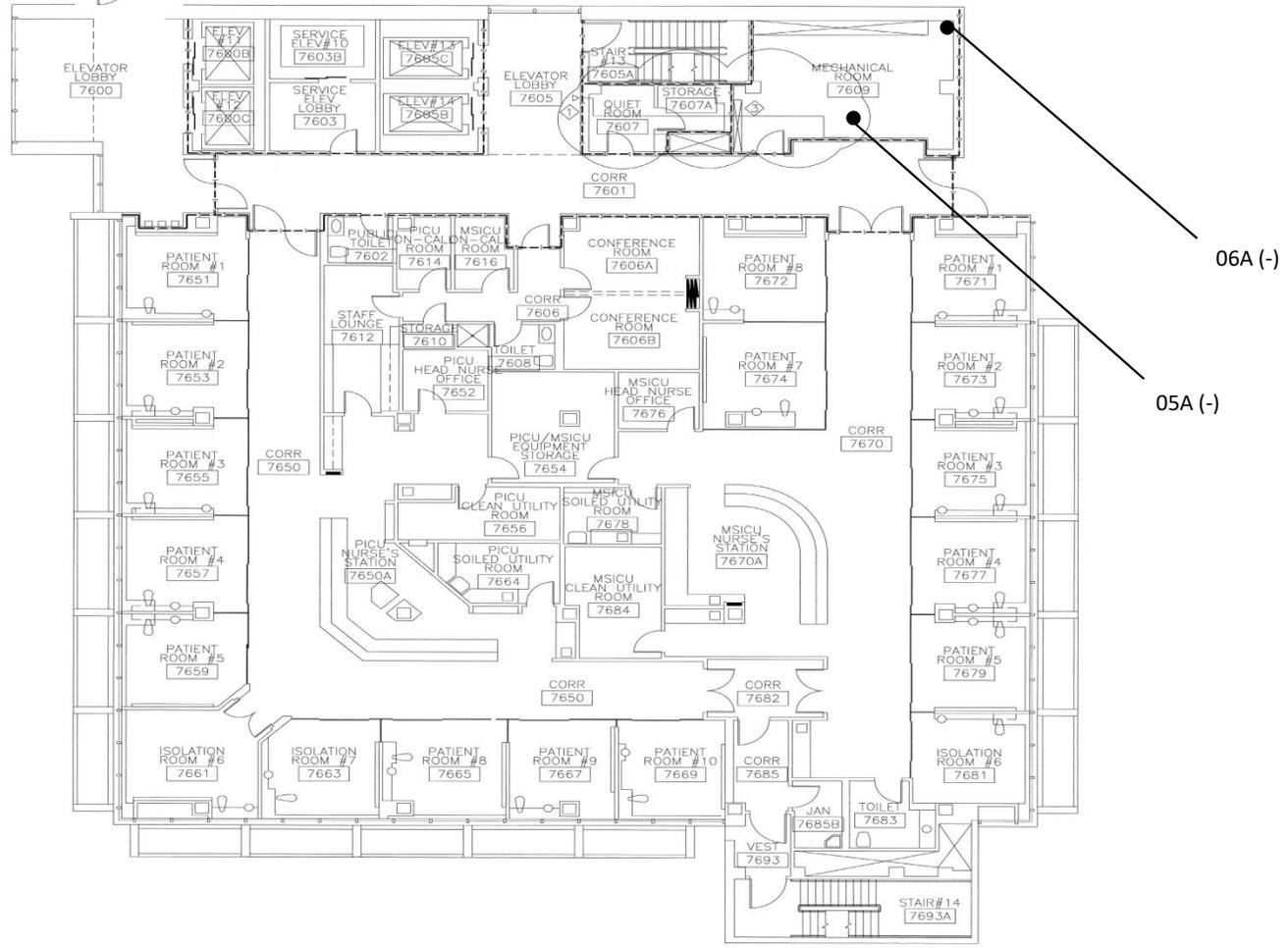
UC Davis Medical Center
University Tower VOIP Cabling Project
Floors 1, 3, 4, 7, & 8
Sacramento, CA 95817

Entek Consulting Group, Inc.
4200 Rocklin Road, Suite 7
Rocklin, CA 95677
Map Not to Scale

Z:\Clients\UCDMC\18-4867 University Tower VOIP Cabling Project - Limited
Asb #M031308\Drawings\Sample\Asbestos - 4th Floor 7-30-18

Asbestos Bulk Sample Location
Collected by Andy Roed
on July 30, 2018
Project Number 18-4867

Seventh Floor



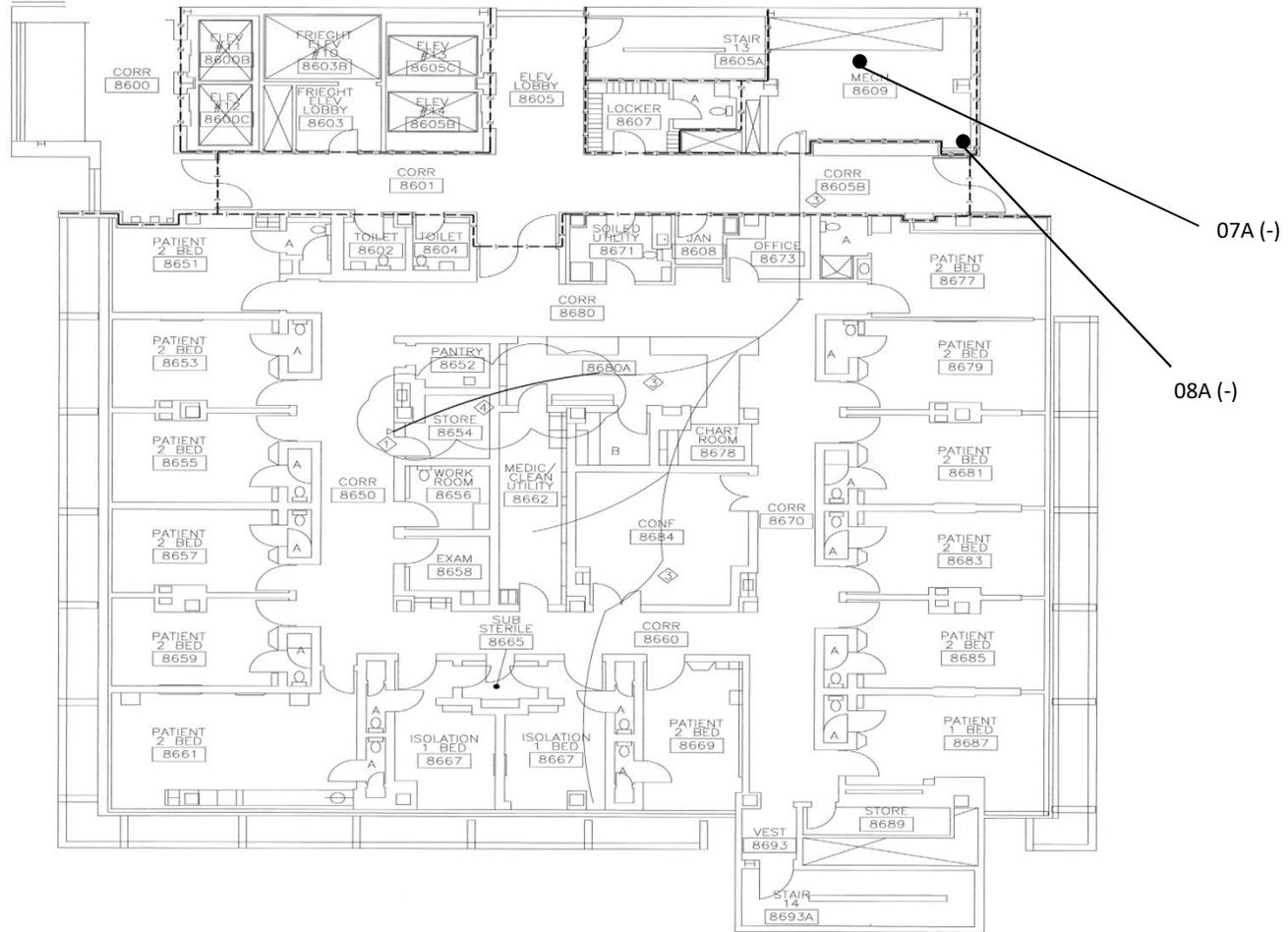
UC Davis Medical Center
 University Tower VOIP Cabling Project
 Floors 1, 3, 4, 7, & 8
 Sacramento, CA 95817

Entek Consulting Group, Inc.
 4200 Rocklin Road, Suite 7
 Rocklin, CA 95677
 Map Not to Scale

Asbestos Bulk Sample Locations
 Collected by Matt Reilly
 on July 19, 2018
 Project Number 18-4867

Z:\Clients\UCOMC\18-4867 University Tower VOIP Cabling Project - Limited
 Asb #M030308\Drawings\Sample\Asbestos - 7th Floor

Eighth Floor



UC Davis Medical Center
University Tower VOIP Cabling Project
Floors 1, 3, 4, 7, & 8
Sacramento, CA 95817

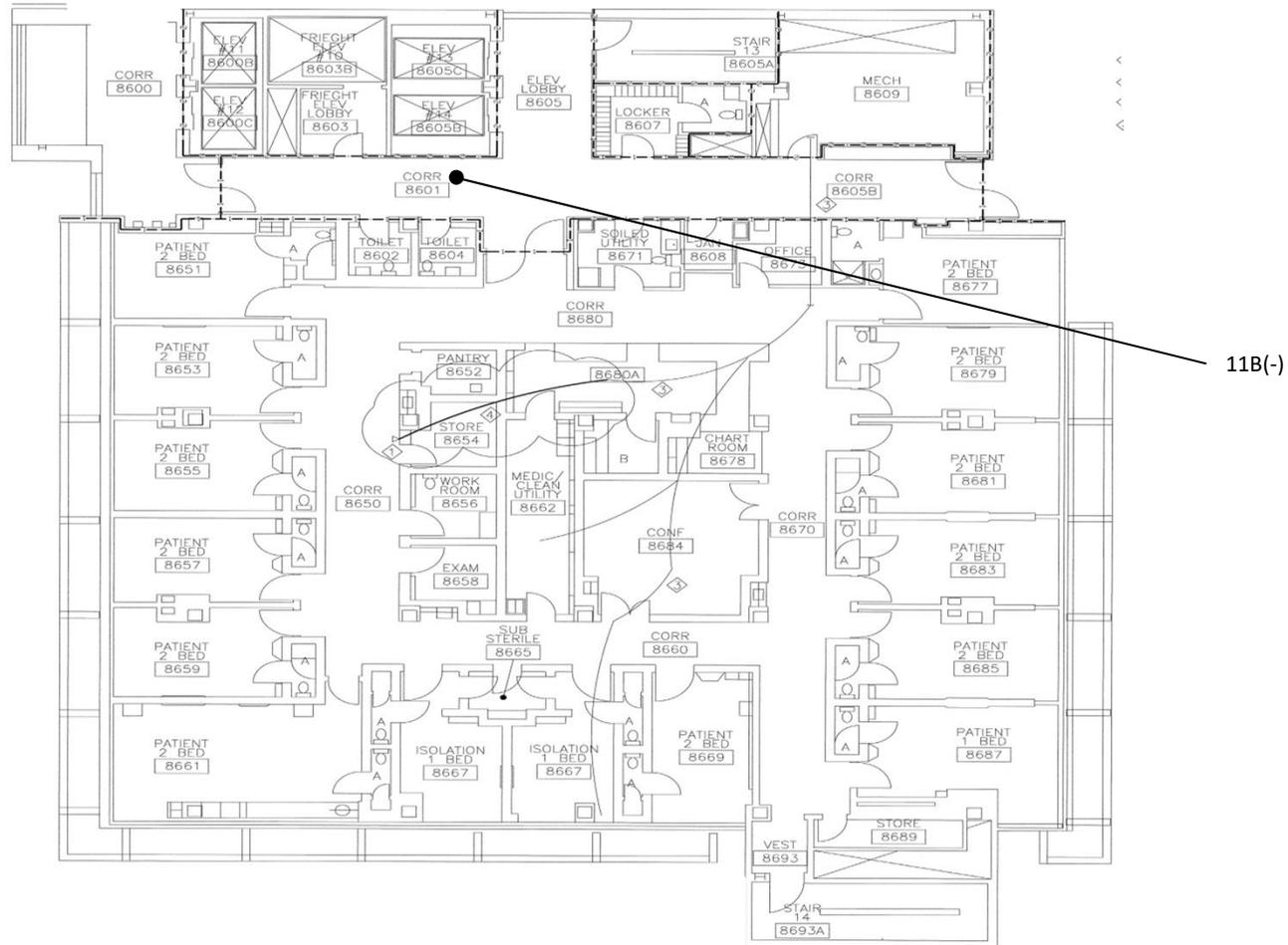
Entek Consulting Group, Inc.
4200 Rocklin Road, Suite 7
Rocklin, CA 95677
Map Not to Scale

Asbestos Bulk Sample Locations
Collected by Matt Reilly
on July 19, 2018
Project Number 18-4867

Z:\Clients\UCOMC\18-4867 University Tower VOIP Cabling Project - Limited
Asb #MD3IGDB\Drawings\Sample\Asbestos - 8th Floor



Eighth Floor



UC Davis Medical Center
University Tower VOIP Cabling Project
Floors 1, 3, 4, 7, & 8
Sacramento, CA 95817

Entek Consulting Group, Inc.
4200 Rocklin Road, Suite 7
Rocklin, CA 95677
Map Not to Scale

Z:\Clients\UCDMC\18-4867 University Tower VOIP Cabling Project - Limited
Asb #MQ3308\Drawings\Sample\Asbestos - 8th Floor 7-30-18

Asbestos Bulk Sample Location
Collected by Andy Roed
on July 30, 2018
Project Number 18-4867



Asbestos Renovation/Demolition Notification Form

777 12th Street, 3rd Floor
Sacramento, CA 95814
Office (916) 874-4800
Fax (916) 874-4899
Asbestos@airquality.org

1	Building Department Permit Application # (if known) : _____	<input checked="" type="checkbox"/> Renovation (Do not complete Section 5) <input type="checkbox"/> Demolition (Complete all sections) <input type="checkbox"/> Ordered Demo - Attach ordered demo letter <input type="checkbox"/> Emergency Demo - SMAQMD Emergency #. _____
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2	Contractor	Owner	UCDMC	
	Address	Address	2315 Stockton Blvd.	
	City, State / Zip	City, State / Zip	Sacramento, CA 95817	
	Email	Email	kpickett@ucdavis.edu	
	Telephone	Telephone	(916) 734-4436	

3	Structure Name	University Tower	Renovation Area	1 st 3 rd 4 th 7 th 8 th Floor Mechanical Rooms	# of Floors	8
	Project Address	2315 Stockton Blvd	City / Zip	Sacramento	Year Built	1982

4	Preference for return of form	<input type="checkbox"/> E-mail	<input type="checkbox"/> Other :
----------	-------------------------------	---------------------------------	----------------------------------

DEMOLITIONS ONLY - Start date must be at least 10 working days from the day of your postmark or hand delivery of this form.

5		Revision # 1 2 3 4 5 6 7 8 9 (circle)		
	Start Date	____/____/____	New Start Date	____/____/____
	Completion Date	____/____/____	New Completion Date	____/____/____
	Method of Demo: (Check Applicable): <input type="checkbox"/> Manual/Hand Tools <input type="checkbox"/> Mechanical/Heavy Equipment <input type="checkbox"/> Other			
	Procedure to be followed if RACM is found or Category II material becomes friable:			

I have read and understand the directions. The information on this form is true and accurate. I certify that the asbestos survey conducted represents the facility as built.

6	Application Name (Print)	<input type="checkbox"/> Owner	Permit may be issued on:
	Phone Number	<input type="checkbox"/> Rep / Agent	
	Application Signature	<input type="checkbox"/> Contractor	
		Date	

Have DOSH Consultant complete and sign below OR attach completed Asbestos Survey Form and Consultant's report.

CONSULTANT USE ONLY	Company Name	Entek Consulting Group, Inc.	Telephone	(916) 632-6800	
	Surveyor Name	Matt Reilly	DOSH #	18-6208	
	Analytical Method	PLM by Dispersion Staining	Pt Count Materials <10%	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Declined by Client	
	Amount of RACM	Square Feet -0-	Linear Feet	-0-	
			Cubic Feet	-0-	
	Amount of Category I	-0-	Amount of Category II	-0-	
	Project Address	2315 Stockton Blvd	City	Sacramento	Zip
Suspect Materials Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Consultant's Signature		

SMAQMD USE ONLY

Date Received / Date Postmark _____ Date Approved & Returned _____

Project # _____ Check # _____ Receipt # _____ Amount Paid _____ Staff _____



Asbestos Survey Form

(See Instructions)

777 12th Street, 3rd Floor
 Sacramento, CA 95814
 Office (916) 874-4800
 Fax (916) 874-4899
 Email:
asbestos@airquality.org

1. Purpose of Survey		<input checked="" type="checkbox"/> Renovation		<input type="checkbox"/> Demolition		
2. Facility Information						
Project Area(s) Description University Tower 1 st , 3 rd , 4 th , 7 th , 8 th Floor Mechanical Rooms						
Address 2315 Stockton Blvd			City Sacramento		# of Structures 1	
3. Owner Information						
Name UCDMC						
Address 4200 Second Avenue, Suite 3010			City/State Sacramento		Zip 95817	
Contact		Phone		Fax		
Tom Emme		916-734-4436		-0-		
Email kpickett@ucdavis.edu						
4. Consultant Information			Survey Date(s): July 19, 2018 & July 30, 2018			
Company Name Entek Consulting Group, Inc.						
Name Matt Reilly				DOSH # 18-6208		
Address 4200 Rocklin Road, Suite 7			City/State Rocklin, California		Zip 95677	
Phone (916) 632-6800		Fax (916) 632-6812		Email mreilly@entekgroup.com		
				Signature 		
5. Client Information (If different than owner)						
<input type="checkbox"/> General Contractor <input type="checkbox"/> Insurance Company <input type="checkbox"/> Architect <input type="checkbox"/> Property Manager <input type="checkbox"/> Other _____						
Name						
Address				City/State		
				Zip 95678		
Contact		Phone		Fax		
6. Have all of the suspect materials that will be disturbed been sampled?					<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
If no, explain why:						
7. Summary of Total Asbestos Containing Material (ACM) Findings						
Regulated Asbestos Containing Material (RACM) (Includes materials subject to known mechanical removal and fire damaged materials)			Category II		Category I	
Square Ft.	Linear Ft.	Cubic Ft.	Square Ft.	Linear Ft.	Square Ft.	Linear Ft.
-0-	-0-	-0-	-0-	-0-	-0-	-0-
To receive future SMAQMD Rule updates and changes affecting your industry (check one box):						
<input type="checkbox"/> Please send e-mail notices to			<input type="checkbox"/> I will sign up myself at www.airquality.org/listserve/ to receive emailed notices.			
<input checked="" type="checkbox"/> I am already subscribed.		<input type="checkbox"/> I want the District to mail notices to the address on this application:			<input type="checkbox"/> Owner <input type="checkbox"/> Consultant	



APPENDIX B

BACK UP DOCUMENTATION

- Inspector Accreditations and Certifications
- Laboratory Accreditations for Asbestos Analysis

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



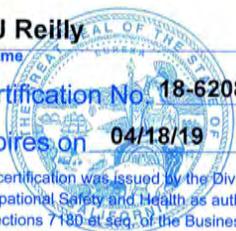
Matt J Reilly

Name

Certification No. **18-6208**

Expires on **04/18/19**

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.



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



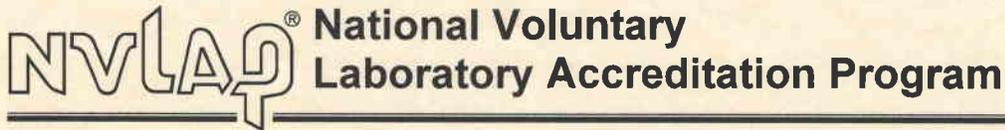
Andrew R Roed

Name

Certification No. **16-5695**

Expires on **08/17/18**

This certification was issued by the Division of Occupational Safety and Health as authorized by Sections 7100 et seq. of the Business and Professions Code.



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

ASBESTECH
6825 Fair Oaks Blvd., Suite 103
Carmichael, CA 95608
Mr. Tommy Conlon
Phone: 916-481-8902 Fax: 916-481-3975
Email: asbestech@sbcglobal.net
<http://www.asbestechlab.com>

ASBESTOS FIBER ANALYSIS

NVLAP LAB CODE 101442-0

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

<u>Code</u>	<u>Description</u>
18/A02	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

United States Department of Commerce
National Institute of Standards and Technology



Certificate of Accreditation to ISO/IEC 17025:2005

NVLAP LAB CODE: 101442-0

ASBESTECH
Carmichael, CA

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

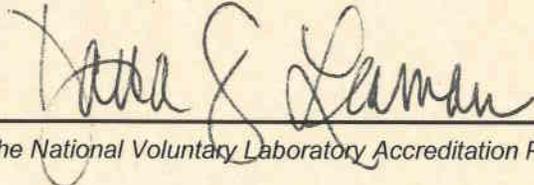
Asbestos Fiber Analysis

*This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005.
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).*

2018-07-01 through 2019-06-30

Effective Dates




For the National Voluntary Laboratory Accreditation Program



APPENDIX C

PHOTOS

Photographs

Date: 7/19/18
Project Number: 18-4867
Client: UCDCM
Job Site: VOIP Cabling Project

ENTEK CONSULTING GROUP, INC.
4200 Rocklin Road, Suite 7
Rocklin, CA 95677
(916) 632-6800
FAX (916) 632-6812

#	Description/Locations	Photo
1	Gray Fireproofing, 1 st Floor Mechanical Room	 A photograph showing a mechanical room with various pipes and conduits. A prominent feature is a large, curved section of gray fireproofing material. A red label is visible on a metal surface in the foreground.
2	White Drywall/Joint Compound, 1 st Floor Mechanical Room	 A close-up photograph of white drywall and joint compound. A yellow marker or tape is visible on the right side of the image.

#	Description/Locations	Photo
3	3 rd Floor Mechanical Room	
4	3 rd Floor Fireproofing	

#	Description/Locations	Photo
5	4 th Floor White Drywall/Joint Compound	
6	8 th Floor Mechanical Room	



APPENDIX D

HISTORICAL DOCUMENTATION



**ENTEK
CONSULTING GROUP, INC.**

4200 Rocklin Road, Suite 7, Rocklin, CA 95677 Phone (916) 632-6800 Fax (916) 632-6812 www.entekgroup.com

**ASBESTOS AND LEAD IN PAINT MATERIALS SURVEY
FINAL REPORT**

OWNER/CLIENT

**UC Davis Medical Center
Facilities Design & Construction
4800 2nd Avenue, Suite 3010
Sacramento, CA 95817**

CONTACT

**Mr. Ken Pickett
Project Manager**

SURVEY ADDRESS

**UC Davis Medical Center
University Tower- First Floor
University Tower First Floor
2315 Stockton Blvd.
Sacramento, CA 95817**

BUILDING AREAS SURVEYED

Hospital Seismic Upgrade - UT 1st Floor Remodel 9559400

PREPARED BY

**Rick Beall, CIH, CSP, CAC
CAC #92-0032
Entek Consulting Group, Inc.
4200 Rocklin Road, Suite 7
Rocklin, CA 95677**

Entek Project #14-3364

June 29, 2016



TABLE OF CONTENTS

Executive Summary.	<u>3</u>
Introduction.	<u>4</u>
Asbestos Bulk Sample Results.	<u>4</u>
Asbestos Regulatory Requirements.	<u>7</u>
Lead Sampling Results.	<u>8</u>
Limitations.	<u>9</u>
Appendices	
A. Asbestos Related Documents	
B. Lead Related Documents	
C. Backup Documentation	
D. Historical Sampling Data	



Executive Summary

The United States Environmental Protection Agency, National Emission Standards for Hazardous Air Pollutants (US EPA NESHAP), 40 CFR Part 61, requires an owner or operator of a demolition or renovation project to thoroughly inspect the affected facility or part of the facility where the demolition or renovation operation will occur for the presence of asbestos-containing materials (ACM) prior to the commencement of that project.

This inspection report was requested by Mr. Ken Pickett, Project Manager with FD&C at UC Davis Medical Center.

The purpose of this limited inspection was to comply with US EPA NESHAP requirements, as enforced by the Sacramento Metropolitan Air Quality Management District (SMAQMD) Rule 902 to determine if asbestos containing materials are present which may be impacted during a planned project on the first floor of the University Tower during the Hospital Seismic Upgrade - UT 1st Floor Remodel AC #9559400 Project. The inspection is supplemental to other inspections in other areas in the University Tower and was specific to this project.

The attached drawing shows approximate sample locations and also identify those bulk sample materials analyzed and found to contain asbestos greater than 1% with a (+) after the sample number. Materials analyzed and found to contain less than 1% asbestos or reported as none detected have a (-) after each sample number.

Materials are classified in the tables of this report as regulated asbestos containing material (RACM), Category I (CAT-I) or Category II (CAT-II) ACM, or asbestos containing construction material (ACCM), which included collecting multiple samples of some materials. Contractors and other individuals who view the sample locations and associated results indicated with either a (-) or a (+) on the drawing to make determinations take the risk of misidentifying a material and may arrive at determinations which are in direct conflict with the written findings of this report. This use of the drawing and the information provided on it relating to individual sample results in determining if a material does or does not contain asbestos is not recommended.

This is a summary of the report. The report must be read in its entirety, and the reader must review all the detailed information provided in the body of the report prior to making any interpretations, or conclusions pertaining to the information. Any conclusions made by the reader about the information provided in the body of this report which are contradictory or not included in this report are the responsibility of the reader.

Asbestos

Entek conducted a supplemental survey for asbestos containing materials and lead in paint on June 24-25, 2016 in the project area that was limited to the first floor in the University Tower where the major demolition of finishes will be performed.

The results of the inspection and bulk sampling for asbestos identified asbestos to be present only in the black mastic associated with the flooring system. Although only yellow



mastic was observed under the two sheet vinyl flooring systems, Entek is assuming there is black mastic under the sheet vinyl flooring system, as well as, under all vinyl floor tiles.

Historical asbestos and bulk sampling of other areas of the hospital was performed by Entek and others, which are included for you as references. Attached with this report are other historical asbestos sampling reports in the University Tower, which was constructed in the early 1980's. The only asbestos known to be present in the University Tower is black mastic associated with flooring systems.

Lead

Entek investigated existing paints, bricks,, and ceramic tiles in an effort to determine if lead was present in these materials. Lead analysis by XRF technology was used to assess painted surfaces, ceramic tiles and brick in the project area. Prior investigations included bulk samples of red colored primer paint on structural steel members, which identified high concentrations of lead in the red primer paint.

Introduction

This report presents results of an asbestos survey performed by Entek which included only the project area on the first floor of the University Tower specific to the planned project. The asbestos survey was conducted by Rick Beall, CIH, CSP, CAC, who is a US EPA Asbestos Hazard Emergency Response Act (AHERA)-accredited building inspector and a Cal/OSHA Certified Asbestos Consultant (CAC).

Approximate locations of all samples collected during this inspection are indicated on the "Bulk Asbestos Material Analysis Request Form for Entek", which served as the chain of custody for the samples, and on the building diagram attached to this report.

Asbestos Bulk Sample Results

There were several materials observed which are considered "suspect" under US EPA guidelines. Under current US EPA guidelines for conducting building inspections for ACM, all "suspect" materials must be assumed to contain asbestos until otherwise determined by laboratory testing.

The samples were submitted to Asbestech, a laboratory located in Carmichael, California. These samples were subsequently analyzed by polarized light microscopy (PLM) with dispersion staining. Asbestech is accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for this analysis.

US EPA NESHAP uses the terms RACM, CAT-I, & CAT-II when identifying materials which contain asbestos in amounts greater than 1%. Cal/OSHA uses the term ACCM which indicates a manufactured construction material contains greater than 0.1% asbestos by weight by the PLM method. This definition can be found in 8 CCR Part 1529.

A total of 23 bulk samples were collected of materials considered to be "suspect", which were observed during this investigation that might be impacted by the project as described



to Entek. Some of those samples contained multiple layers which were individually analyzed to determine their asbestos content. Asbestos was detected in only one of the samples that had black floor mastic present in the sample.

Results of the analysis of are listed in the following tables.

Suspect Materials Found or Known TO Contain >1% Asbestos (CAT-I)				
Sample ID#'s	Suspect Material	Asbestos Content/Type (%) by PLM	Location	Total Estimated Quantity
-05A	Black Mastic and all Vinyl Floor Tiles and Sheet Vinyl Flooring*	1-5% Chrysotile	Assumed to be present throughout the project area under all vinyl floor tiles and sheet vinyl flooring	Not Determined

* Although the vinyl floor tiles and sheet vinyl flooring materials themselves were found to not contain asbestos, the black mastic under these flooring systems do contain asbestos and when the vinyl floor tiles and sheet vinyl flooring is removed, asbestos containing mastic will be present on the underside of the flooring materials.

Suspect Materials Found NOT TO Contain Asbestos or Considered Non-Suspect				
Sample ID#'s	Suspect Material	EPA AHERA "Suspected" ACM	Asbestos Content	Location
-01A -17A	Carpet Adhesive (yellow)	Miscellaneous	None Detected	Under Carpeted Areas
-02A	12" Vinyl Floor Tiles* (dark orange mottled) with yellow mastic	Miscellaneous	None Detected	Many locations in project area
-03A	12" Vinyl Floor Tiles* (white mottled) with yellow mastic and white floor filler	Miscellaneous	None Detected	Many locations in project area
-04A	12" Vinyl Floor Tiles* (cream mottled) with yellow mastic	Miscellaneous	None Detected	Many locations in project area
-06A	Sheet Vinyl Flooring* (yellow) and yellow adhesive	Miscellaneous	None Detected	Supply Room 1693
-07A	Sheet Vinyl Flooring* (cream) and yellow adhesive	Miscellaneous	None Detected	Several Storage Rooms



Suspect Materials Found NOT TO Contain Asbestos or Considered Non-Suspect				
Sample ID#'s	Suspect Material	EPA AHERA "Suspected" ACBM	Asbestos Content	Location
-08A	Concrete Floor	Miscellaneous	None Detected	Throughout project area
-09A	Red Brick	Miscellaneous	None Detected	Walls of Lobby
-10A	Mortar	Miscellaneous	None Detected	Associated with red brick walls of Lobby
-11A -11B	Base Cove mastic (brown) with wall paper and wall paper adhesive	Miscellaneous	None Detected in all layers	Throughout project area
-12A	Red Brick	Miscellaneous	None Detected	Floors of Lobby
-13A	Mortar (gray)	Miscellaneous	None Detected	Associated with red brick floors of Lobby
-14A-C	Stucco	Miscellaneous	None Detected	Associated with walls of Lobby entrance and exterior walls
-15A	Grout (white-gray)	Miscellaneous	None Detected	Walls with ceramic wall tiles in both restrooms by Coffee Kiosk
-16A	Mortar (gray)	Miscellaneous	None Detected	Associated with clay floor tiles at Coffee Kiosk
-18A	2' x 2' Acoustical Ceiling Panels	Miscellaneous	None Detected	Conference Room 1655
-19A	2' x 2' Acoustical Ceiling Panels	Miscellaneous	None Detected	Throughout most of the project area
-20A	Grout (gray)	Miscellaneous	None Detected	Associated with ceramic floor tiles in both restrooms by Coffee Kiosk
See Historical Reports	Red Fire Caulking	Miscellaneous	None Detected	Attic space at penetration areas of drywall
See Historical Reports	Fireproofing	Surfacing	None Detected	Throughout project area on structural steel and over spray on metal deck in attic space
See Historical Reports	Drywall and Joint Compound	Miscellaneous	None Detected	Throughout project area



NOTE: All sample numbers are preceded by ECG-14-3364-

US EPA AHERA uses three terms when determining the classification of a material for the purpose of sampling. These terms include miscellaneous, surfacing, and thermal system insulation (TSI).

Miscellaneous materials are building materials on structural components, structural members or fixtures, such as floor and ceiling tiles, and does not include surfacing material or TSI.

Surfacing materials are materials that are sprayed-on, troweled-on, or otherwise applied to surfaces, such as acoustical plaster on ceiling and fireproofing materials on structural members, or other materials on surfaces for acoustical, fireproofing, or other purposes.

TSI is material applied to pipes, fittings, boilers, breeching, tanks, ducts, or other structural components to prevent heat loss or gain, water condensation, or for other purposes.

The information provided in the table of this report is for use by the Owner in determining where asbestos containing materials are located, and whether or not any future work may impact those materials. The information is also provided for use by any contractor who may perform work in areas impacting the materials listed in this report.

Any building materials which are considered “suspect” for containing asbestos which have not been identified in this report must be assumed to contain asbestos in amounts >1% until properly investigated and/or tested.

Materials commonly excluded from being suspected for containing asbestos include, but are not limited to: unwrapped pink and yellow fiberglass insulating materials or products, foam insulation, wood, metal, plastic, rubber, or glass. All other types of building materials or coatings on the materials listed above are commonly listed as “suspect” and must be tested prior to impact. Work impacting these untested or newly discovered materials must cease until an investigation can be completed.

Asbestos Regulatory Requirements

US EPA

The property included in this survey report is located in Sacramento County. Sacramento Metropolitan Air Quality Management District (SMAQMD) has been given authority for enforcement of the NESHAP regulations in Sacramento County through the use of their own rules (Rule 902).

Ten day advance written notification to the SMAQMD is required prior to the performance of any demolition project regardless of asbestos being present or not. A demolition is the wrecking, taking out, or burning of any load supporting structural member. A renovation is everything else.



The SMAQMD asbestos regulations do not apply if the black floor mastic is removed by manual methods. If the black floor mastic is removed by mechanical means, the SMAQMD regulations apply including written notification and a 10 day notification period. The two SMAQMD forms “Asbestos Survey Form” and the “Asbestos Renovation/Demolition Notification Form” are provided in this report for the contractor prior to the project to assist in obtaining a building permit.

Cal/OSHA

Disturbance of any ACM or ACCM could generate airborne asbestos fibers and would be regulated by Cal/OSHA. Cal/OSHA worker health and safety regulations apply during any disturbance of ACM or ACCM by a person while in the employ of another. This is true regardless of friability or quantity disturbed.

Since asbestos was detected in flooring mastic, the Cal/OSHA regulations for asbestos (Title 8 1529) do apply.

Lead

A X-ray fluorescence (XRF) Spectrum Analyzer was used during the lead inspection portion of this survey as a screening tool in determining if lead is present in quantities which would require existing paints and/or coatings to be classified as LBP.

In XRF spectroscopy, the process begins by exposing the sample in question to a source of x-rays or gamma rays. As these high energy photons strike the sample, they tend to knock electrons out of their orbits around the nuclei of the atoms that make up the sample. When this occurs, an electron from an outer orbit, or “shell”, of the atom will fall into the shell of the missing electron. Since outer shell electrons are more energetic than inner shell electrons, the relocated electron has an excess of energy that is expended as an XRF photon. This fluorescence is unique to the composition of the sample. The detector collects this spectrum and converts them to electrical impulses that are proportional to the energies of the various x-rays in the sample’s spectrum. Since each element has a different and identifiable x-ray signature, we can look at specific parts of the emitted spectrum, and by counting the pulses in the sector, determine the presence and concentration of the element(s) in question within the sample. Entek uses a Niton XRF spectrum analyzer which is specific to measuring only lead in the building substrate.

Lead Sampling Results

XRF Spectrum Analyzer testing indicated lead was present in concentrations $>1.0 \text{ mg/cm}^2$ on various building components. These building components and colors of paints included: Structural steel beam members with red primer paint located in the attic space and associated columns. These paints/coatings are classified as LBP. All XRF sampling data are presented on the attached “Lead Testing Data Sheets (OSHA)” in the Appendix at the back of the report.

XRF direct reading technology is not capable of determining lead concentrations below 1.0 mg/cm^2 . The limit of detection for this device with a 95% confidence level is 1.0 mg/cm^2 .



As a result, any reading provided by the XRF technology does not provide adequate information to determine the actual content of lead in the paint/coating being tested. Any XRF reading less than 1.0 mg/cm² (including readings of 0.00) only indicate lead is not present at levels high enough to classify the paint/coating as LBP. Therefore, any building component, paint, or coating not specifically analyzed by atomic absorption spectrometry (AAS) for lead content must be considered to contain some amount of lead and lead related work practices will apply if they are to be impacted.

Three bulk samples of the painted surfaces from structural steel components were collected on a previous investigation and submitted to Asbestech laboratory. These samples were subsequently analyzed by atomic absorption spectrometry (AAS). Results of the analysis are listed in the following tables:

Paints/Coatings/ Materials Determined to be Lead Based Paint (LBP)		
Paint/Coating Color or Material	Lead Content	Component/Location
Red Paint	170,000	Structural metal support members in attic spaces and wall cavities

LBP - Materials/coatings/paints meeting the definition of lead-based paint as defined by the CDPH and the US EPA, currently defined as containing lead in concentrations equal to or greater than 1.0 mg/cm², 5,000 ppm, or 0.5% by weight.

Paints/Coatings/ Materials Determined to be Lead Containing Paint (LCP)		
Paint/Coating Color or Material	Lead Content	Component/Location
Red Paint	920-1,100	Metal studs in wall cavities

LCP - Materials/coatings/paints which contain measurable amounts of lead. The disturbance of these materials/coatings/paints is regulated by Cal/OSHA.

Limitations

Entek inspected only the specific designated areas identified by the drawings provided to Entek by the UC Davis Medical Center in the upcoming project, which did not include all areas of the building's interior and exterior components. The information provided in this inspection report may not be used to extend the inspection results to areas not included in this report without additional review and sampling as necessary.

Entek's policy is to retain a full copy of these written documents for three (3) years once the file is closed. At the end of the three (3) year period the written files will be destroyed without further notice. It is suggested copies of the file(s) are maintained as per UC Davis Medical Center policy. Entek will be providing only this electronic copy of the report and



its attachments for your use. However, if you would like a hard copy of this report please do not hesitate to ask. Entek will be happy to mail the report upon receipt of your request.

Thank you for choosing Entek for your hazardous materials needs. Please call me at (916) 632-6800 if you have any questions regarding this report.

A handwritten signature in black ink that reads "Rick Beall".

Prepared by:

Rick Beall, CIH, CSP, CAC
Cal/OSHA CAC #92-0032

Appendices

- A. Asbestos Related Documents
- B. Lead Related Documents
- C. Backup Documentation
- D. Historical Sampling Reports

Z:\Clients\UCDMC\14-3364 UT 1 Remodel - Asb & Pb Specs\Reports\Asb & Pb Insp Rpt UT1 Seismic Upgrade Remodel 6-29-16.wpd



APPENDIX A

ASBESTOS RELATED DOCUMENTS

- Bulk Asbestos Analysis Report From Asbestech
- Bulk Asbestos Material Analysis Request Form for Entek
- Asbestos Bulk Sample Location Drawing
- SMAQMD Asbestos Survey Form
- SMAQMD Asbestos Renovation/Demolition Survey Form



BULK ASBESTOS MATERIAL *Analysis Report*

ENTEK CONSULTING GROUP, INC.

4200 ROCKLIN ROAD, SUITE 7

ROCKLIN, CA 95677

(916) 632-6800 PHONE

(916) 632-6812 FAX

mainoffice@entekgroup.com; rbeall@entekgroup.com

Date of Sampling: June 24-25, 2016

Lab: Asbestech

Job Number: 14-3364

Turnaround Time: Monday 6/27/16 5:00 PM

Client Name: UC Davis Medical Center
Hospital Seismic Upgrade
UT 1st Floor Remodel

Collected by: Rick Beall

Address: University Tower
1st Floor Project
4800 2nd Avenue
Sacramento, CA

SAMPLE #	RESULTS	MATERIAL DESCRIPTION/LOCATION
ECG-14-3364-01A	NONE DETECTED	Carpet Adhesive (yellow); Room 1697 at door entrance
ECG-14-3364-02A	NONE DETECTED	12" Vinyl Floor Tiles dark orange mottled with yellow mastic; Room 1697 at door entry
ECG-14-3364-03A	NONE DETECTED	12" Vinyl Floor Tiles white mottled with yellow mastic and white floor filler; Room 1697 at door entry
ECG-14-3364-04A	NONE DETECTED	12" Vinyl Floor Tile cream mottled and black mastic; Waiting Room 1670 at NW corner of offset in north wall
ECG-14-3364-05A	NONE DETECTED (12" Vinyl Floor Tile) <1% CHRYSOTILE (Yellow/Black Mastic) NONE DETECTED (White Coating)	12" Vinyl Floor Tiles dark brown mottled with yellow mastic; Room 1676 at door entry of Toilet Room
ECG-14-3364-06A	NONE DETECTED	Sheet Vinyl Linoleum at cove base, yellow with yellow adhesive and drywall paper attached; Supply Room 1693
ECG-14-3364-07A	NONE DETECTED	Sheet Vinyl Linoleum, cream with yellow adhesive; Storage Room 1689
ECG-14-3364-08A	NONE DETECTED	Concrete from floor, Room 1689 Storage Room
ECG-14-3364-09A	NONE DETECTED	Red Brick, wall at NW quadrant of Lobby
ECG-14-3364-10A	NONE DETECTED	Mortar associated with red brick wall, NW quadrant of Lobby
ECG-14-3364-11A	NONE DETECTED	Base Cove Mastic, brown, Waiting Room 1670 at base of column



BULK ASBESTOS MATERIAL *Analysis Report*

ENTEK CONSULTING GROUP, INC.

4200 ROCKLIN ROAD, SUITE 7

ROCKLIN, CA 95677

(916) 632-6800 PHONE

(916) 632-6812 FAX

mainoffice@entekgroup.com; rbeall@entekgroup.com

Date of Sampling: June 24-25, 2016

Lab: Asbestech

Job Number: 14-3364

Turnaround Time: Monday 6/27/16 5:00 PM

Client Name: UC Davis Medical Center
Hospital Seismic Upgrade
UT 1st Floor Remodel

Collected by: Rick Beall

Address: University Tower
1st Floor Project
4800 2nd Avenue
Sacramento, CA

SAMPLE #	RESULTS	MATERIAL DESCRIPTION/LOCATION
ECG-14-3364-11B	NONE DETECTED	Base Cove Mastic, brown with wall paper and adhesive, Corridor 1680 at base of wall by column
ECG-14-3364-12A	NONE DETECTED	Red Brick at floor, NW quadrant of Lobby
ECG-14-3364-13A	NONE DETECTED	Mortar associated with red brick at floor, NW quadrant of Lobby
ECG-14-3364-14A	NONE DETECTED	Stucco, exterior of south entrance on east side
ECG-14-3364-14B	NONE DETECTED	Stucco, exterior of south entrance at west side
ECG-14-3364-14C	NONE DETECTED	Stucco, exterior of south entrance at west side
ECG-14-3364-15A	NONE DETECTED	Mortar/Grout from ceramic wall tile in Men's Restroom by Coffee Kiosk
ECG-14-3364-16A	NONE DETECTED	Mortar associated with clay floor tiles at Coffee Kiosk
ECG-14-3364-17A	NONE DETECTED	Carpet Adhesive (yellow) with white floor filler, NE corner of Lobby
ECG-14-3364-18A	NONE DETECTED	2 x 2 Acoustical Ceiling Panel, Conference Room 1655
ECG-14-3364-19A	NONE DETECTED	2 x 2 Acoustical Ceiling Panel, Waiting Room 1670
ECG-14-3364-20A	NONE DETECTED	Grout (gray) associated with ceramic floor and ceramic base cove in Men's Restroom near Coffee Kiosk

Z:\Clients\UCDMC\14-3364 UT 1 Remodel - Asb & Pb Specs\Asbestos\Bulk Report Asb 6-25-16.wpd

ASBESTECH
 6825 Fair Oaks Blvd., Suite 103
 Carmichael, California 95608
 Tel.(916) 481-8902 Fax (916) 481-3975

Client:

Entek Consulting Group, Inc.
 4200 Rocklin Rd., Suite 7
 Rocklin, CA 95677

Job:

14-3364 UC Davis Medical Center
 Hospital Seismic Upgrade-UT 1st Floor Remodel
 University Tower 1st Floor Project, Sacramento, Ca

BULK ASBESTOS ANALYSIS REPORT

LAB JOB # 63121-1

Date/Time Collected: 6/24-25/16

Date Received: 6/27/16

NVLAP Lab Code 101442-0

CDPH # 1153

Date Analyzed: 6/27/16

<i>Sample No.</i>	<i>Color/Description</i>	<i>% Type Asbestos</i>	<i>Other Materials</i>
ECG-14-3364-01A	Yellow carpet adhesive, room 1697 at door entrance	NONE DETECTED	Synthetics
02A	Dark orange mottled 12" vinyl floor tiles, room 1697 at door entry	NONE DETECTED	Calcite
	Yellow mastic	NONE DETECTED	Synthetics
03A	White mottled 12" vinyl floor tiles, room 1697 at door entry	NONE DETECTED	Calcite
	Yellow mastic	NONE DETECTED	Synthetics
	White floor filler	NONE DETECTED	Gypsum
04A	Cream mottled 12" vinyl floor tiles, waiting room 1670 at NW corner of offset in north wall	NONE DETECTED	Calcite
	Black mastic	NONE DETECTED	Tar Binder
05A	Dark brown mottled 12" vinyl floor tiles, room 1676 at door entry of toilet room	NONE DETECTED	Calcite
	Yellow/ black mastic	<1 CHRYSOTILE	Synthetics
	White coating	NONE DETECTED	Opagues

THE ANALYSIS USES POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING FOLLOWING E.P.A. METHOD 600/R-93/116. NON-FRIABLE MATERIALS WERE ANALYZED APPLYING THE SAME METHOD. THE LOWER DETECTION LIMIT IS <1 % WITH THE PROVISIO THAT PLM MAY NOT DETECT FIBERS <0.25 MICRONS IN DIAMETER THAT MAY BE PRESENT IN SAMPLES SUCH AS FLOOR TILES. IN ACCORDANCE WITH TITLE 22, CCR, SECTION 66261.24(a)(2)(A), THE MCL IS 1%. SAMPLES WERE NOT COLLECTED BY ASBESTECH. THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL WITHOUT THE APPROVAL OF ASBESTECH. THIS REPORT RELATES ONLY TO THE ITEMS TESTED. THIS REPORT MUST NOT BE USED TO CLAIM PRODUCT ENDORSEMENT BY N.V.L.A.P. OR ANY AGENCY OF THE U.S. GOVERNMENT. ASBESTECH ACCEPTS TECHNICAL RESPONSIBILITY FOR THIS REPORT AND DATE OF ISSUE.

ASBESTECH
 6825 Fair Oaks Blvd., Suite 103
 Carmichael, California 95608
 Tel.(916) 481-8902 Fax (916) 481-3975

Client:

Entek Consulting Group, Inc.
 4200 Rocklin Rd., Suite 7
 Rocklin, CA 95677

Job:

14-3364 UC Davis Medical Center
 Hospital Seismic Upgrade-UT 1st Floor Remodel
 University Tower 1st Floor Project, Sacramento, Ca

BULK ASBESTOS ANALYSIS REPORT

LAB JOB # 63121-2

Date/Time Collected: 6/24-25/16

Date Received: 6/27/16

NVLAP Lab Code 101442-0

CDPH # 1153

Date Analyzed: 6/27/16

<i>Sample No.</i>	<i>Color/Description</i>	<i>% Type Asbestos</i>	<i>Other Materials</i>
ECG-14-3364-06A	Beige sheet vinyl linoleum at cove base, supply room 1693	NONE DETECTED	Vinyl Cellulose
	Yellow adhesive	NONE DETECTED	Synthetics
	White drywall paper	NONE DETECTED	Cellulose
	White joint compound	NONE DETECTED	Granular Mins.
07A	Beige sheet vinyl linoleum, storage room 1689	NONE DETECTED	Vinyl Cellulose
	Yellow adhesive	NONE DETECTED	Synthetics
08A	Gray concrete from floor, room 1689 storage room	NONE DETECTED	Granular Mins.
	Brown mastic	NONE DETECTED	Synthetics
09A	Red brick, wall at NW quadrant of lobby	NONE DETECTED	Granular Mins.
10A	Gray mortar on red brick wall, NW quadrant of lobby	NONE DETECTED	Granular Mins.
11A	Brown base cove mastic, waiting room 1670 at base of column	NONE DETECTED	Synthetics

THE ANALYSIS USES POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING FOLLOWING E.P.A. METHOD 600/R-93/116. NON-FRIABLE MATERIALS WERE ANALYZED APPLYING THE SAME METHOD. THE LOWER DETECTION LIMIT IS <1 % WITH THE PROVISIO THAT PLM MAY NOT DETECT FIBERS <0.25 MICRONS IN DIAMETER THAT MAY BE PRESENT IN SAMPLES SUCH AS FLOOR TILES. IN ACCORDANCE WITH TITLE 22, CCR, SECTION 66261.24(a)(2)(A), THE MCL IS 1%. SAMPLES WERE NOT COLLECTED BY ASBESTECH. THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL WITHOUT THE APPROVAL OF ASBESTECH. THIS REPORT RELATES ONLY TO THE ITEMS TESTED. THIS REPORT MUST NOT BE USED TO CLAIM PRODUCT ENDORSEMENT BY N.V.L.A.P. OR ANY AGENCY OF THE U.S. GOVERNMENT. ASBESTECH ACCEPTS TECHNICAL RESPONSIBILITY FOR THIS REPORT AND DATE OF ISSUE.

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6825 Fair Oaks Blvd., Suite 103
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Tel.(916) 481-8902 Fax (916) 481-3975

Client:

Entek Consulting Group, Inc.
4200 Rocklin Rd., Suite 7
Rocklin, CA 95677

Job:

14-3364 UC Davis Medical Center
Hospital Seismic Upgrade-UT 1st Floor Remodel
University Tower 1st Floor Project, Sacramento, Ca

BULK ASBESTOS ANALYSIS REPORT

LAB JOB # 63121-3

Date/Time Collected: 6/24-25/16

Date Received: 6/27/16

NVLAP Lab Code 101442-0

CDPH # 1153

Date Analyzed: 6/27/16

<i>Sample No.</i>	<i>Color/Description</i>	<i>% Type Asbestos</i>	<i>Other Materials</i>
ECG-14-3364-11B	Brown base cove mastic, corridor 1680 at base of wall by column	NONE DETECTED	Synthetics
	White wallpaper	NONE DETECTED	Vinyl Cellulose
	Yellow adhesive	NONE DETECTED	Synthetics
12A	Red brick at floor, NW quadrant of lobby	NONE DETECTED	Granular Mins.
13A	Gray mortar on red brick at floor, NW quadrant of lobby	NONE DETECTED	Granular Mins.
14A	Gray stucco, exterior of south entrance on east side	NONE DETECTED	Granular Mins.
	White stucco	NONE DETECTED	Granular Mins.
14B	Gray stucco, exterior of south entrance at west side	NONE DETECTED	Granular Mins.
	White stucco	NONE DETECTED	Granular Mins.
14C	Gray stucco, exterior of south entrance at west side	NONE DETECTED	Granular Mins.
	White stucco	NONE DETECTED	Granular Mins.

THE ANALYSIS USES POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING FOLLOWING E.P.A. METHOD 600/R-93/116. NON-FRIABLE MATERIALS WERE ANALYZED APPLYING THE SAME METHOD. THE LOWER DETECTION LIMIT IS <1 % WITH THE PROVISO THAT PLM MAY NOT DETECT FIBERS <0.25 MICRONS IN DIAMETER THAT MAY BE PRESENT IN SAMPLES SUCH AS FLOOR TILES. IN ACCORDANCE WITH TITLE 22, CCR, SECTION 66261.24(a)(2)(A), THE MCL IS 1%. SAMPLES WERE NOT COLLECTED BY ASBESTECH. THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL WITHOUT THE APPROVAL OF ASBESTECH. THIS REPORT RELATES ONLY TO THE ITEMS TESTED. THIS REPORT MUST NOT BE USED TO CLAIM PRODUCT ENDORSEMENT BY N.V.L.A.P. OR ANY AGENCY OF THE U.S. GOVERNMENT. ASBESTECH ACCEPTS TECHNICAL RESPONSIBILITY FOR THIS REPORT AND DATE OF ISSUE.

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6825 Fair Oaks Blvd., Suite 103
Carmichael, California 95608
Tel.(916) 481-8902 Fax (916) 481-3975

Client:

Entek Consulting Group, Inc.
4200 Rocklin Rd., Suite 7
Rocklin, CA 95677

Job:

14-3364 UC Davis Medical Center
Hospital Seismic Upgrade-UT 1st Floor Remodel
University Tower 1st Floor Project, Sacramento, Ca

BULK ASBESTOS ANALYSIS REPORT

LAB JOB # 63121-4

Date/Time Collected: 6/24-25/16

Date Received: 6/27/16

NVLAP Lab Code 101442-0

CDPH # 1153

Date Analyzed: 6/27/16

<i>Sample No.</i>	<i>Color/Description</i>	<i>% Type Asbestos</i>	<i>Other Materials</i>
ECG-14-3364-15A	Gray mortar/ grout from ceramic wall tile in men's restroom by coffee kiosk	NONE DETECTED	Granular Mins.
16A	Gray mortar on clay floor tiles at coffee kiosk	NONE DETECTED	Granular Mins.
17A	Yellow carpet adhesive, NE corner of lobby	NONE DETECTED	Synthetics
	White floor filler	NONE DETECTED	Calcite
18A	Gray/ white 2X2 acoustic ceiling panel, conference room 1655	NONE DETECTED	Cellulose Fibrous Glass
19A	Gray/ white 2X2 acoustic ceiling panel, waiting room 1670	NONE DETECTED	Cellulose Fibrous Glass
20A	Gray grout on ceramic floor & ceramic base cove in men's restroom near coffee kiosk	NONE DETECTED	Granular Mins.

THE ANALYSIS USES POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING FOLLOWING E.P.A. METHOD 600/R-93/116. NON-FRIABLE MATERIALS WERE ANALYZED APPLYING THE SAME METHOD. THE LOWER DETECTION LIMIT IS <1 % WITH THE PROVISIO THAT PLM MAY NOT DETECT FIBERS <0.25 MICRONS IN DIAMETER THAT MAY BE PRESENT IN SAMPLES SUCH AS FLOOR TILES. IN ACCORDANCE WITH TITLE 22, CCR, SECTION 66261.24(a)(2)(A), THE MCL IS 1%. SAMPLES WERE NOT COLLECTED BY ASBESTECH. THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL WITHOUT THE APPROVAL OF ASBESTECH. THIS REPORT RELATES ONLY TO THE ITEMS TESTED. THIS REPORT MUST NOT BE USED TO CLAIM PRODUCT ENDORSEMENT BY N.V.L.A.P. OR ANY AGENCY OF THE U.S. GOVERNMENT. ASBESTECH ACCEPTS TECHNICAL RESPONSIBILITY FOR THIS REPORT AND DATE OF ISSUE.



63121

BULK ASBESTOS MATERIAL *Analysis Request***ENTEK CONSULTING GROUP, INC.**

4200 ROCKLIN ROAD, SUITE 7
 ROCKLIN, CA 95677
 (916) 632-6800 PHONE
 (916) 632-6812 FAX
mainoffice@entekgroup.com; rbeall@entekgroup.com

Date of Sampling: June 24-25, 2016**Lab:** Asbestech**Job Number:** 14-3364**Turnaround Time:** Day: Monday
Date: 6/27/16 Time: 5:00 PM**Client Name:** UC Davis Medical Center
Hospital Seismic Upgrade - UT 1st
Floor Remodel**Collected by:** Rick Beall**Address:** University Tower - 1st Floor Project
4800 2nd Avenue
Sacramento, CA**ANALYSIS REQUESTED:** Asbestos by PLM
with Dispersion Staining**Special Instruction:** *Stop Analysis upon first positive result (>1%) for sample in a series. Also stop analysis upon first positive result (>1%) in the joint compound for sample series.**Please e-mail results as soon as available and include copy of submittal with those results.*

SAMPLE #	MATERIAL DESCRIPTION/LOCATION
ECG-14-3364-01A	Carpet Adhesive (yellow); Room 1697 at door entrance
ECG-14-3364-02A	12" Vinyl Floor Tiles dark orange mottled with yellow mastic; Room 1697 at door entry
ECG-14-3364-03A	12" Vinyl Floor Tiles white mottled with yellow mastic and white floor filler; Room 1697 at door entry
ECG-14-3364-04A	12" Vinyl Floor Tile cream mottled and black mastic; Waiting Room 1670 at NW corner of offset in north wall
ECG-14-3364-05A	12" Vinyl Floor Tiles dark brown mottled with yellow mastic; Room 1676 at door entry of Toilet Room
ECG-14-3364-06A	Sheet Vinyl Linoleum at cove base, yellow with yellow adhesive and drywall paper attached; Supply Room 1693
ECG-14-3364-07A	Sheet Vinyl Linoleum, cream with yellow adhesive; Storage Room 1689

Delivered by:

Date:

6/26/16

Time:

10:15 AM (PM)

Received by:

Date:

6/27/16

Time:

8:30 AM/PM



63121

BULK ASBESTOS MATERIAL *Analysis Request*
ENTEK CONSULTING GROUP, INC.

4200 ROCKLIN ROAD, SUITE 7
 ROCKLIN, CA 95677
 (916) 632-6800 PHONE
 (916) 632-6812 FAX
 mainoffice@entekgroup.com; rbeall@entekgroup.com

Date of Sampling: June 24-25, 2016

Lab: Asbestech

Job Number: 14-3364

Turnaround Time: Day: Monday
 Date: 6 / 27 / 16 Time: 5:00 PM

Client Name: UC Davis Medical Center
 Hospital Seismic Upgrade - UT 1st
 Floor Remodel

Collected by: Rick Beall

Address: University Tower - 1st Floor Project
 4800 2nd Avenue
 Sacramento, CA

ANALYSIS REQUESTED: Asbestos by PLM
 with Dispersion Staining

Special Instruction: Stop Analysis upon first positive result (>1%) for sample in a series. Also stop analysis upon first positive result (>1%) in the joint compound for sample series.

Please e-mail results as soon as available and include copy of submittal with those results.

SAMPLE #	MATERIAL DESCRIPTION/LOCATION
ECG-14-3364-08A	Concrete from floor, Room 1689 Storage Room
ECG-14-3364-09A	Red Brick, wall at NW quadrant of Lobby
ECG-14-3364-10A	Mortar associated with red brick wall, NW quadrant of Lobby
ECG-14-3364-11A	Base Cove Mastic, brown, Waiting Room 1670 at base of column
ECG-14-3364-11B	Base Cove Mastic, brown with wall paper and adhesive, Corridor 1680 at base of wall by column
ECG-14-3364-12A	Red Brick at floor, NW quadrant of Lobby
ECG-14-3364-13A	Mortar associated with red brick at floor, NW quadrant of Lobby
ECG-14-3364-14A	Stucco, exterior of south entrance on east side
ECG-14-3364-14B	Stucco, exterior of south entrance at west side

Delivered by:
Date:

6/26/16

Time:

10:15 AM (PM)

Received by:
Date:

6/27/16

Time:

8:30

AM/PM



63121

BULK ASBESTOS MATERIAL *Analysis Request*
ENTEK CONSULTING GROUP, INC.

4200 ROCKLIN ROAD, SUITE 7
 ROCKLIN, CA 95677
 (916) 632-6800 PHONE
 (916) 632-6812 FAX
 mainoffice@entekgroup.com; rbeall@entekgroup.com

Date of Sampling: June 24-25, 2016

Lab: Asbestech

Job Number: 14-3364

Turnaround Time: Day: Monday
 Date: 6 / 27 / 16 Time: 5:00 PM

Client Name: UC Davis Medical Center
 Hospital Seismic Upgrade - UT 1st
 Floor Remodel

Collected by: Rick Beall

Address: University Tower - 1st Floor Project
 4800 2nd Avenue
 Sacramento, CA

ANALYSIS REQUESTED: Asbestos by PLM
 with Dispersion Staining

Special Instruction: Stop Analysis upon first positive result (>1%) for sample in a series. Also stop analysis upon first positive result (>1%) in the joint compound for sample series.

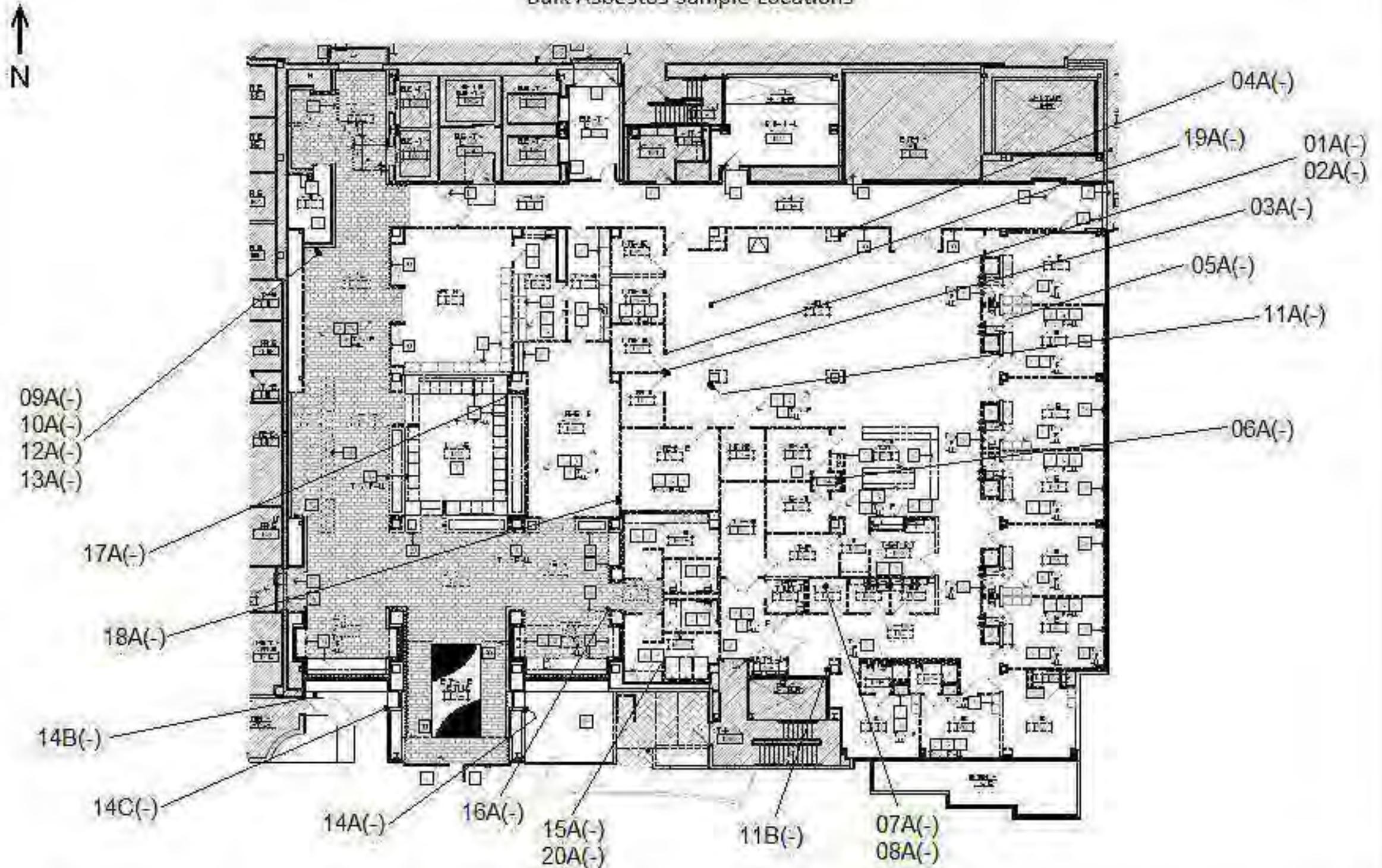
Please e-mail results as soon as available and include copy of submittal with those results.

SAMPLE #	MATERIAL DESCRIPTION/LOCATION
ECG-14-3364-14C	Stucco, exterior of south entrance at west side
ECG-14-3364-15A	Mortar/Grout from ceramic wall tile in Men's Restroom by Coffee Kiosk
ECG-14-3364-16A	Mortar associated with clay floor tiles at Coffee Kiosk
ECG-14-3364-17A	Carpet Adhesive (yellow) with white floor filler, NE corner of Lobby
ECG-14-3364-18A	2 x 2 Acoustical Ceiling Panel, Conference Room 1655
ECG-14-3364-19A	2 x 2 Acoustical Ceiling Panel, Waiting Room 1670
ECG-14-3364-20A	Grout (gray) associated with ceramic floor and ceramic base cove in Men's Restroom near Coffee Kiosk

Z:\Clients\UCDMC\14-3364 UT 1 Remodel - Asb & Pb Specs\Asbestos\Bulk Request Asb 6-25-16.wpd

Delivered by:
Date:
6/26/16
Time:
10:15 AM/PM
Received by:
Date:
6/27/16
Time:
8:30 AM/PM

Bulk Asbestos Sample Locations



UCDMC
Hospital Seismic Upgrade - UT 1st Floor Remodel
4800 2nd Avenue, Suite 3010
Sacramento, CA 95817

Entek Consulting Group, Inc.
4200 Rocklin Road, Suite 7
Rocklin, CA 95877
Map Not to Scale

Asbestos Bulk Sample Locations
Collected by Rick Beall
on June 25, 2016
Project Number 14-3364



Asbestos Survey Form

(See Instructions)

777 12th Street, 3rd Floor
 Sacramento, CA 95814
 Office (916) 874-4800
 Fax (916) 874-4899
 Email:
asbestos@airquality.org

1. Purpose of Survey		<input checked="" type="checkbox"/> Renovation		<input type="checkbox"/> Demolition		
2. Facility Information						
Project Area(s) Description Hospital Seismic Upgrade - University Tower 1 st Floor Remodel						
Address 2315 Stockton Blvd		City Sacramento		# of Structures 1		
3. Owner Information						
Name UCDCM - University Tower						
Address 2315 Stockton Blvd		City/State Sacramento		Zip 95817		
Contact	Phone	Fax	Email			
Ken Pickett	916-734-4436	-	ken.pickett@ucdmc.ucdavis.edu			
4. Consultant Information		Survey Date(s): June 24-25, 2016				
Company Name Entek Consulting Group, Inc.						
Name Rick Beall				DOSH # 92-0032		
Address 4200 Rocklin Road, Suite 7		City/State Rocklin, California		Zip 95677		
Phone (916) 632-6800	Fax (916) 632-6812	Email rbeall@entekgroup.com	Signature 			
5. Client Information (If different than owner)		<input type="checkbox"/> General Contractor		<input type="checkbox"/> Insurance Company		
<input type="checkbox"/> Architect		<input type="checkbox"/> Property Manager		<input type="checkbox"/> Other _____		
Name						
Address		City/State		Zip 95678		
Contact	Phone	Fax	Email			
6. Have all of the suspect materials that will be disturbed been sampled?					<input checked="" type="checkbox"/> Yes	
					<input type="checkbox"/> No	
If no, explain why:						
7. Summary of Total Asbestos Containing Material (ACM) Findings						
Regulated Asbestos Containing Material (RACM) (Includes materials subject to known mechanical removal and fire damaged materials)			Category II		Category I	
Square Ft.	Linear Ft.	Cubic Ft.	Square Ft.	Linear Ft.	Square Ft.	Linear Ft.
0	0	0	15,000	0	0	0
To receive future SMAQMD Rule updates and changes affecting your industry (check one box):						
<input type="checkbox"/> Please send e-mail notices to			<input type="checkbox"/> I will sign up myself at www.airquality.org/listserve/ to receive emailed notices.			
<input checked="" type="checkbox"/> I am already subscribed.		<input type="checkbox"/> I want the District to mail notices to the address on this application:		<input type="checkbox"/> Owner		<input type="checkbox"/> Consultant



Asbestos Renovation/Demolition Notification Form

777 12th Street, 3rd Floor
Sacramento, CA 95814
Office (916) 874-4800
Fax (916) 874-4899
Asbestos@airquality.org

1	<input checked="" type="checkbox"/> Renovation (Do Not Complete items 5 or 6) <input type="checkbox"/> Demolition (Complete all sections)		<input type="checkbox"/> Order Demolition (Complete all sections) <input type="checkbox"/> Emergency Demolition (Complete all sections)		
----------	--	--	--	--	--

2	Contractor	Owner UCDCM
	Address	Address 4200 2 nd Avenue
	City State/ Zip	City State/ Zip Sacramento, CA 95817
	Email	Email ken.pickett@ucdmc.ucdavis.edu
	Telephone	Telephone 916-734-4436

3	Structure Name- Hospital Seismic University Tower - 1 st Floor Remodel	Renovation Area - Hospital Seismic Upgrade - UT 1 st Floor Remodel	# of Floors
	Address - 2315 Stockton Blvd.	City/ Zip - Sacramento, 95817	Year Built

4	Preference for return of form	<input type="checkbox"/> E-mail (see instructions) _____	US Mail:	<input type="checkbox"/> Pick up (after two working days)
			<input type="checkbox"/> Contractor <input type="checkbox"/> Owner	

SECTIONS 5 & 6 - DEMOLITIONS ONLY - NOTE: Start date must be at least 10 working days from the day of your postmark or hand delivery of this for to SMAQMD

5	Start Date: _____ / _____ / _____	Completion Date: _____ / _____ / _____	Emergency Demo #

6	Revision # 1 2 3 4 5 6 7 8 9 (circle)	
	Old Start Date _____ / _____ / _____	New Start Date _____ / _____ / _____
	Old Completion Date _____ / _____ / _____	New Completion Date _____ / _____ / _____
	Method of Demo:	
Procedure to be followed if RACM is found or Category II material becomes friable:		

SECTION 7 - Attach completed Asbestos Survey Form and Consultant's report or have DOSH Consultant complete section 7

7	Company Name: Entek Consulting Group, Inc.	Telephone: 916-632-6800		
	Surveyor's Name Rick Beall	DOSH # 92-0032		
	Analytical Procedure: PLM by Dispersion Staining	Survey Date: June 24 - 25, 2016		
	Amount of RACM	Square Feet - 0	Linear Feet - 0	Cubic Feet - 0
	Amount of Category I - 0	Amount of Category II - 15,000		
	Project Address: 2315 Stockton Blvd.	City Sacramento	Zip 95817	
	Suspect Materials Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Consultant's Signature		

I have read and understand the directions. The information on this form is true and accurate.

8	I certify that the asbestos survey conducted on _____ (date) represents the facility as built. _____ (initial)		
	Application Name (Print)		Permit shall not be issued prior to:
	Phone Number	<input type="checkbox"/> Owner <input type="checkbox"/> Rep / Agent <input type="checkbox"/> Contractor	
	Applicant's Signature	Date	

SMAQMD USE ONLY:

Project # _____ Received Date/ Postmark _____ Date Form Returned _____ Initial _____

Check # _____ Receipt # _____ Amount Paid _____ Staff _____ Date Approved _____



APPENDIX B

LEAD RELATED DOCUMENTS

- Lead Assessment Using XRF Technology
- Lead Hazard Evaluation Report (CDPH 8552)

Lead Testing Data Sheet (OSHA)

UC Davis Medical Center

Entek Project #14-3364

Niton: XLP-300 Lead Analyzer

Date: June 25, 2016

Address: University Tower - First Floor
Hospital Seismic Upgrade - UT 1st Floor Remodel

XRF Serial No.: 24015

Source No.: TR0791

Room Equivalent: First Floor Project Area - Multiple offices, spaces, utility rooms, lobby, restrooms
Inspector(s): Rick Beall

Component	Substrate	Color	Test Locations	XRF Reading (mg/cm ²)
Wall	Drywall	White	Waiting Room at North Column	0.00
Wall	Drywall	White	Waiting Room at West Wall	0.05
Door Frame	Metal	White	Door 1698 at Waiting Room	0.05
Door	Laminate	Yellow	Door 1695 at Waiting Room	0.00
Ceiling Tile	Wood Based	White	Waiting Room	0.00
Wall Trim	Wood	Blue	Upper Wall of Room 1677	0.00
Floor Tile	Vinyl	Tan	Waiting Room by Room 1677	0.00
Cabinet	Laminate	Tan	Nurse Station in Waiting Room	0.00
Door Casing	Metal	White	Room 1679	0.15
Wall/ Wall Paper	Drywall	White	Corridor 1680 South Wall	0.10
Sheet Vinyl Floor	Vinyl	Cream	Storage Room 1689	0.0
2" x 4" Steel Beam	Metal	Red	Ceiling Support Steel Beam in Attic Room 1695	4.3
4" x 4" Steel Beam	Metal	Red	Ceiling Support Steel Beam in Attic Room 1695	1.5
Wall	Drywall	White	South Wall Corridor 1601A by Room 1670	0.00
Door	Metal	Brown	Door to 1670 at Corridor 1601A	0.00

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All XRF Readings ≥ 1.0 mg/cm² = Lead Based Paint (LBP)All XRF Readings < 1.0 mg/cm² = Lead Containing Coating (LCC)

Lead Testing Data Sheet (OSHA)

UC Davis Medical Center

Entek Project #14-3364

Niton: XLP-300 Lead Analyzer

Date: June 25, 2016

Address: University Tower - First Floor
Hospital Seismic Upgrade - UT 1st Floor Remodel

XRF Serial No.: 24015

Source No.: TR0791

Room Equivalent: First Floor Project Area - Multiple offices, spaces, utility rooms, lobby, restrooms Inspector(s): Rick Beall

Component	Substrate	Color	Test Locations	XRF Reading (mg/cm ²)
Brick Wall	Concrete	Red	North Wall Corridor 1650	0.00
Brick Floor	Concrete	Red	Corridor 1650	0.04
Brick Floor	Concrete	Dark Red/Brown	Corridor 1650	0.01
Wall	Drywall	White	Corridor 1650 West Wall	0.00
Wood Trim	Wood	Clear	Planter Area at South Window Display Corridor 1650	0.00
Wood Shelf	Wood	Clear	Planter Area at South Window Display Corridor 1650	0.00
Wall	Stucco	White	East Wall Main Lobby	0.00
Floor	Clay	Brown	Coffee Kiosk Floor	0.01
2" x 2" Wall Tile	Ceramic	Cream	West Wall Men's Restroom by Kiosk	0.01
2" x 2" Wall Tile	Ceramic	Brown	West Wall Men's Restroom by Kiosk	0.01
2" x 2" Wall Tile	Ceramic	Gray	West Wall Men's Restroom by Kiosk	0.01
8" Square Floor Tile	Ceramic	Brown	Floor Men's Restroom by Coffee Kiosk	0.0
Wall	Stucco	White	Main South Entry West Wall	0.00
Wall	Drywall	White	East Wall Conference Room	0.00
Door Frame	Metal	Gray	North Door of Conference Room	0.10

Z:\Clients\UCDMC\14-3364 UT 1 Remodel - Asb & Pb Specs\Lead\XRF Lead Test Data 6-25-16.wpd

All XRF Readings ≥ 1.0 mg/cm² = Lead Based Paint (LBP)All XRF Readings < 1.0 mg/cm² = Lead Containing Coating (LCC)

Calibration Check Test Results

UC Davis Medical Center

Site Name: University Tower; Hospital Seismic Upgrade - UT 1st Floor Remodel Date: June 25, 2016

Address: 4800 2nd Avenue

City: Sacramento, CA Cd-109

Device: Niton Xlp 300A Source Assay Date: 1-15-16

XRF Serial No. 24015 Source Number: TR0791

Contractor: Entek Consulting Group, Inc.

Inspector Name: Richard Beall

Inspector Signature: 

Calibration Check Tolerance Used <u>1.04 ±0.06</u>			
First Calibration Check <u>1402 hours</u>			
Red SRM (2573) 0.8 to 1.2 mg/cm ²			Do All Three Checks Meet the Standard?
First Reading	Second Reading	Third Reading	Yes
1.0	1.1	0.9	

Second Calibration Check <u>1445 hours</u>			
Red SRM (2573) 0.8 to 1.2 mg/cm ²			Do All Three Checks Meet the Standard?
First Reading	Second Reading	Third Reading	Yes
1.0	1.0	1.2	

Third Calibration Check <u>N/A</u>			
Red SRM (2573) 0.8 to 1.2 mg/cm ²			Do All Three Checks Meet the Standard?
First Reading	Second Reading	Third Reading	N/A
N/A	N/A	N/A	

Fourth Calibration Check <u>N/A</u>			
Red SRM (2573) 0.8 to 1.2 mg/cm ²			Do All Three Checks Meet the Standard?
First Reading	Second Reading	Third Reading	N/A
N/A	N/A	N/A	

* If the Calibration Check from the red SRM film value is greater or less than the specified Calibration Check Tolerance for this device, consult the manufacturer's recommendations to bring the instrument back into control. Retest all testing combinations tested since the last successful Calibration Check test.

LEAD HAZARD EVALUATION REPORT

Section 1 – Date of Lead Hazard Evaluation 6/24/16 & 6/25/16

Section 2 – Type of Lead Hazard Evaluation (Check one box only)

Lead Inspection Risk Assessment Clearance Inspection Other (specify) See Attached Letter dated April 21, 2015

Section 3—Structure Where Lead Hazard Evaluation Was Conducted

Address [number, street, apartment (if applicable)] 2315 Stockton Blvd		City Sacramento	County Sacramento	Zip Code 95817
Construction date (year) of structure	Type of structure <input type="checkbox"/> Multi-unit building <input type="checkbox"/> School or daycare <input type="checkbox"/> Single family dwelling <input checked="" type="checkbox"/> Other (specify) <u>Hospital</u>	Children living in structure? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Don't Know		

Section 4—Owner of Structure (If business/agency, list contact person)

Name UCDMC - University Tower		Telephone Number (916) 734-4436		
Address [number, street, apartment (if applicable)] 4800 2nd Avenue, Suite 3010		City Sacramento	State California	Zip Code 95817

Section 5—Results of Lead Hazard Evaluation (Check all that apply)

No lead-based paint detected Intact lead-based paint detected. Deteriorated lead-based paint detected
 No lead hazards detected Lead-contaminated dust found Lead contaminated soil found Other _____

Section 6—Individual Conducting Lead Hazard Evaluation

Name Entek Consulting Group, Inc. - Rick Beall		Telephone Number (916) 632-6800		
Address [number, street, apartment (if applicable)] 4200 Rocklin Road, Suite 7		City Rocklin	State CA	Zip Code 95677
CDPH certification number 769	Signature 			Date 6/29/16

Name and CDPH certification number of any other individuals conducting sampling or testing (if applicable)

N/A

Section 7—Attachments

- A. A foundation diagram or sketch of the structure indicating the specific locations of each lead hazard or presence of lead-based paint;
- B. Each testing method, device, and sampling procedure used;
- C. All data collected, including quality control data, laboratory results, indicating 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



ENTEK CONSULTING GROUP, INC.

4200 Rocklin Road, Suite 7, Rocklin, CA 95677 Telephone (916) 632-6800 Fax (916) 632-6812 www.entekgroup.com

April 21, 2015

State of California
Health and Human Services Agency
California Department of Public Health
Childhood Lead Poisoning Prevention Branch Reports
850 Marina Parkway, Building P, Third Floor
Richmond, CA 94804-6403

RE: Lead Hazard Evaluation Report (CDPH 8552 - 6/07)

To Whom it May Concern:

In a memorandum issued to all "California Department of Health Services Certified Inspector/Assessors and Project Monitors", by the State of California - Health and Human Services Agency, Department of Health Services (CDPH), dated June 5, 2006, and signed by Mr. Paul Fitzmaurice, Chief, Lead Hazard Reduction Section, Childhood Lead Poisoning Prevention Branch, it was made clear that "... the on-site investigation, for compensation, of lead-based paint or lead hazards..." includes "... conducting testing and/or sampling activities as part of a non-'abatement' project (e.g. painting remodeling, etc.)."

As a result of this directive, Entek Consulting Group, Inc. (Entek) is providing you with the current CDPH Form 8552 (06/07) documenting an inspection/assessment performed by Entek.

The investigation results being reported on the attached CDPH Form 8552 do not reflect a "Lead Inspection/Assessment" as defined in Title 17. As a result the "Other" box, in "Section 2 - Type of Lead Hazard Evaluation", is checked. This is being done to make it clear this investigation does not meet the definition of a "Lead Inspection/Assessment", and submission of the attached CDPH Form 8552 is not meant to reflect that it does.

CDPH Form 8552, Section 5 - Results of Lead Hazard Evaluation, does not allow for an appropriate option pertaining to the results of the investigation/assessment performed and being reported (i.e. for the purpose of compliance with Cal/OSHA, Title 8 1532.1 Lead), or an assessment being performed in an unregulated structure. While one of or more of the four boxes is checked to reflect the results of the inspection/assessment. The lead inspection/assessment was not required under Title 17.

This letter is not intended to disagree whether a CDPH Form 8552 must be submitted, but is for clarification as to the information included on the CDPH Form 8552, and its intended purpose, namely to reflect the goal of the services performed by Entek.

Sincerely,

Richard A. Beall, CIH, CSP
President

Z:\Lead\Lead Hazard Evaluation Report CDPH 8552 Ltr 4-21-15.wpd



APPENDIX C

BACK UP DOCUMENTATION

- Inspector Accreditations and Certifications
- Laboratory Accreditations for Asbestos and Lead Analysis

Oaks Blvd., Suite 103

Carmichael, CA 95608

Mr. Tommy Conlon

Phone: 916-481-8902 Fax: 916-481-3975

E-Mail: asbestech@sbcglobal.net

URL: <http://www.asbestechlab.com>

BULK ASBESTOS FIBER ANALYSIS (PLM)

NVLAP LAB CODE 101442-0

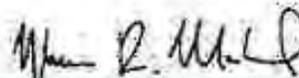
NVLAP Code Designation / Description

18/A01 EPA 600/M4-82-020: Interim Method for 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

2015-07-01 through 2016-06-30

Effective dates



For the National Institute of Standards and Technology

United States Department of Commerce
National Institute of Standards and Technology



Certificate of Accreditation to ISO/IEC 17025:2005

NVLAP LAB CODE: 101442-0

ASBESTECH
Carmichael, CA

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

BULK ASBESTOS FIBER ANALYSIS

*This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005.
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality
management system (refer to joint ISO-ILAC-IAF Communiqué dated January 2009).*

2015-07-01 through 2016-06-30

Effective dates



A handwritten signature in black ink, appearing to read "James R. Mullen".

For the National Institute of Standards and Technology



STATE WATER RESOURCES CONTROL BOARD
REGIONAL WATER QUALITY CONTROL BOARDS

CALIFORNIA STATE



ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

CERTIFICATE OF ENVIRONMENTAL ACCREDITATION

Is hereby granted to

Asbestech

6825 Fair Oaks Boulevard, Suite 103
Carmichael, CA 95608

Scope of the certificate is limited to the
"Fields of Testing"
which accompany this Certificate.

Continued accredited status depends on successful completion of on-site inspection,
proficiency testing studies, and payment of applicable fees.

This Certificate is granted in accordance with provisions of
Section 100825, et seq. of the Health and Safety Code.

Certificate No.: **1153**

Expiration Date: **3/31/2018**

Effective Date: **4/1/2016**

A handwritten signature in cursive script, appearing to read "Christine Sotelo".

Sacramento, California
subject to forfeiture or revocation

Christine Sotelo, Chief
Environmental Laboratory Accreditation Program



CALIFORNIA STATE ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM Accredited Fields of Testing



Asbestech

6825 Fair Oaks Boulevard, Suite 103 Carmichael, CA 95608 Phone: (916) 481-8902

Certificate No. 1153 Expiration Date 3/31/2018

Field of Testing: 114 - Inorganic Chemistry of Hazardous Waste

114.130 001 Lead EPA 7420

Field of Testing: 115 - Extraction Test of Hazardous Waste

115.021 001 TCLP Inorganics EPA 1311

115.030 001 Waste Extraction Test (WET) CCR Chapter 11, Article 5, Appendix II

Field of Testing: 121 - Bulk Asbestos Analysis of Hazardous Waste

121.010 001 Bulk Asbestos EPA 600/M4-82-020

Environmental Lead Proficiency Analytical Testing Results

This document contains three sub-reports relating to ELPAT Round 94. The first report contains your organization's results listed per contaminant, per sample. The second report contains your past proficiency data for 2 and 4 rounds respectively (where applicable), and the final report contains summary results for all participants for ELPAT Round 94.

Testing Results for ELPAT Round 94

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

Contaminant	Units	#	Result	Reference Value	Lower Limit	Upper Limit	z-Score	Rating
Paint Chips	%	1	0.1510	0.1527	0.1222	0.1833	-0.2	A
	%	2	1.3100	1.3513	1.1483	1.5543	-0.6	A
	%	3	3.2300	3.6693	2.9698	4.3688	-1.9	A
	%	4	0.0373	0.0364	0.0264	0.0464	0.3	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 are used to predict trends and to indicate how far a particular score is away from the mean.

A - Acceptable* Analysis; U - Unacceptable Analysis

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. This is why a reported result may appear unacceptable according to z-Score, but be identified as acceptable.

Any non-participation or non-reporting of PAT data will result in unacceptable results (see PAT Programs Participation Policies, Section 2.1.6.2.).

Overall Performance Summary Concluding with 94

The following table contains overall proficiency results for 2 and 4 rounds respectively (where applicable). For more information in regard to the determination of proficiency, please visit www.aihapat.org.

Sample	Round	Round Performance	2 Rounds	2 Round %	4 Rounds	4 Round %	Proficiency Status
Paint	91	4/4					
	92	4/4					
	93	4/4					
	94	4/4	8/8	100	16/16	100	P

Interpretation Note:

The denominators represent the total number of samples analyzed.

The numerators represent the number of acceptable results.

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

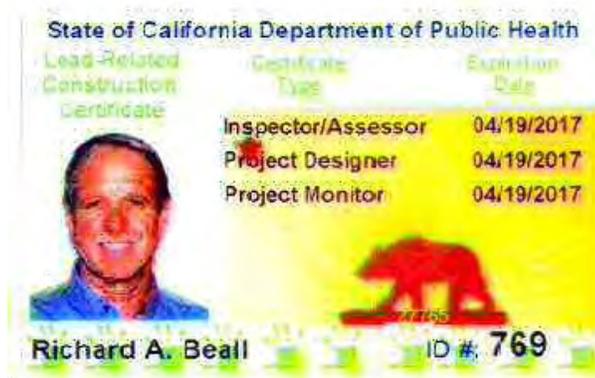
A participant is rated proficient for the applicable ELPAT matrix if the participant's performance meets any of the following: (1) In the last two rounds, all samples are analyzed and the results are 100% acceptable; or (2) Three fourths (75%) or more of the accumulated results over four rounds are acceptable. A participant is rated non-proficient for the applicable matrix if the participant's performance does not meet either of the proficiency categories mentioned above.

The following items are available in the [Environmental Lead Scheme Plan](#).

Procedures used to statistically analyze the data; establish any assigned value and standard deviation for proficiency assessment; or other criteria for evaluation; details of the metrological traceability and measurement uncertainty of any assigned value; information about design and implementation of PT scheme. Environmental Lead Scheme Plan available at <http://www.aihapat.org/documents-policies-fees/Pages/default.aspx>.

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

Technical Comment: No remarkable observations.

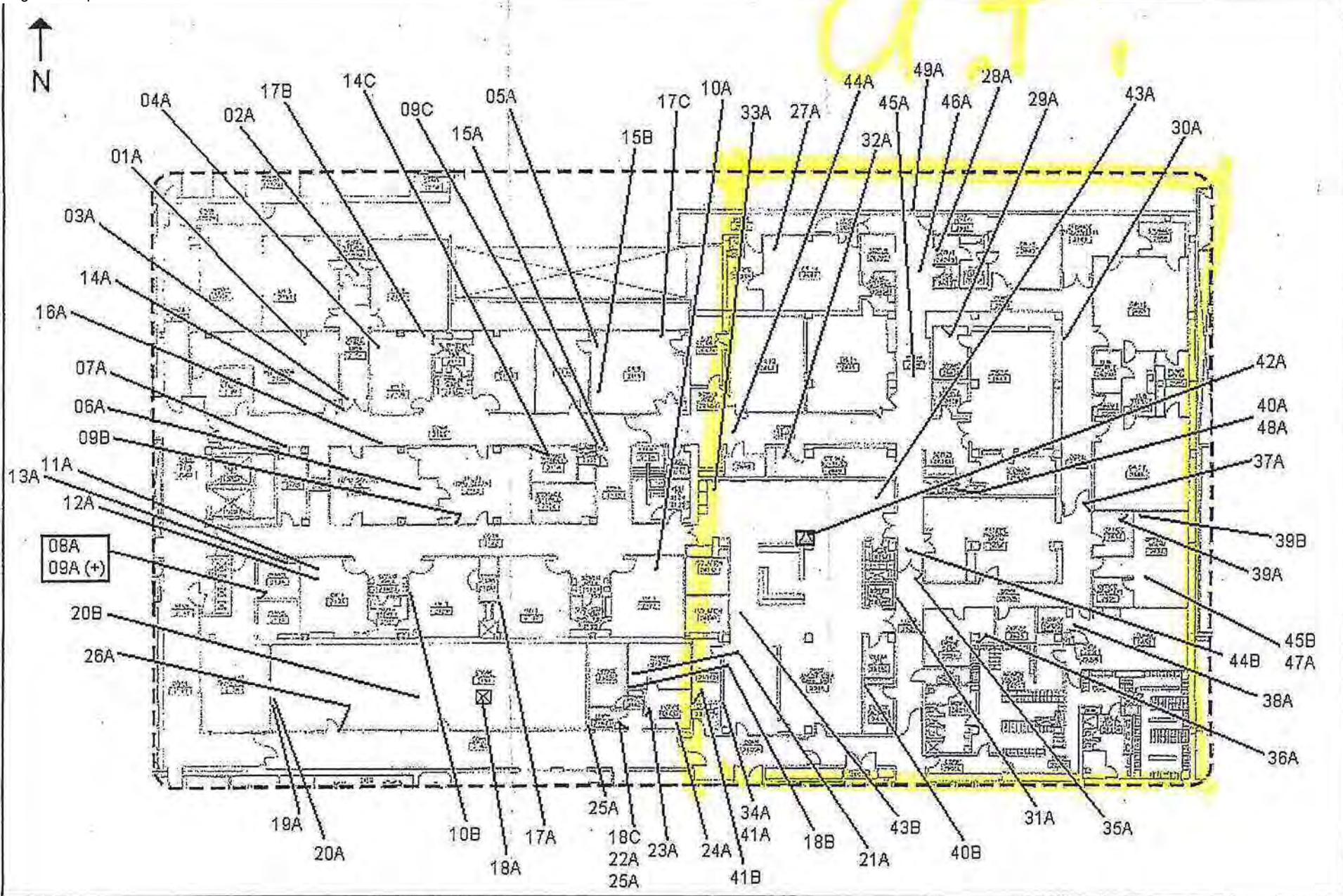




APPENDIX D

HISTORICAL SURVEY DOCUMENTATION

- Survey Reports
- Asbestos Analysis Reports From Asbestech



UC Davis Medical Center
 Second Floor Surgery Remodel
 East Wing & University Tower
 Sacramento, CA 95817

Entek Consulting Group, Inc.
 4200 Rocklin Road, Suite 7
 Rocklin, California 95677
 Map Not to Scale

Asbestos Bulk Sample Locations
 Collected by Rick Beall & Blakes Howes
 on October 28, 2010
 Project Number 10-1768


BULK ASBESTOS MATERIAL *Analysis Report Form for Entek Consulting Group, Inc.*

4200 ROCKLIN ROAD, STE. 7
 ROCKLIN, CA 95677
 (916) 632-6800
 FAX (916) 632-6812

Date of Sampling: 10-28-10

Lab: Asbestech

Job Number: 10-1768

Turnaround Time: Monday, November 1 by 1700 Hrs.

Client Name: UC Davis Medical Center

Collected by: Rick Beall & Blake Howes

Site Address: University Tower 2nd Floor
 2315 Stockton Blvd.
 Sacramento, CA 95817

ANALYSIS REQUESTED: Asbestos by PLM with
 Dispersion Staining

SAMPLE #	RESULTS	MATERIAL DESCRIPTION/LOCATION
ECG-10-1768-27A	NONE DETECTED	Tan Striated Resilient Sheet Vinyl with Yellow Mastic - Room 2698 OR #14
ECG-10-1768-28A	NONE DETECTED	White Mottled Resilient Sheet Vinyl - Room 2626B
ECG-10-1768-29A	NONE DETECTED	White Granulated Resilient Sheet Vinyl with Yellow Mastic - Room 2643A
ECG-10-1768-30A	NONE DETECTED	Yellow Base Cove Mastic - Corridor 2627
ECG-10-1768-31A	NONE DETECTED	Yellow Base Cove Mastic - Corridor 2620
ECG-10-1768-32A	NONE DETECTED	Light Pink Resilient Sheet Vinyl with Yellow Mastic - Room 2648
ECG-10-1768-33A	NONE DETECTED	Yellow Resilient Sheet Vinyl with Yellow Mastic - Room 2614 at Northwest Corner
ECG-10-1768-34A	NONE DETECTED	White Resilient Sheet Vinyl with Yellow Mastic - Room 2614 at Southwest Corner
ECG-10-1768-35A	NONE DETECTED	12" Beige VFT with Yellow Mastic - Corridor 2620
ECG-10-1768-36A	NONE DETECTED	Blue Resilient Sheet Vinyl with Yellow Mastic - Room 2624
ECG-10-1768-37A	NONE DETECTED	12" Off-White VFT with Black Mastic - Corridor 2627 Near Room 2633
ECG-10-1768-38A	NONE DETECTED	White Multicolored Resilient Sheet Vinyl Over 12" VFT with Black Mastic - Room 2630B
ECG-10-1768-39A	NONE DETECTED	Drywall and Joint Compound - Room 2633 Office at Northeast Corner


BULK ASBESTOS MATERIAL *Analysis Report Form for Entek Consulting Group, Inc.*

4200 ROCKLIN ROAD, STE. 7
 ROCKLIN, CA 95677
 (916) 632-6800
 FAX (916) 632-6812

Date of Sampling: 10-28-10

Lab: Asbestech

Job Number: 10-1768

Turnaround Time: Monday, November 1 by 1700 Hrs.

Client Name: UC Davis Medical Center

Collected by: Rick Beall & Blake Howes

Site Address: University Tower 2nd Floor
 2315 Stockton Blvd.
 Sacramento, CA 95817

ANALYSIS REQUESTED: Asbestos by PLM with
 Dispersion Staining

SAMPLE #	RESULTS	MATERIAL DESCRIPTION/LOCATION
ECG-10-1768-39B	NONE DETECTED	Drywall and Joint Compound - Room 2632 Workroom at Northwest Corner
ECG-10-1768-40A	NONE DETECTED	Drywall and Joint Compound - Room 2639 Patient Storage at Southeast Corner
ECG-10-1768-40B	NONE DETECTED	Drywall and Joint Compound - Room 2615 Office at Northeast Corner
ECG-10-1768-41A	NONE DETECTED	Drywall with Joint Compound - Room 2614 at Southwest Corner Wall of South Side
ECG-10-1768-41B	NONE DETECTED	Drywall and Joint Compound - Room 2614D Office
ECG-10-1768-42A	NONE DETECTED	Fireproofing on Structural Steel - Room 2614 at Central Access Hatch
ECG-10-1768-43A	NONE DETECTED	12" Acoustical Ceiling Tile with Brown Mastic - Room 2614 at Northeast Corner
ECG-10-1768-43B	NONE DETECTED	12" Acoustical Ceiling Tile with Brown Mastic - Room 2614 at Southwest Corner
ECG-10-1768-44A	NONE DETECTED	2'x2' Acoustical Ceiling Tile on Spline System - Corridor 2640
ECG-10-1768-44B	NONE DETECTED	2'x2' Acoustical Ceiling Tile on Spline System - Corridor 2620
ECG-10-1768-45A	NONE DETECTED	2'x2' Drop-in Ceiling Panel with Vinyl Covering - Corridor 2626
ECG-10-1768-45B	NONE DETECTED	2'x2' Drop-in Ceiling Panel with Vinyl Covering - Room 2632
ECG-10-1768-46A	NONE DETECTED	Fireproofing - Corridor 2626 Near Room 2692


BULK ASBESTOS MATERIAL *Analysis Report Form for Entek Consulting Group, Inc.*

4200 ROCKLIN ROAD, STE. 7
 ROCKLIN, CA 95677
 (916) 632-6800
 FAX (916) 632-6812

Date of Sampling: 10-28-10

Lab: Asbestech

Job Number: 10-1768

Turnaround Time: Monday, November 1 by 1700 Hrs.

Client Name: UC Davis Medical Center

Collected by: Rick Beall & Blake Howes

Site Address: University Tower 2nd Floor
 2315 Stockton Blvd.
 Sacramento, CA 95817

ANALYSIS REQUESTED: Asbestos by PLM with
 Dispersion Staining

SAMPLE #	RESULTS	MATERIAL DESCRIPTION/LOCATION
ECG-10-1768-47A	NONE DETECTED	Fireproofing - Room 2632
ECG-10-1768-48A	NONE DETECTED	Brown Base Cove Mastic - Room 2639
ECG-10-1768-49A	NONE DETECTED	Exterior Stucco - Exterior of Building at the North Side Covered Window

Z:\Clients\UCDMC\10-1768 East Wing 2nd Floor OR Renovation\BulkSampleAsb\BulkRpt.102810 University Tower.wpd

ASBESTECH
6825 Fair Oaks Blvd., Suite 103
Carmichael, California 95608
Tel.(916) 481-8902 Fax (916) 481-3975

Client:

Entek Consulting Group, Inc.
4200 Rocklin Rd., Suite 7
Rocklin, CA 95677

Job:

10-1768 UC Davis Medical Center
University Tower 2nd Floor
Sacramento, Ca

BULK ASBESTOS ANALYSIS REPORT

LAB JOB # 55799-1
Date/Time Collected: 10/28/10
Date Received: 10/29/10

NVLAP # 101442
DOHS # 1153
Date Analyzed: 11/1/10

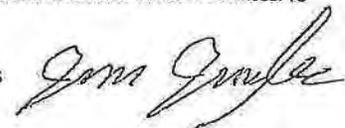
<i>Sample No.</i>	<i>Color/Description</i>	<i>% Type Asbestos</i>	<i>Other Materials</i>
ECG-10-1768- 27A	Tan striated resilient sheet vinyl, room 2698 OR #14	NONE DETECTED	Vinyl
	Yellow mastic	NONE DETECTED	Synthetics
28A	White mottled resilient sheet vinyl, room 2626B	NONE DETECTED	Vinyl
	Yellow mastic	NONE DETECTED	Synthetics
29A	White granulated resilient sheet vinyl, room 2643A	NONE DETECTED	Vinyl
	Yellow mastic	NONE DETECTED	Synthetics
30A	Yellow base cove mastic, corridor 2627	NONE DETECTED	Synthetics
	White joint compound	NONE DETECTED	Calcite
31A	Yellow base cove mastic, corridor 2620	NONE DETECTED	Calcite
32A	Light pink resilient sheet vinyl, room 2648	NONE DETECTED	Vinyl
	Yellow mastic	NONE DETECTED	Synthetics

THE ANALYSIS USES POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING FOLLOWING E.P.A. METHOD 600/R-93/116. NON-FRIABLE MATERIALS WERE ANALYZED APPLYING THE SAME METHOD. THE LOWER DETECTION LIMIT IS <1 % WITH THE PROVISIO THAT PLM MAY NOT DETECT FIBERS <0.25 MICRONS IN DIAMETER THAT MAY BE PRESENT IN SAMPLES SUCH AS FLOOR TILES. IN ACCORDANCE WITH TITLE 22, CCR, SECTION 66261.24(c)(2)(A), THE MCL IS 1%. SAMPLES WERE NOT COLLECTED BY ASBESTECH. THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL WITHOUT THE APPROVAL OF ASBESTECH. THIS REPORT RELATES ONLY TO THE ITEMS TESTED. THIS REPORT MUST NOT BE USED TO CLAIM PRODUCT ENDORSEMENT BY N.V.L.A.P. OR ANY AGENCY OF THE U.S. GOVERNMENT. ASBESTECH ACCEPTS TECHNICAL RESPONSIBILITY FOR THIS REPORT AND DATE OF ISSUE.

NVLAP

LABORATORY DIRECTOR: TOM CONLON

ANALYST: JIM JUNGLES



ASBESTECH
 6825 Fair Oaks Blvd., Suite 103
 Carmichael, California 95608
 Tel.(916) 481-8902 Fax (916) 481-3975

Client:
 Entek Consulting Group, Inc.
 4200 Rocklin Rd., Suite 7
 Rocklin, CA 95677

Job:
 10-1768 UC Davis Medical Center
 University Tower 2nd Floor
 Sacramento, Ca

BULK ASBESTOS ANALYSIS REPORT

LAB JOB # 55799-2
 Date/Time Collected: 10/28/10
 Date Received: 10/29/10

NVLAP # 101442
 DOHS # 1153
 Date Analyzed: 11/1/10

<u>Sample No.</u>	<u>Color/Description</u>	<u>% Type Asbestos</u>	<u>Other Materials</u>
ECG-10-1768-33A	Yellow resilient sheet vinyl; room 2614 at NW corner	NONE DETECTED	Vinyl
	Yellow mastic	NONE DETECTED	Synthetics
34A	White resilient sheet vinyl, room 2614 at SW corner	NONE DETECTED	Vinyl
	Yellow mastic	NONE DETECTED	Synthetics
35A	Beige 12" VFT, corridor 2620	NONE DETECTED	Calcite
	Yellow mastic	NONE DETECTED	Synthetics
36A	Blue resilient sheet vinyl, room 2624	NONE DETECTED	Vinyl
	Yellow mastic	NONE DETECTED	Synthetics
37A	Off-white 12" VFT, corridor 2627 near room 2633	NONE DETECTED	Calcite
	Black mastic	NONE DETECTED	Tar Binder
	White leveling compound	NONE DETECTED	Calcite

THE ANALYSIS USES POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING FOLLOWING E.P.A. METHOD 600/R-93/116. NON-FRIABLE MATERIALS WERE ANALYZED APPLYING THE SAME METHOD. THE LOWER DETECTION LIMIT IS <1 % WITH THE PROVISION THAT PLM MAY NOT DETECT FIBERS <0.25 MICRONS IN DIAMETER THAT MAY BE PRESENT IN SAMPLES SUCH AS FLOOR TILES. IN ACCORDANCE WITH TITLE 22, CCR, SECTION 66261.24(a)(2)(A), THE MCL IS 1 %. SAMPLES WERE NOT COLLECTED BY ASBESTECH. THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL WITHOUT THE APPROVAL OF ASBESTECH. THIS REPORT RELATES ONLY TO THE ITEMS TESTED. THIS REPORT MUST NOT BE USED TO CLAIM PRODUCT ENDORSEMENT BY N.V.L.A.P. OR ANY AGENCY OF THE U.S. GOVERNMENT. ASBESTECH ACCEPTS TECHNICAL RESPONSIBILITY FOR THIS REPORT AND DATE OF ISSUE.

NVLAP

LABORATORY DIRECTOR: TOM CONLON

ANALYST: JIM JUNGLES



ASBESTECH
6825 Fair Oaks Blvd., Suite 103
Carmichael, California 95608
Tel.(916) 481-8902 Fax (916) 481-3975

Client:
Entek Consulting Group, Inc.
4200 Rocklin Rd., Suite 7
Rocklin, CA 95677

Job:
10-1768 UC Davis Medical Center
University Tower 2nd Floor
Sacramento, Ca

BULK ASBESTOS ANALYSIS REPORT

LAB JOB # 55799-3
Date/Time Collected: 10/28/10
Date Received: 10/29/10

NVLAP # 101442
DOHS # 1153
Date Analyzed: 11/1/10

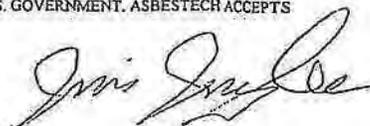
<u>Sample No.</u>	<u>Color/Description</u>	<u>% Type Asbestos</u>	<u>Other Materials</u>
ECG-10-1768-38A	White multicolored resilient sheet vinyl, room 2630B	NONE DETECTED	Vinyl Cellulose
	Yellow mastic	NONE DETECTED	Synthetics
	Beige 12" VFT	NONE DETECTED	Calcite
	Black mastic	NONE DETECTED	Tar Binder
39A	White drywall, room 2633 office at NE corner	NONE DETECTED	Gypsum Fibrous Glass
	White joint compound 1	NONE DETECTED	Calcite
	White joint compound 2	NONE DETECTED	Calcite
39B	White drywall, room 2632 workroom at NW corner	NONE DETECTED	Gypsum Fibrous Glass
	White joint compound 1	NONE DETECTED	Calcite
	White joint compound 2	NONE DETECTED	Calcite
40A	White drywall, room 2039 Patient Storage at SE corner	NONE DETECTED	Gypsum Fibrous Glass
	White joint compound 1	NONE DETECTED	Granular Mins.
	White joint compound 2	NONE DETECTED	Granular Mins.

THE ANALYSIS USES POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING FOLLOWING E.P.A. METHOD 600/R-93/116. NON-FRIABLE MATERIALS WERE ANALYZED APPLYING THE SAME METHOD. THE LOWER DETECTION LIMIT IS <1 % WITH THE PROVISION THAT PLM MAY NOT DETECT FIBERS <0.25 MICRONS IN DIAMETER THAT MAY BE PRESENT IN SAMPLES SUCH AS FLOOR TILES. IN ACCORDANCE WITH TITLE 22, CCR, SECTION 66261.24(a)(2)(A), THE MCL IS 1%. SAMPLES WERE NOT COLLECTED BY ASBESTECH. THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL WITHOUT THE APPROVAL OF ASBESTECH. THIS REPORT RELATES ONLY TO THE ITEMS TESTED. THIS REPORT MUST NOT BE USED TO CLAIM PRODUCT ENDORSEMENT BY N.V.L.A.P. OR ANY AGENCY OF THE U.S. GOVERNMENT. ASBESTECH ACCEPTS TECHNICAL RESPONSIBILITY FOR THIS REPORT AND DATE OF ISSUE.

NVLAP

LABORATORY DIRECTOR: TOM CONLON

ANALYST: JIM JUNGLES



ASBESTECH
 6825 Fair Oaks Blvd., Suite 103
 Carmichael, California 95608
 Tel.(916) 481-8902 Fax (916) 481-3975

Client:
 Entek Consulting Group, Inc.
 4200 Rocklin Rd., Suite 7
 Rocklin, CA 95677

Job:
 10-1768 UC Davis Medical Center
 University Tower 2nd Floor
 Sacramento, Ca

BULK ASBESTOS ANALYSIS REPORT

LAB JOB # 55799-4
 Date/Time Collected: 10/28/10
 Date Received: 10/29/10

NVLAP # 101442
 DOHS # 1153
 Date Analyzed: 11/1/10

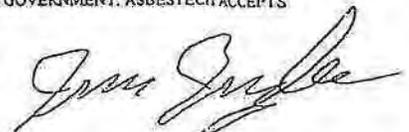
<u>Sample No.</u>	<u>Color/Description</u>	<u>% Type Asbestos</u>	<u>Other Materials</u>
ECG-10-1768-40B	White drywall, room 2615 office at NE corner	NONE DETECTED	Gypsum Fibrous Glass
	White joint compound 1	NONE DETECTED	Calcite
	White joint compound 2	NONE DETECTED	Calcite
41A	White drywall, room 2614 at SW corner wall of south side	NONE DETECTED	Gypsum Fibrous Glass
	White joint compound 1	NONE DETECTED	Calcite
	White joint compound 2	NONE DETECTED	Calcite
41B	White drywall, room 2614D office	NONE DETECTED	Gypsum Fibrous Glass
	White joint compound 1	NONE DETECTED	Calcite
	White joint compound 2	NONE DETECTED	Calcite
42A	Gray fireproofing on structural steel, room 2614 at central access hatch	NONE DETECTED	Gypsum Cellulose Mica
	White joint compound 1	NONE DETECTED	Calcite
	White joint compound 2	NONE DETECTED	Calcite

THE ANALYSIS USES POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING FOLLOWING E.P.A. METHOD 600/R-93/116. NON-FRIABLE MATERIALS WERE ANALYZED APPLYING THE SAME METHOD. THE LOWER DETECTION LIMIT IS <1 % WITH THE PROVISION THAT PLM MAY NOT DETECT FIBERS <0.25 MICRONS IN DIAMETER THAT MAY BE PRESENT IN SAMPLES SUCH AS FLOOR TILES. IN ACCORDANCE WITH TITLE 22, CCR, SECTION 66261.24(a)(2)(A), THE MCL IS 1 %. SAMPLES WERE NOT COLLECTED BY ASBESTECH. THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL WITHOUT THE APPROVAL OF ASBESTECH. THIS REPORT RELATES ONLY TO THE ITEMS TESTED. THIS REPORT MUST NOT BE USED TO CLAIM PRODUCT ENDORSEMENT BY N.V.L.A.P. OR ANY AGENCY OF THE U.S. GOVERNMENT. ASBESTECH ACCEPTS TECHNICAL RESPONSIBILITY FOR THIS REPORT AND DATE OF ISSUE.

NVLAP

LABORATORY DIRECTOR: TOM CONLON

ANALYST: JIM JUNGLES



ASBESTECH
6825 Fair Oaks Blvd., Suite 103
Carmichael, California 95608
Tel.(916) 481-8902 Fax (916) 481-3975

Client:

Entek Consulting Group, Inc.
4200 Rocklin Rd., Suite 7
Rocklin, CA 95677

Job:

10-1768 UC Davis Medical Center
University Tower 2nd Floor
Sacramento, Ca

BULK ASBESTOS ANALYSIS REPORT

LAB JOB # 55799-5
Date/Time Collected: 10/28/10
Date Received: 10/29/10

NVLAP # 101442
DOHS # 1153
Date Analyzed: 11/1/10

<u>Sample No.</u>	<u>Color/Description</u>	<u>% Type Asbestos</u>	<u>Other Materials</u>
ECG-10-1768-			
43A	Gray/ white 12" acoustic ceiling tile, room 2614 at NE corner	NONE DETECTED	Fibrous Glass Cellulose
43B	Gray/ white 12" acoustic ceiling tile, room 2614 at SW corner	NONE DETECTED	Fibrous Glass Cellulose
44A	Gray/ white 2'X2' acoustic ceiling tile on spline system, corridor 2640	NONE DETECTED	Fibrous Glass Cellulose
44B	Gray/ white 2'X2' acoustic ceiling tile on spline system, corridor 2620	NONE DETECTED	Fibrous Glass Cellulose
45A	Gray/ white 2'X2' drop-in ceiling panel with vinyl covering, corridor 2626	NONE DETECTED	Fibrous Glass Cellulose
	Yellow mastic	NONE DETECTED	Calcite
45B	Gray/ white 2'X2' drop-in ceiling panel with vinyl covering, room 2632	NONE DETECTED	Fibrous Glass Cellulose
	Yellow mastic	NONE DETECTED	Calcite
46A	Gray fireproofing, corridor 2626 near room 2692	NONE DETECTED	Fibrous Glass

THE ANALYSIS USES POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING FOLLOWING E.P.A. METHOD 600/R-93/116. NON-FRIABLE MATERIALS WERE ANALYZED APPLYING THE SAME METHOD. THE LOWER DETECTION LIMIT IS <1 % WITH THE PROVISION THAT PLM MAY NOT DETECT FIBERS <0.25 MICRONS IN DIAMETER THAT MAY BE PRESENT IN SAMPLES SUCH AS FLOOR TILES. IN ACCORDANCE WITH TITLE 22, CCR, SECTION 66261.24(a)(2)(A), THE MCL IS 1 %. SAMPLES WERE NOT COLLECTED BY ASBESTECH. THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL WITHOUT THE APPROVAL OF ASBESTECH. THIS REPORT RELATES ONLY TO THE ITEMS TESTED. THIS REPORT MUST NOT BE USED TO CLAIM PRODUCT ENDORSEMENT BY N.V.L.A.P. OR ANY AGENCY OF THE U.S. GOVERNMENT. ASBESTECH ACCEPTS TECHNICAL RESPONSIBILITY FOR THIS REPORT AND DATE OF ISSUE.

NVLAP

LABORATORY DIRECTOR: TOM CONLON

ANALYST: JIM JUNGLES



ASBESTECH

6825 Fair Oaks Blvd., Suite 103

Carmichael, California 95608

Tel.(916) 481-8902 Fax (916) 481-3975

Client:

Entek Consulting Group, Inc.

4200 Rocklin Rd., Suite 7

Rocklin, CA 95677

Job:

10-1768 UC Davis Medical Center

University Tower 2nd Floor

Sacramento, Ca

BULK ASBESTOS ANALYSIS REPORT

LAB JOB # 55799-6

Date/Time Collected: 10/28/10

Date Received: 10/29/10

NVLAP # 101442

DOHS # 1153

Date Analyzed: 11/1/10

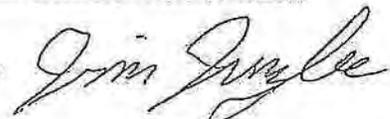
<u>Sample No.</u>	<u>Color/Description</u>	<u>% Type Asbestos</u>	<u>Other Materials</u>
ECG-10-1768-47A	Gray fireproofing, room 2632	NONE DETECTED	Fibrous Glass
48A	Brown base cove mastic, room 2639	NONE DETECTED	Synthetics Wollastonite
49A	Gray exterior stucco, exterior of bldg. at north side covered window	NONE DETECTED	Calcite

THE ANALYSIS USES POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING FOLLOWING E.P.A. METHOD 600/R-93/116. NON-FRIABLE MATERIALS WERE ANALYZED APPLYING THE SAME METHOD. THE LOWER DETECTION LIMIT IS <1 % WITH THE PROVISION THAT PLM MAY NOT DETECT FIBERS <0.25 MICRONS IN DIAMETER THAT MAY BE PRESENT IN SAMPLES SUCH AS FLOOR TILES. IN ACCORDANCE WITH TITLE 22, CCR, SECTION 66261.24(a)(2)(A), THE MCL IS 1%. SAMPLES WERE NOT COLLECTED BY ASBESTECH. THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL WITHOUT THE APPROVAL OF ASBESTECH. THIS REPORT RELATES ONLY TO THE ITEMS TESTED. THIS REPORT MUST NOT BE USED TO CLAIM PRODUCT ENDORSEMENT BY N.V.L.A.P. OR ANY AGENCY OF THE U.S. GOVERNMENT. ASBESTECH ACCEPTS TECHNICAL RESPONSIBILITY FOR THIS REPORT AND DATE OF ISSUE.

NVLAP

LABORATORY DIRECTOR: TOM CONLON

ANALYST: JIM JUNGLES



55799

BULK ASBESTOS MATERIAL Analysis Request Form for **Entek Consulting Group, Inc.**

4200 ROCKLIN ROAD, STE. 7
 ROCKLIN, CA 95677
 (916) 632-6800
 FAX (916) 632-6812

Date of Sampling: 10-28-10

Lab: Asbestech

Job Number: 10-1768

Turnaround Time: Monday, November 1 by 1700 Hrs.

Client Name: UC Davis Medical Center

Collected by: Rick Beall & Blake Howes

Site Address: University Tower 2nd Floor
 2315 Stockton Blvd.
 Sacramento, CA 95817

ANALYSIS REQUESTED: Asbestos by PLM with
 Dispersion Staining

Special Instruction:

*Stop Analysis upon first positive result (>1%) for sample in
 a series.*

Please e-mail results as soon as available

SAMPLE #	MATERIAL DESCRIPTION/LOCATION
ECG-10-1768-27A	Tan Striated Resilient Sheet Vinyl with Yellow Mastic - Room 2698 OR #14
ECG-10-1768-28A	White Mottled Resilient Sheet Vinyl - Room 2626B
ECG-10-1768-29A	White Granulated Resilient Sheet Vinyl with Yellow Mastic - Room 2643A
ECG-10-1768-30A	Yellow Base Cove Mastic - Corridor 2627
ECG-10-1768-31A	Yellow Base Cove Mastic - Corridor 2620
ECG-10-1768-32A	Light Pink Resilient Sheet Vinyl with Yellow Mastic - Room 2648
ECG-10-1768-33A	Yellow Resilient Sheet Vinyl with Yellow Mastic - Room 2614 at Northwest Corner
ECG-10-1768-34A	White Resilient Sheet Vinyl with Yellow Mastic - Room 2614 at Southwest Corner
ECG-10-1768-35A	12" Beige VFT with Yellow Mastic - Corridor 2620
ECG-10-1768-36A	Blue Resilient Sheet Vinyl with Yellow Mastic - Room 2624
ECG-10-1768-37A	12" Off-White VFT with Black Mastic - Corridor 2627 Near Room 2633

Delivered by: Blake Howes

Date: 10-29-10

Time: 0905

Received by: [Signature]

Date: 10-29-10

Time: 905

55799

BULK ASBESTOS MATERIAL Analysis Request Form for Entek Consulting Group, Inc.

4200 ROCKLIN ROAD, STE. 7
 ROCKLIN, CA 95677
 (916) 632-6800
 FAX (916) 632-6812

Date of Sampling: 10-28-10**Lab:** Asbestech**Job Number:** 10-1768**Turnaround Time:** Monday, November 1 by 1700 Hrs.**Client Name:** UC Davis Medical Center**Collected by:** Rick Beall & Blake Howes**Site Address:** University Tower 2nd Floor
2315 Stockton Blvd.
Sacramento, CA 95817**ANALYSIS REQUESTED:** Asbestos by PLM with
Dispersion Staining**Special Instruction:***Stop Analysis upon first positive result (>1%) for sample in a series.**Please e-mail results as soon as available*

SAMPLE #	MATERIAL DESCRIPTION/LOCATION
ECG-10-1768-38A	White Multicolored Resilient Sheet Vinyl Over 12" VFT with Black Mastic - Room 2630B
ECG-10-1768-39A	Drywall and Joint Compound - Room 2633 Office at Northeast Corner
ECG-10-1768-39B	Drywall and Joint Compound - Room 2632 Workroom at Northwest Corner
ECG-10-1768-40A	Drywall and Joint Compound - Room 2039 Patient Storage at Southeast Corner
ECG-10-1768-40B	Drywall and Joint Compound - Room 2615 Office at Northeast Corner
ECG-10-1768-41A	Drywall with Joint Compound - Room 2614 at Southwest Corner Wall of South Side
ECG-10-1768-41B	Drywall and Joint Compound - Room 2614D Office
ECG-10-1768-42A	Fireproofing on Structural Steel - Room 2614 at Central Access Hatch
ECG-10-1768-43A	12" Acoustical Ceiling Tile with Brown Mastic - Room 2614 at Northeast Corner
ECG-10-1768-43B	12" Acoustical Ceiling Tile with Brown Mastic - Room 2614 at Southwest Corner
ECG-10-1768-44A	2'x2' Acoustical Ceiling Tile on Spline System - Corridor 2640

Delivered by: Melba Brown**Date:** 10-29-10**Time:** 0905**Received by:** [Signature]**Date:** 10-29-10**Time:** 905

55799

BULK ASBESTOS MATERIAL Analysis Request Form for **Entek Consulting Group, Inc.**

4200 ROCKLIN ROAD, STE. 7
 ROCKLIN, CA 95677
 (916) 632-6800
 FAX (916) 632-6812

Date of Sampling: 10-28-10

Lab: Asbestech

Job Number: 10-1768

Turnaround Time: Monday, November 1 by 1700 Hrs.

Client Name: UC Davis Medical Center

Collected by: Rick Beall & Blake Howes

Site Address: University Tower 2nd Floor
 2315 Stockton Blvd.
 Sacramento, CA 95817

ANALYSIS REQUESTED: Asbestos by PLM with
 Dispersion Staining

Special Instruction:

Stop Analysis upon first positive result (>1%) for sample in a series.

Please e-mail results as soon as available

SAMPLE #	MATERIAL DESCRIPTION/LOCATION
ECG-10-1768-44B	2'x2' Acoustical Ceiling Tile on Spline System - Corridor 2620
ECG-10-1768-45A	2'x2' Drop-in Ceiling Panel with Vinyl Covering - Corridor 2626
ECG-10-1768-45B	2'x2' Drop-in Ceiling Panel with Vinyl Covering - Room 2632
ECG-10-1768-46A	Fireproofing - Corridor 2626 Near Room 2692
ECG-10-1768-47A	Fireproofing - Room 2632
ECG-10-1768-48A	Brown Base Cove Mastic - Room 2639
ECG-10-1768-49A	Exterior Stucco - Exterior of Building at the North Side Covered Window

C:\Entek\Clients\UCDMC\10-1768 Second Floor\BulkSampleAsb\BulkReq.102810 University Tower.wpd

Delivered by: Blake Howes

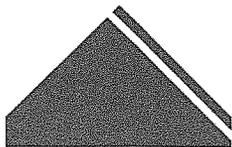
Date: 10-29-10

Time: 0905

Received by: [Signature]

Date: 10-29-10

Time: 905



ENTEK CONSULTING GROUP, INC.

4200 Rocklin Road, Suite 7 Rocklin, CA 95677

Telephone (916) 632-6800

Fax (916) 632-6812

December 5, 2011

Mr. Anthony Chung-Yee
Project Manager
Facilities Design and Construction
UC Davis Medical Center
4800 2nd Avenue, Suite 3010
Sacramento, CA 95817

Re: Asbestos Bulk Sample Report at UC Davis Medical Center; NICU-I/NICU-II; Bulk Sample of
Flooring in Pharmacy

Dear Mr. Chung-Yee:

This report presents results of the bulk sample analysis for asbestos on December 1, 2011 in the Pharmacy section of the University Tower, Second Floor, at NICU-I/NICU-II. Entek Consulting Group, Inc. (Entek) collected bulk samples of gray sheet vinyl flooring, associated yellow adhesive, vinyl floor tile, associated black mastic and base cove material in the Pharmacy section of the project area. The samples were delivered to Asbestech laboratory of Carmichael, CA, with analysis for asbestos by Polarized Light Microscopy (PLM). The sample locations are indicated on the attached schematic and on the "Bulk Asbestos Material Analysis Request Form for Entek", which served as the chain of custody for the sample.

The bulk samples included the gray colored sheet vinyl flooring with associated yellow adhesive covering 12" white colored vinyl floor tiles (VFT) with associated black mastic on the two samples collected. Two samples were also collected of the cove base with brown adhesive.

Results of Testing

Asbestos was detected in the black colored mastic associated with the 12" VFT located underneath the sheet vinyl flooring. No asbestos was detected in the sheet vinyl flooring, yellow mastic, or the brown adhesive associated with the base cove.

Thank you for choosing Entek for your environmental needs. Please call me at (916) 632-6800 if you have any questions regarding this report.

Sincerely,

Richard Beall, CIH, CSP
President

Enclosures

Z:\Clients\UCDMC\11-1981 University Tower 2nd & 5th Floors VFT & Mastic Removal\Project Reports and Letters\Asbestos Bulk Sample Report 12-5-11.wpd

ASBESTECH
 6825 Fair Oaks Blvd., Suite 103
 Carmichael, California 95608
 Tel.(916) 481-8902 Fax (916) 481-3975

Client:

Entek Consulting Group, Inc.
 4200 Rocklin Rd., Suite 7
 Rocklin, CA 95677

Job:

11-1981 UCDCMC
 University Tower 2nd Floor
 Sacramento, Ca

BULK ASBESTOS ANALYSIS REPORT

LAB JOB # 57321

Date/Time Collected: 12/2/11

Date Received: 12/2/11

NVLAP # 101442

DOHS # 1153

Date Analyzed: 12/2/11

<i>Sample No.</i>	<i>Color/Description</i>	<i>% Type Asbestos</i>	<i>Other Materials</i>
ECG-11-1981-12A	Gray sheet vinyl flooring over 12" light colored vinyl floor tile, east side of pharmacy	NONE DETECTED	Calcite Opagues
	Yellow adhesive	NONE DETECTED	Synthetics
	White 12" vinyl floor tile	NONE DETECTED	Calcite
	Black mastic	1-5 CHRYSOTILE	Tar Binder
12B	Gray sheet vinyl flooring over 12" light colored vinyl floor tile, west side of pharmacy	NONE DETECTED	Calcite Opagues
	Yellow adhesive	NONE DETECTED	Synthetics
	White 12" vinyl floor tile	NONE DETECTED	Calcite
	Yellow mastic	NONE DETECTED	Synthetics
13A	Gray cove base, at entry to pharmacy	NONE DETECTED	Calcite Opagues
	Yellow adhesive	NONE DETECTED	Synthetics
13B	Tan cove base, at west side of pharmacy	NONE DETECTED	Calcite Opagues
	Brown adhesive	NONE DETECTED	Synthetics Wollastonite

THE ANALYSIS USES POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING FOLLOWING E.P.A. METHOD 600/R-93/116. NON-FRIABLE MATERIALS WERE ANALYZED APPLYING THE SAME METHOD. THE LOWER DETECTION LIMIT IS <1 % WITH THE PROVISO THAT PLM MAY NOT DETECT FIBERS <0.25 MICRONS IN DIAMETER THAT MAY BE PRESENT IN SAMPLES SUCH AS FLOOR TILES. IN ACCORDANCE WITH TITLE 22, CCR, SECTION 66261.24(a)(2)(A), THE MCL IS 1 %. SAMPLES WERE NOT COLLECTED BY ASBESTECH. THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL WITHOUT THE APPROVAL OF ASBESTECH. THIS REPORT RELATES ONLY TO THE ITEMS TESTED. THIS REPORT MUST NOT BE USED TO CLAIM PRODUCT ENDORSEMENT BY N.V.L.A.P. OR ANY AGENCY OF THE U.S. GOVERNMENT. ASBESTECH ACCEPTS TECHNICAL RESPONSIBILITY FOR THIS REPORT AND DATE OF ISSUE.

NVLAP

LABORATORY DIRECTOR: TOM CONLON

ANALYST: JIM JUNGLES

BULK ASBESTOS MATERIAL *Analysis Request Form for* **Entek Consulting Group, Inc.**

4200 ROCKLIN ROAD, STE. 7
 ROCKLIN, CA 95677
 (916) 632-6800
 FAX (916) 632-6812

Date of Sampling: December 1, 2011

Lab: Asbestech

Job Number: 11-1981

Turnaround Time: 8 hrs., Friday, December 2, 2011 at 5:00pm

Client Name: University California Davis Medical Center

Collected by: Jack DeLay

Site Address: University Tower
 Second Floor
 Sacramento, CA 95817

ANALYSIS REQUESTED: Asbestos by PLM with Dispersion Staining

Special Instruction:

Stop Analysis upon first positive result (>1%) for sample in a series.

Please call Jack at (916) 417-4740 with verbal results as soon as available.

Please e-mail results as soon as available and include copy of submittal with those results.

SAMPLE #	MATERIAL DESCRIPTION/LOCATION
ECG-11-1981-12A	Gray Sheet Vinyl Flooring with Yellow Adhesive over 12" Light Colored Vinyl Floor Tile with Black Mastic / East Side of Pharmacy
ECG-11-1981-12B	Gray Sheet Vinyl Flooring with Yellow Adhesive over 12" Light Colored Vinyl Floor Tile with Black Mastic / West Side of Pharmacy
ECG-11-1981-13A	Cove Base with Brown Adhesive / At Entry to Pharmacy
ECG-11-1981-13B	Cove Base with Brown Adhesive / At West Side of Pharmacy

L:\Jack\Entek\Clients\UCDMC\Bulk Rqt 12-1-11.wpd

Delivered by: _____

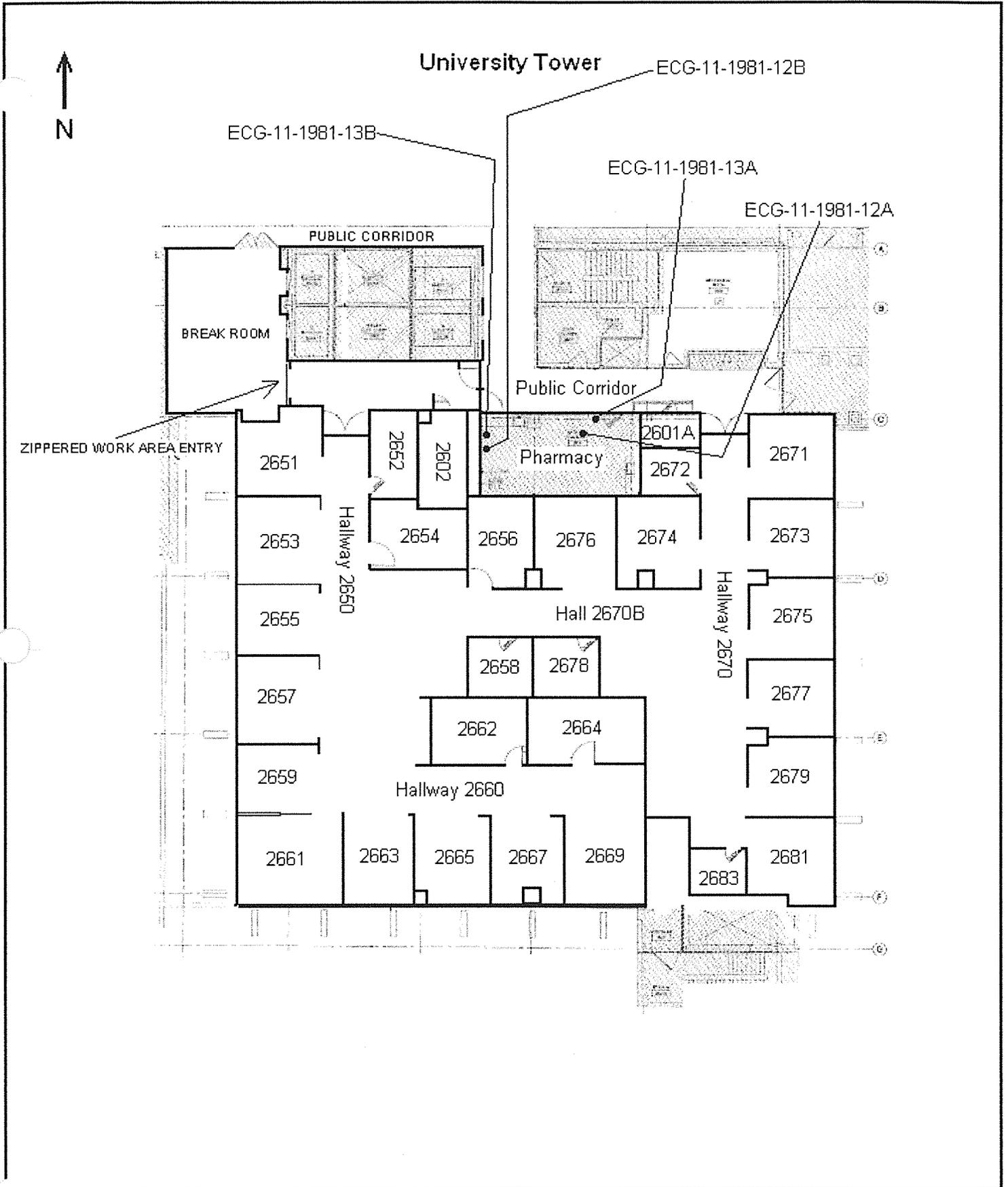
Date: _____

Time: _____

Received by: _____

Date: _____

Time: _____



University Tower
University of Davis Medical Center
4800 2nd Avenue
Sacramento, California

Entek Consulting Group, Inc.
4200 Rocklin Road, Suite 7
Rocklin, California 95677
Map Not to Scale

Approximate Asbestos Bulk Sample
Locations Collected by
Jack DeLay on December 1, 2011
Project Number 11-1981

BULK ASBESTOS MATERIAL Analysis Report Form for **Entek Consulting Group, Inc.**

4200 ROCKLIN ROAD, STE. 7
 ROCKLIN, CA 95677
 (916) 632-6800
 FAX (916) 632-6812

Date of Sampling: July 20, 2011

Lab: Asbestech

Job Number: 11-1981

Turnaround Time: Thursday, 7-21-11, 10AM

Client Name: University California Davis Medical Center

Collected by: Rick Beall

Site Address: University Tower
 Second Floor
 Sacramento, CA 95817

ANALYSIS REQUESTED: Asbestos by PLM with
 Dispersion Staining

SAMPLE #	RESULTS	MATERIAL DESCRIPTION/LOCATION
ECG-11-1981-01A	NONE DETECTED	Tan Fireproofing - Column
ECG-11-1981-01B	NONE DETECTED	Tan Fireproofing - From I-Beam Flange
ECG-11-1981-01C	NONE DETECTED	Tan Fireproofing - From Side of I-Beam
ECG-11-1981-02A	NONE DETECTED	Gray Fireproofing - Packing in Attic by Nurse Station
ECG-11-1981-02B	NONE DETECTED	Gray Fireproofing (Hand Pack) Debris in Attic Space on Top of Spline Ceiling Below I-Beam Penetrating Wall
ECG-11-1981-03A	NONE DETECTED	Pink Colored Joint Compound on Drywall Box in Attic by Nurse Station
ECG-11-1981-04A	NONE DETECTED	2 x 2 Ceiling Panel - Splined - On Counter at Nurse Station Removed by Contractor
ECG-11-1981-04B	NONE DETECTED	2 x 2 Ceiling Panel - Splined - Near Nurse Station
ECG-11-1981-05A	NONE DETECTED	Drywall and Joint Compound - Lower Corner by Nurse Station
ECG-11-1981-05B	NONE DETECTED	Drywall and Joint Compound - Lower Corner by Patient Room 2676-1
ECG-11-1981-05C	NONE DETECTED	Drywall and Joint Compound - Lower Corner by Nurse Station
ECG-11-1981-06A	NONE DETECTED	Basecove Mastic (Cream Colored) with Joint Compound
ECG-11-1981-07A	NONE DETECTED	Duct Seam Tape - Horizontal Metal Duct in Attic Space by Nurse Station
ECG-11-1981-08A	NONE DETECTED	Red Fire Rated Caulking at Pipe Penetration in Wall in Attic Space by Access Hatch Near Nurse Station

ASBESTECH
 6825 Fair Oaks Blvd., Suite 103
 Carmichael, California 95608
 Tel.(916) 481-8902 Fax (916) 481-3975

Client:
 Entek Consulting Group, Inc.
 4200 Rocklin Rd., Suite 7
 Rocklin, CA 95677

Job:
 11-1981 UCDCM
 University Tower 2nd Floor
 Sacramento, Ca

BULK ASBESTOS ANALYSIS REPORT

LAB JOB # 56876-1
 Date/Time Collected: 7/20/11
 Date Received: 7/20/11

NVLAP # 101442
 DOHS # 1153
 Date Analyzed: 7/20/11

<i>Sample No.</i>	<i>Color/Description</i>	<i>% Type Asbestos</i>	<i>Other Materials</i>
ECG-11-1981-01A	Tan fireproofing, column	NONE DETECTED	Gypsum Cellulose
01B	Tan fireproofing, from I-beam flange	NONE DETECTED	Gypsum Cellulose
01C	Tan fireproofing, from side of I-beam	NONE DETECTED	Gypsum Cellulose
02A	Gray fireproofing, packing in attic by nurse station	NONE DETECTED	Gypsum Cellulose
03A	Pink joint compound on drywall box in attic by nurse station	NONE DETECTED	Granular Mins. Fibrous Glass
04A	Gray/ white 2X2 ceiling panel-splined-on counter at nurse station, removed by contractor	NONE DETECTED	Fibrous Glass Cellulose
04B	Gray/ white 2X2 ceiling panel-splined-near nurse station	NONE DETECTED	Fibrous Glass Cellulose

THE ANALYSIS USES POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING FOLLOWING E.P.A. METHOD 600/R-93/116. NON-FRIABLE MATERIALS WERE ANALYZED APPLYING THE SAME METHOD. THE LOWER DETECTION LIMIT IS <1 % WITH THE PROVISIO THAT PLM MAY NOT DETECT FIBERS <0.25 MICRONS IN DIAMETER THAT MAY BE PRESENT IN SAMPLES SUCH AS FLOOR TILES. IN ACCORDANCE WITH TITLE 22, CCR, SECTION 66261.24(a)(2)(A), THE MCL IS 1 %. SAMPLES WERE NOT COLLECTED BY ASBESTECH. THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL WITHOUT THE APPROVAL OF ASBESTECH. THIS REPORT RELATES ONLY TO THE ITEMS TESTED. THIS REPORT MUST NOT BE USED TO CLAIM PRODUCT ENDORSEMENT BY N.V.L.A.P. OR ANY AGENCY OF THE U.S. GOVERNMENT. ASBESTECH ACCEPTS TECHNICAL RESPONSIBILITY FOR THIS REPORT AND DATE OF ISSUE.

NVLAP

LABORATORY DIRECTOR: TOM CONLON

ANALYST: JIM JUNGLES

ASBESTECH
 6825 Fair Oaks Blvd., Suite 103
 Carmichael, California 95608
 Tel.(916) 481-8902 Fax (916) 481-3975

Client:
 Entek Consulting Group, Inc.
 4200 Rocklin Rd., Suite 7
 Rocklin, CA 95677

Job:
 11-1981 UCDCM
 University Tower 2nd Floor
 Sacramento, Ca

BULK ASBESTOS ANALYSIS REPORT

LAB JOB # 56876-2
 Date/Time Collected: 7/20/11
 Date Received: 7/20/11

NVLAP # 101442
 DOHS # 1153
 Date Analyzed: 7/20/11

<i>Sample No.</i>	<i>Color/Description</i>	<i>% Type Asbestos</i>	<i>Other Materials</i>
ECG-11-1981-05A	White drywall, lower corner by nurse station	NONE DETECTED	Gypsum Fibrous Glass
	White joint compound 1	NONE DETECTED	Calcite
	White joint compound 2	NONE DETECTED	Calcite
05B	White drywall, lower corner patient room 2676-1	NONE DETECTED	Gypsum Fibrous Glass
	White joint compound 1	NONE DETECTED	Calcite
	White joint compound 2	NONE DETECTED	Granular Mins.
05C	White drywall, lower corner by nurse station	NONE DETECTED	Gypsum Fibrous Glass
	White joint compound 1	NONE DETECTED	Calcite
	White joint compound 2	NONE DETECTED	Calcite
06A	Cream base cove mastic	NONE DETECTED	Calcite
	White joint compound	NONE DETECTED	Granular Mins.
07A	White duct seam tape, horizontal metal duct in attic space by nurse station	NONE DETECTED	Cellulose Opagues

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NVLAP

LABORATORY DIRECTOR: TOM CONLON

ANALYST: JIM JUNGLES

ASBESTECH
 6825 Fair Oaks Blvd., Suite 103
 Carmichael, California 95608
 Tel.(916) 481-8902 Fax (916) 481-3975

Client:

Entek Consulting Group, Inc.
 4200 Rocklin Rd., Suite 7
 Rocklin, CA 95677

Job:

11-1981 UCDCMC
 University Tower 2nd Floor
 Sacramento, Ca

BULK ASBESTOS ANALYSIS REPORT

LAB JOB # 56876-3

Date/Time Collected: 7/20/11

Date Received: 7/20/11

NVLAP # 101442

DOHS # 1153

Date Analyzed: 7/20/11

<i>Sample No.</i>	<i>Color/Description</i>	<i>% Type Asbestos</i>	<i>Other Materials</i>
ECG-11-1981-08A	Red fire-rated caulking at pipe penetration in wall in attic space by access hatch near nurse station	NONE DETECTED	Pumice Opagues
02B	Gray fireproofing, (hand pack) debris in attic space on top of spline ceiling below I-beam penetrating wall	NONE DETECTED	Gypsum Cellulose

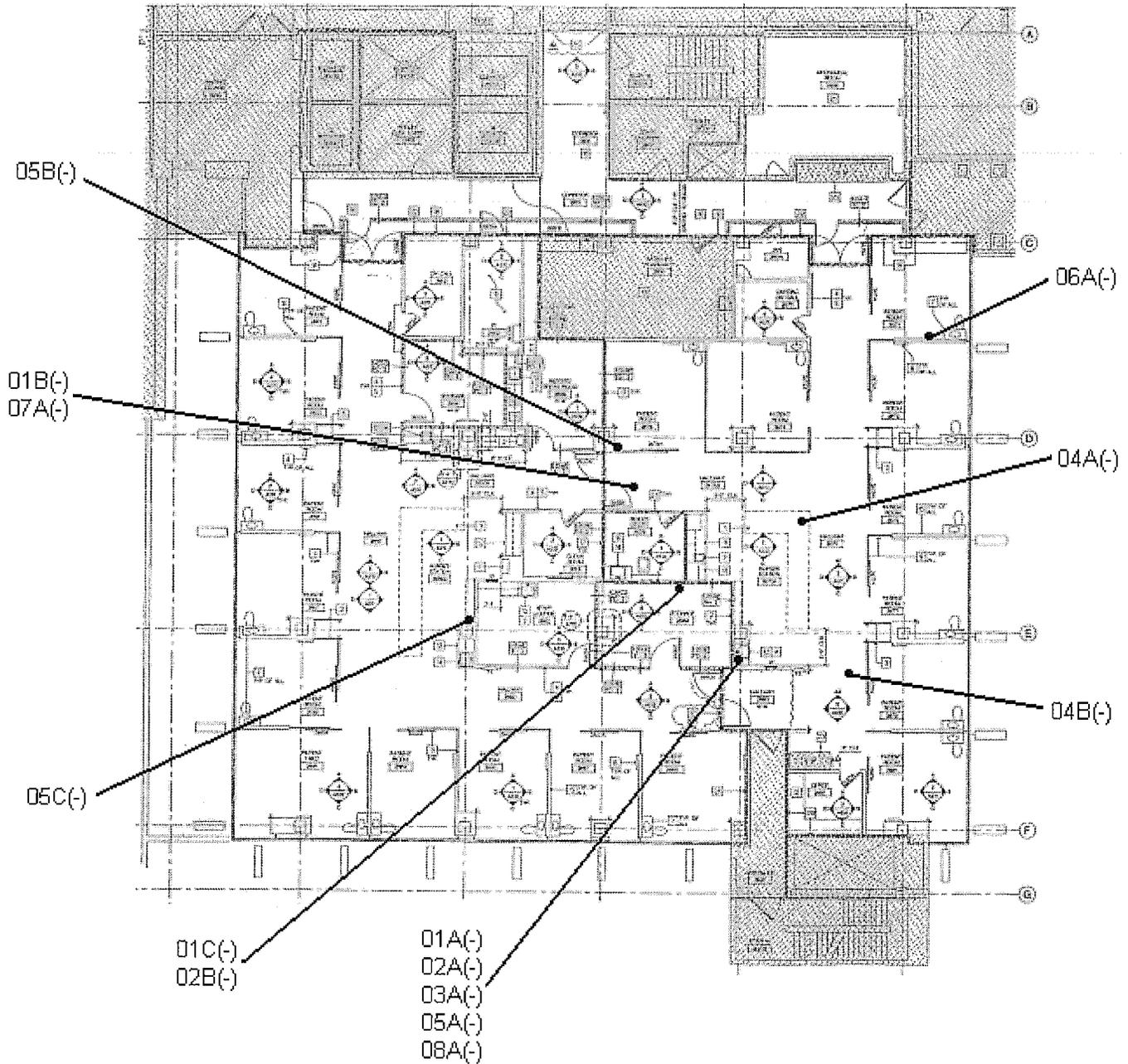
THE ANALYSIS USES POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING FOLLOWING E.P.A. METHOD 600/R-93/116. NON-FRIABLE MATERIALS WERE ANALYZED APPLYING THE SAME METHOD. THE LOWER DETECTION LIMIT IS <1 % WITH THE PROVISIO THAT PLM MAY NOT DETECT FIBERS <0.25 MICRONS IN DIAMETER THAT MAY BE PRESENT IN SAMPLES SUCH AS FLOOR TILES. IN ACCORDANCE WITH TITLE 22, CCR, SECTION 66261.24(a)(2)(A), THE MCL IS 1 %. SAMPLES WERE NOT COLLECTED BY ASBESTECH. THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL WITHOUT THE APPROVAL OF ASBESTECH. THIS REPORT RELATES ONLY TO THE ITEMS TESTED. THIS REPORT MUST NOT BE USED TO CLAIM PRODUCT ENDORSEMENT BY N.V.L.A.P. OR ANY AGENCY OF THE U.S. GOVERNMENT. ASBESTECH ACCEPTS TECHNICAL RESPONSIBILITY FOR THIS REPORT AND DATE OF ISSUE.

NVLAP

LABORATORY DIRECTOR: TOM CONLON

ANALYST: JIM JUNGLES

University Tower



University Tower
University of Davis Medical Center
4800 2nd Avenue
Sacramento, California

Entek Consulting Group, Inc.
4200 Rocklin Road, Suite 7
Rocklin, California 95677
Map Not to Scale

Approximate Asbestos Bulk Sample
Locations Collected by
Rick Beall on July 20, 2011
Project Number 11-1981



**ENTEK
CONSULTING GROUP, INC.**

4200 Rocklin Road, Suite 7, Rocklin, CA 95677 Phone (916) 632-6800 Fax (916) 632-6812 www.entekgroup.com

**ASBESTOS MATERIALS SURVEY
FINAL REPORT**

OWNER/CLIENT

**UC Davis Medical Center
Plant Operations & Maintenance
4800 2nd Avenue, Suite 1500
Sacramento, CA 95817**

CONTACT

**Mr. Corey Nommensen
Assistant Superintendent**

SURVEY ADDRESS

**UC Davis Medical Center
University Tower
2315 Stockton Blvd.
Sacramento, CA 95817**

BUILDING AREAS SURVEYED

**University Tower, Room 0670
G670 Tank Leak Project and Flue Pipe Insulation**

PREPARED BY

**Rick Beall, CIH, CSP, CAC
CAC #92-0032
Entek Consulting Group, Inc.
4200 Rocklin Road, Suite 7
Rocklin, CA 95677**

Entek Project #15-3790

December 22, 2015



TABLE OF CONTENTS

Executive Summary.	<u>3</u>
Introduction.	<u>4</u>
Asbestos Inspection and Sample Collection Protocols.	<u>4</u>
Asbestos Bulk Sample Results.	<u>4</u>
Asbestos Regulatory Requirements.	<u>6</u>
Limitations.	<u>6</u>
Appendices	
A. Asbestos Related Documents	
B. Backup Documentation	



Executive Summary

The United States Environmental Protection Agency, National Emission Standards for Hazardous Air Pollutants (US EPA NESHAP), 40 CFR Part 61, requires an owner or operator of a demolition or renovation project to thoroughly inspect the affected facility or part of the facility where the demolition or renovation operation will occur for the presence of asbestos-containing materials (ACM) prior to the commencement of that project.

This inspection report was requested by Mr. Corey Nommensen, Assistant Superintendent with Plant Operations & Maintenance at UC Davis Medical Center.

The purpose of this inspection was to comply with US EPA NESHAP requirements, as enforced by the Sacramento Metropolitan Air Quality Management District (SMAQMD) to determine if asbestos containing materials are present which may be impacted during a planned repairs to a leaking water tank located in the basement of the University Tower. It is our understanding, the University Tower was constructed in 1982.

The attached drawing shows approximate sample locations and also identify those bulk sample materials analyzed and found to contain asbestos greater than 1% with a (+) after the sample number. Materials analyzed and found to contain less than 1% asbestos or reported as none detected have a (-) after each sample number.

Materials are classified in the tables of this report as regulated asbestos containing material (RACM), Category I (CAT-I) or Category II (CAT-II) ACM, or asbestos containing construction material (ACCM), which included collecting multiple samples of some materials. Contractors and other individuals who view the sample locations and associated results indicated with either a (-) or a (+) on the drawing to make determinations take the risk of misidentifying a material and may arrive at determinations which are in direct conflict with the written findings of this report. This use of the drawing and the information provided on it relating to individual sample results in determining if a material does or does not contain asbestos is not recommended.

This is a summary of the report. The report must be read in its entirety, and the reader must review all the detailed information provided in the body of the report prior to making any interpretations, or conclusions pertaining to the information. Any conclusions made by the reader about the information provided in the body of this report which are contradictory or not included in this report are the responsibility of the reader.

Asbestos

On December 15, 2015, Entek conducted a limited survey for asbestos containing materials that included the insulation associated with the two hot water storage tanks (Tank #1 and Tank #2) located side by side in Room 0670 of the University Tower. During my site visit, there was one disconnected (abandoned) boiler flue exhaust duct present in the same room with exposed suspect white block insulation. The end of the flue was cut-off with the exposed white block insulation. I included sampling of this flue duct insulation in this assessment. 14 bulk samples were collected of block insulation associated with the two hot water tanks and of the boiler flue. No asbestos was detected in any of the samples.



The results of this testing with no asbestos detected in any of the insulation is consistent with the age of the building (1982), when asbestos was not used or allowed in piping, tank or duct systems.

Introduction

This report presents results of a very limited asbestos survey performed by Entek which included only the two hot water tanks and the one abandoned boiler flue duct insulation in Room 0670 in the University Tower.

The asbestos survey was conducted on December 15, 2015 by Rick Beall, CIH, CSP, CAC, who is a US EPA Asbestos Hazard Emergency Response Act (AHERA)-accredited building inspector and a Cal/OSHA Certified Asbestos Consultant (CAC).

The two hot water tanks in Room 0670 have a canvas covered block insulation material surrounding the tanks. In addition, there is heat exchanger present at the front of each tank with insulation present as well. Four bulk samples were collected of the insulation from each tank. In addition, four bulk samples were collected of the white block insulation associated with the abandoned boiler flue located in the same room

Asbestos Inspection and Sample Collection Protocols

Bulk samples were collected of the specific suspect insulation materials suspected to contain asbestos by utilizing a drill, copper core and a wet sponge.

Approximate locations of all samples collected during this inspection are indicated on the "Bulk Asbestos Material Analysis Request Form for Entek", which served as the chain of custody for the samples, and on the building diagram attached to this report.

Asbestos Bulk Sample Results

There were several materials observed which are considered "suspect" under US EPA guidelines. Under current US EPA guidelines for conducting building inspections for ACM, all "suspect" materials must be assumed to contain asbestos until otherwise determined by laboratory testing.

The samples of insulation materials suspected of containing asbestos were submitted to Asbestech, a laboratory located in Carmichael, California. These samples were subsequently analyzed by polarized light microscopy (PLM) with dispersion staining. Asbestech is accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for this analysis.

US EPA NESHAP uses the terms RACM, CAT-I, & CAT-II when identifying materials which contain asbestos in amounts greater than 1%. Cal/OSHA uses the term ACCM which indicates a manufactured construction material contains greater than 0.1% asbestos by weight by the PLM method. This definition can be found in 8 CCR Part 1529.

A total of fourteen (14) bulk samples were collected of all the materials considered to be



"suspect", which were observed during this investigation. Some of those samples contained multiple layers which were individually analyzed to determine their asbestos content. Results of the analysis are listed in the following tables:

Suspect Materials Found NOT TO Contain Asbestos or Considered Non-Suspect				
Sample ID#'s	Suspect Material	EPA AHERA "Suspected" ACM	Asbestos Content	Location
01A-C 02A	Hot Water Tank and Expansion Insulation	Thermal System Insulation (TSI)	NONE DETECTED	Hot Water Tank #1
03A-C 04A	Hot Water Tank and Expansion Insulation	Thermal System Insulation (TSI)	NONE DETECTED	Hot Water Tank #2
05A-D	Boiler Flue Insulation	Thermal System Insulation (TSI)	NONE DETECTED	Abandoned Boiler Flue

NOTE: All sample numbers are preceded by ECG-15-3790-

US EPA AHERA uses three terms when determining the classification of a material for the purpose of sampling. These terms include miscellaneous, surfacing, and thermal system insulation (TSI).

Miscellaneous materials are building materials on structural components, structural members or fixtures, such as floor and ceiling tiles, and does not include surfacing material or TSI.

Surfacing materials are materials that are sprayed-on, troweled-on, or otherwise applied to surfaces, such as acoustical plaster on ceiling and fireproofing materials on structural members, or other materials on surfaces for acoustical, fireproofing, or other purposes.

TSI is material applied to pipes, fittings, boilers, breeching, tanks, ducts, or other structural components to prevent heat loss or gain, water condensation, or for other purposes.

The information provided in the table of this report is for use by the Owner in determining where asbestos containing materials are located, and whether or not any future work may impact those materials. The information is also provided for use by any contractor who may perform work in areas impacting the materials listed in this report.

Any building materials which are considered "suspect" for containing asbestos which have not been identified in this report must be assumed to contain asbestos in amounts >1% until properly investigated and/or tested.

Materials commonly excluded from being suspected for containing asbestos include, but are not limited to: unwrapped pink and yellow fiberglass insulating materials or products, foam insulation, wood, metal, plastic, rubber, or glass. All other types of building materials



or coatings on the materials listed above are commonly listed as “suspect” and must be tested prior to impact. Work impacting these untested or newly discovered materials must cease until an investigation can be completed.

Asbestos Regulatory Requirements

US EPA

The property included in this survey report is located in Sacramento County. Sacramento Metropolitan Air Quality Management District (SMAQMD) has been given authority for enforcement of the NESHAP regulations in Sacramento County through the use of their own rules (Rule 902).

Ten day advance written notification to the SMAQMD is required prior to the performance of any demolition project regardless of asbestos being present or not. A demolition is the wrecking, taking out, or burning of any load supporting structural member. A renovation is everything else.

Since no asbestos was detected in the block insulation, a 10 day advance notice to the SMAQMD would not be required for removal of the insulation.

Cal/OSHA

Disturbance of any ACM or ACCM could generate airborne asbestos fibers and would be regulated by Cal/OSHA. Cal/OSHA worker health and safety regulations apply during any disturbance of ACM or ACCM by a person while in the employ of another. This is true regardless of friability or quantity disturbed.

Since no asbestos was detected in the block insulation, the Cal/OSHA regulations for asbestos (Title 8 1529) do not apply.

Limitations

Entek inspected only the specific designated areas identified by Mr. Corey Nommensen to be included in the upcoming project, which did not include all areas of the building’s interior and exterior components. We did include sampling of the flue insulation, since the ends of the block insulation were opened, with exposed friable insulation. This survey is specific to these three mechanical system components only in this room. The information provided in this inspection report may not be used to extend the inspection results to areas not included in this report without additional review and sampling as necessary.

Entek’s policy is to retain a full copy of these written documents for three (3) years once the file is closed. At the end of the three (3) year period the written files will be destroyed without further notice. It is suggested copies of the file(s) are maintained as per UC Davis Medical Center policy. Entek will be providing only this electronic copy of the report and its attachments for your use. However, if you would like a hard copy of this report please do not hesitate to ask. Entek will be happy to mail the report upon receipt of your request.



Thank you for choosing Entek for your hazardous materials needs. Please call me at (916) 632-6800 if you have any questions regarding this report.

A handwritten signature in black ink that reads "Rick Beall".

Prepared by:

Rick Beall, CIH, CSP, CAC
Cal/OSHA CAC #92-0032

Appendices

- A. Asbestos Related Documents
- B. Backup Documentation

Z:\Clients\UCDMC\15-3790 University Tower - G670 Tank Leak - Asb Bulk Sampling\Project Letters & Reports\Final Asb Insp Rpt 12-22-15.wpd

ASBESTECH
6825 Fair Oaks Blvd., Suite 103
Carmichael, California 95608
Tel.(916) 481-8902 Fax (916) 481-3975

Client:
Entek Consulting Group, Inc.
4200 Rocklin Rd., Suite 7
Rocklin, CA 95677

Job:
15-3790 UCDCM G670 Tank Leak
University Tower Room 0670
Sacramento, Ca

BULK ASBESTOS ANALYSIS REPORT

LAB JOB # 62576-1
Date/Time Collected: 12/15/15
Date Received: 12/16/15

NVLAP Lab Code 101442-0
CDPH # 1153
Date Analyzed: 12/17/15

<i>Sample No.</i>	<i>Color/Description</i>	<i>% Type Asbestos</i>	<i>Other Materials</i>
ECG-15-3790-01A	White block insulation , hot water tank #1	NONE DETECTED	Fibrous Glass Calcite
	White wrap	NONE DETECTED	Cellulose
01B	White block insulation , hot water tank #1	NONE DETECTED	Fibrous Glass Calcite
	Yellow insulation	NONE DETECTED	Fibrous Glass
	White wrap	NONE DETECTED	Cellulose
01C	White block insulation , hot water tank #1	NONE DETECTED	Fibrous Glass Calcite
	Yellow insulation	NONE DETECTED	Fibrous Glass
	White wrap	NONE DETECTED	Cellulose
01D	White block insulation , hot water tank #1 transition at base of tank	NONE DETECTED	Fibrous Glass Calcite
	Yellow insulation	NONE DETECTED	Fibrous Glass
	White wrap	NONE DETECTED	Cellulose
02A	Black block heat exchanger insulation, hot water tank #1	NONE DETECTED	Opagues
	White wrap	NONE DETECTED	Cellulose

THE ANALYSIS USES POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING FOLLOWING E.P.A. METHOD 600/R-93/116. NON-FRIABLE MATERIALS WERE ANALYZED APPLYING THE SAME METHOD. THE LOWER DETECTION LIMIT IS <1 % WITH THE PROVISO THAT PLM MAY NOT DETECT FIBERS <0.25 MICRONS IN DIAMETER THAT MAY BE PRESENT IN SAMPLES SUCH AS FLOOR TILES. IN ACCORDANCE WITH TITLE 22, CCR, SECTION 66261.24(a)(2)(A), THE MCL IS 1%. SAMPLES WERE NOT COLLECTED BY ASBESTECH. THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL WITHOUT THE APPROVAL OF ASBESTECH. THIS REPORT RELATES ONLY TO THE ITEMS TESTED. THIS REPORT MUST NOT BE USED TO CLAIM PRODUCT ENDORSEMENT BY N.V.L.A.P. OR ANY AGENCY OF THE U.S. GOVERNMENT. ASBESTECH ACCEPTS TECHNICAL RESPONSIBILITY FOR THIS REPORT AND DATE OF ISSUE.

ASBESTECH
6825 Fair Oaks Blvd., Suite 103
Carmichael, California 95608
Tel.(916) 481-8902 Fax (916) 481-3975

Client:
Entek Consulting Group, Inc.
4200 Rocklin Rd., Suite 7
Rocklin, CA 95677

Job:
15-3790 UCDCM G670 Tank Leak
University Tower Room 0670
Sacramento, Ca

BULK ASBESTOS ANALYSIS REPORT

LAB JOB # 62576-2
Date/Time Collected: 12/15/15
Date Received: 12/16/15

NVLAP Lab Code 101442-0
CDPH # 1153
Date Analyzed: 12/17/15

<i>Sample No.</i>	<i>Color/Description</i>	<i>% Type Asbestos</i>	<i>Other Materials</i>
ECG-15-3790-03A	White block insulation over fiberglass , hot water tank #2	NONE DETECTED	Fibrous Glass Calcite
	White wrap	NONE DETECTED	Cellulose
03B	White block insulation over fiberglass , hot water tank #2	NONE DETECTED	Fibrous Glass Calcite
	Yellow insulation	NONE DETECTED	Fibrous Glass
	White wrap	NONE DETECTED	Cellulose
03C	White block insulation over fiberglass , hot water tank #2	NONE DETECTED	Fibrous Glass Calcite
	Yellow insulation	NONE DETECTED	Fibrous Glass
	White wrap	NONE DETECTED	Cellulose
03D	White block insulation, hot water tank #2 transition at base of tank	NONE DETECTED	Fibrous Glass Calcite
	White wrap	NONE DETECTED	Cellulose
04A	Black heat exchanger insulation , hot water tank #2	NONE DETECTED	Opagues
	White wrap	NONE DETECTED	Cellulose

THE ANALYSIS USES POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING FOLLOWING E.P.A. METHOD 600/R-93/116. NON-FRIABLE MATERIALS WERE ANALYZED APPLYING THE SAME METHOD. THE LOWER DETECTION LIMIT IS <1 % WITH THE PROVISIO THAT PLM MAY NOT DETECT FIBERS <0.25 MICRONS IN DIAMETER THAT MAY BE PRESENT IN SAMPLES SUCH AS FLOOR TILES. IN ACCORDANCE WITH TITLE 22, CCR, SECTION 66261.24(a)(2)(A), THE MCL IS 1%. SAMPLES WERE NOT COLLECTED BY ASBESTECH. THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL WITHOUT THE APPROVAL OF ASBESTECH. THIS REPORT RELATES ONLY TO THE ITEMS TESTED. THIS REPORT MUST NOT BE USED TO CLAIM PRODUCT ENDORSEMENT BY N.V.L.A.P. OR ANY AGENCY OF THE U.S. GOVERNMENT. ASBESTECH ACCEPTS TECHNICAL RESPONSIBILITY FOR THIS REPORT AND DATE OF ISSUE.

ASBESTECH
6825 Fair Oaks Blvd., Suite 103
Carmichael, California 95608
Tel.(916) 481-8902 Fax (916) 481-3975

Client:
Entek Consulting Group, Inc.
4200 Rocklin Rd., Suite 7
Rocklin, CA 95677

Job:
15-3790 UCDCM G670 Tank Leak
University Tower Room 0670
Sacramento, Ca

BULK ASBESTOS ANALYSIS REPORT

LAB JOB # 62576-3
Date/Time Collected: 12/15/15
Date Received: 12/16/15

NVLAP Lab Code 101442-0
CDPH # 1153
Date Analyzed: 12/17/15

<i>Sample No.</i>	<i>Color/Description</i>	<i>% Type Asbestos</i>	<i>Other Materials</i>
ECG-15-3790-05A	White boiler flue block insulation, at exposed end	NONE DETECTED	Granular Mins. Synthetics
	Gray insulation	NONE DETECTED	Gypsum Cellulose
	White wrap	NONE DETECTED	Cellulose
05B	White boiler flue block insulation, at exposed end	NONE DETECTED	Granular Mins. Synthetics
	Gray insulation	NONE DETECTED	Gypsum Cellulose
05C	White boiler flue block insulation, at vertical riser	NONE DETECTED	Granular Mins. Synthetics
	Gray insulation	NONE DETECTED	Gypsum Cellulose
	White wrap	NONE DETECTED	Cellulose
05D	White boiler flue block insulation, at horizontal run towards vertical riser	NONE DETECTED	Granular Mins. Synthetics
	Gray insulation	NONE DETECTED	Gypsum Cellulose
	White wrap	NONE DETECTED	Cellulose

THE ANALYSIS USES POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING FOLLOWING E.P.A. METHOD 600/R-93/116. NON-FRIABLE MATERIALS WERE ANALYZED APPLYING THE SAME METHOD. THE LOWER DETECTION LIMIT IS <1 % WITH THE PROVISIO THAT PLM MAY NOT DETECT FIBERS <0.25 MICRONS IN DIAMETER THAT MAY BE PRESENT IN SAMPLES SUCH AS FLOOR TILES. IN ACCORDANCE WITH TITLE 22, CCR, SECTION 66261.24(a)(2)(A), THE MCL IS 1%. SAMPLES WERE NOT COLLECTED BY ASBESTECH. THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL WITHOUT THE APPROVAL OF ASBESTECH. THIS REPORT RELATES ONLY TO THE ITEMS TESTED. THIS REPORT MUST NOT BE USED TO CLAIM PRODUCT ENDORSEMENT BY N.V.L.A.P. OR ANY AGENCY OF THE U.S. GOVERNMENT. ASBESTECH ACCEPTS TECHNICAL RESPONSIBILITY FOR THIS REPORT AND DATE OF ISSUE.



62576

BULK ASBESTOS MATERIAL *Analysis Request Form for*
ENTEK CONSULTING GROUP, INC.

4200 ROCKLIN ROAD, SUITE 7
 ROCKLIN, CA 95677
 (916) 632-6800
 (916) 632-6812 FAX
mainoffice@entekgroup.com

Date of Sampling: 12-15-15

Lab: Asbestech

Job Number: 15-3790 - G670 Tank Leak

Turnaround Time: Standard

Client Name: UC Davis Medical Center

Collected by: Rick Beall

Site Address: University Tower, Room 0670
 2315 Stockton Blvd.
 Sacramento, CA 95817

ANALYSIS REQUESTED: Asbestos by PLM with
 Dispersion Staining

Special Instruction:

Stop Analysis upon first positive result (>1%) for sample in a series. Also stop analysis upon first positive result (>1%) in the joint compound for sample series.

Please e-mail results as soon as available and include copy of submittal with those results.

SAMPLE #	MATERIAL DESCRIPTION/LOCATION
ECG-15-3790-01A	Hot Water Tank #1 - Block Insulation
ECG-15-3790-01B	Hot Water Tank #1 - Block Insulation
ECG-15-3790-01C	Hot Water Tank #1 - Block Insulation
ECG-15-3790-01D	Hot Water Tank #1 - Block Insulation Transition at Base of Tank
ECG-15-3790-02A	Hot Water Tank #1 - Block Insulation Heat Exchanger Insulation Black Colored
ECG-15-3790-03A	Hot Water Tank #2 - Block Insulation White Insulation Over Fiberglass
ECG-15-3790-03B	Hot Water Tank #2 - Block Insulation White Insulation Over Fiberglass
ECG-15-3790-03C	Hot Water Tank #2 - Block Insulation White Insulation Over Fiberglass
ECG-15-3790-03D	Hot Water Tank #2 - Block Insulation Transition at Base of Tank

Delivered by:
Date:

12/16/15

Time:

3:42 AM/PM

Received by:
Date:

12/16/15

Time:

3:42 AM/PM



62576

BULK ASBESTOS MATERIAL *Analysis Request Form for*
ENTEK CONSULTING GROUP, INC.

4200 ROCKLIN ROAD, SUITE 7
 ROCKLIN, CA 95677
 (916) 632-6800
 (916) 632-6812 FAX
mainoffice@entekgroup.com

Date of Sampling: 12-15-15

Lab: Asbestech

Job Number: 15-3790 - G670 Tank Leak

Turnaround Time: Standard

Client Name: UC Davis Medical Center

Collected by: Rick Beall

Site Address: University Tower, Room 0670
 2315 Stockton Blvd.
 Sacramento, CA 95817

ANALYSIS REQUESTED: Asbestos by PLM with
 Dispersion Staining

Special Instruction:

Stop Analysis upon first positive result (>1%) for sample in a series. Also stop analysis upon first positive result (>1%) in the joint compound for sample series.

Please e-mail results as soon as available and include copy of submittal with those results.

SAMPLE #	MATERIAL DESCRIPTION/LOCATION
ECG-15-3790-04A	Hot Water Tank #2 - Heat Exchanger Insulation Black Colored
ECG-15-3790-05A	Boiler Flue Block Insulation - At Exposed End
ECG-15-3790-05B	Boiler Flue Block Insulation - At Exposed End
ECG-15-3790-05C	Boiler Flue Block Insulation - At Vertical Riser
ECG-15-3790-05D	Boiler Flue Block Insulation - At Horizontal Run Towards Vertical Riser

Z:\Clients\UCDMC\15-3790 University Tower - G670 Tank Leak - Asb Bulk Sampling\Bulk Sample Asb\Bulk Request 12-15-15.wpd

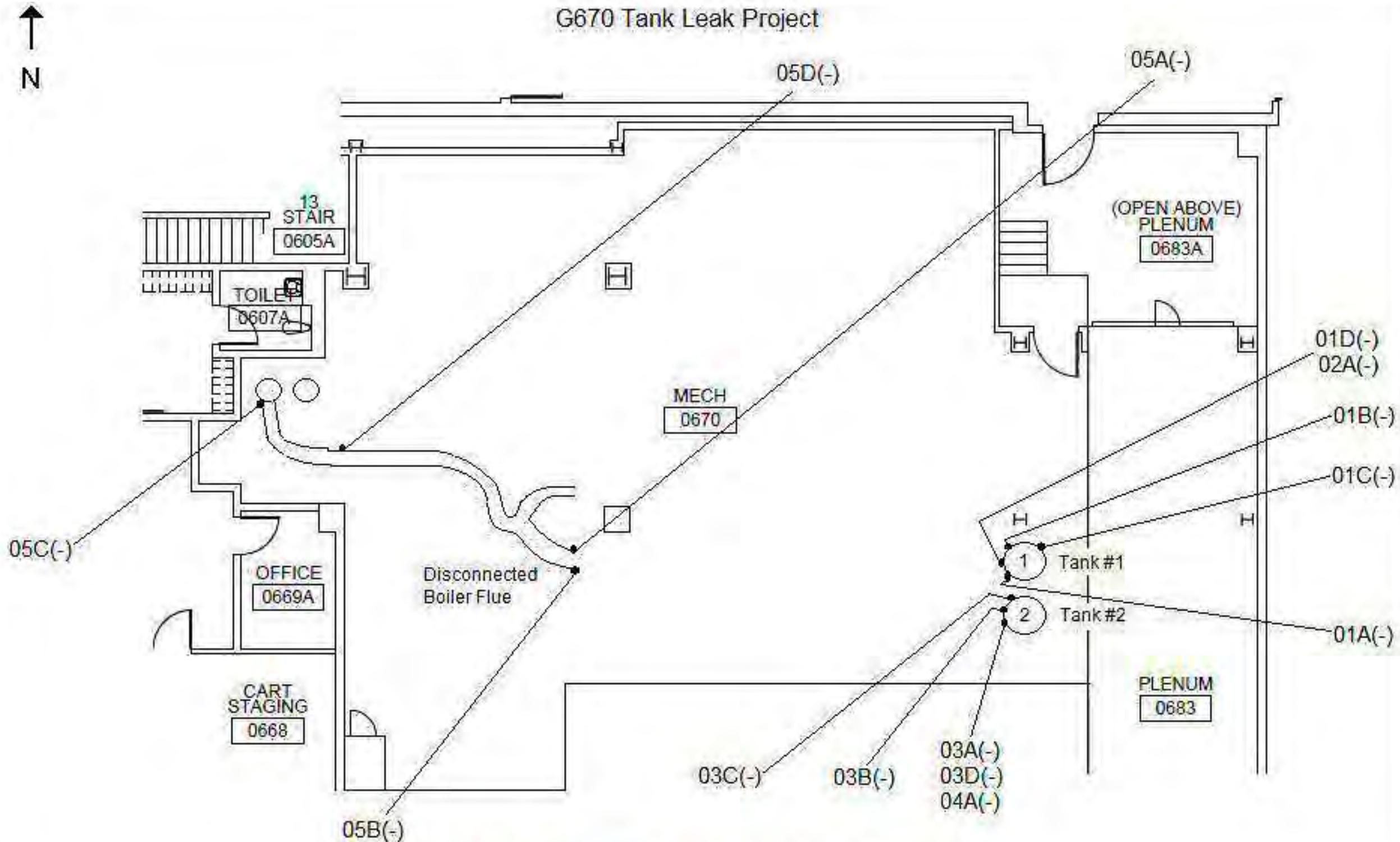
Delivered by:
Date: 12/16/15

Time: 3:42 AM/PM

Received by:
Date: 12/16/15

Time: 3:42 AM/PM

G670 Tank Leak Project



Sample Numbers are Preceded by ECG-15-3790

UCDMC
 University Tower, Room 0670
 2315 Stockton Blvd.
 Sacramento, CA 95817

Entek Consulting Group, Inc.
 4200 Rocklin Road, Suite 7
 Rocklin, California 95677
 Map Not to Scale

Asbestos Bulk Sample Locations
 Collected by Rick Beall
 on December 15, 2015
 Project Number 15-3790

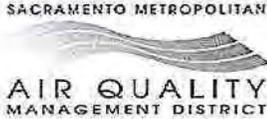


Asbestos Survey Form

(See Instructions)

777 12th Street, 3rd Floor
 Sacramento, CA 95814
 Office (916) 874-4800
 Fax (916) 874-4899
 Email: asbestos@airquality.org

1. Purpose of Survey		<input checked="" type="checkbox"/> Renovation		<input type="checkbox"/> Demolition		
2. Facility Information						
Project Area(s) Description University Tower, UC Davis Medical Center, Room 0670						
Address 2315 Stockton Blvd.			City Sacramento		# of Structures 1	
3. Owner Information						
Name UC Davis Medical Center						
Address 4800 2 nd Avenue, Suite 15			City/State Sacramento, CA		Zip 95817	
Contact Corey Nommensen	Phone 916 734-2872	Fax 916 734-3085	Email cmnommensen@ucdavis.edu			
4. Consultant Information		Survey Date(s): 12-15-15				
Company Name Entek Consulting Group, Inc.						
Name Rick Beall				BOSH # 92-0032		
Address 4200 Rocklin Road, Suite 7		City/State Rocklin, California		Zip 95677		
Phone (916) 632-6800	Fax (916) 623-6812	Email Rbeall@entekgroup.com		Signature 		
5. Client Information (If different than owner)		<input type="checkbox"/> General Contractor		<input type="checkbox"/> Insurance Company		
<input type="checkbox"/> Architect		<input type="checkbox"/> Property Manager		<input type="checkbox"/> Other _____		
Name						
Address			City/State		Zip	
Contact	Phone	Fax	Email			
6. Have all of the suspect materials that will be disturbed been sampled?					<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
If no, explain why:						
7. Summary of Total Asbestos Containing Material (ACM) Findings						
Regulated Asbestos Containing Material (RACM) (Includes materials subject to known mechanical removal and fire damaged materials)			Category II		Category I	
Square Ft.	Linear Ft.	Cubic Ft.	Square Ft.	Linear Ft.	Square Ft.	Linear Ft.
0	0	0	0	0	0	0
To receive future SMAQMD Rule updates and changes affecting your industry (check one box):						
<input type="checkbox"/> Please send e-mail notices to			<input type="checkbox"/> I will sign up myself at www.airquality.org/listserve/ to receive emailed notices.			
<input checked="" type="checkbox"/> I am already subscribed.		<input type="checkbox"/> I want the District to mail notices to the address on this application:		<input type="checkbox"/> Owner <input type="checkbox"/> Consultant		



Asbestos Renovation/Demolition Notification Form

777 12th Street, 3rd Floor
Sacramento, CA 95814
Office (916) 874-4800
Fax (916) 874-4899
Asbestos@airquality.org

1	<input checked="" type="checkbox"/> Renovation (Do not complete items 5 or 6) <input type="checkbox"/> Demolition (Complete all sections)	<input type="checkbox"/> Ordered Demolition (Complete all sections) <input type="checkbox"/> Emergency Demolition (Complete all sections)
----------	--	--

2	Contractor	Owner UCDAVIS MEDICAL CENTER
	Address	Address 4200 2ND AVENUE, SUITE 1500
	City State/ Zip	City State/ Zip SACRAMENTO, CA 95817
	Email	Email cmnommensen@ucdavis.edu
	Telephone	Telephone 916-734-2872

3	Structure Name UC DAVIS MEDICAL CENTER	Renovation Area University Tower, Room 0670, G670 TANK LEAK	# of Floors 8
	Address 2315 STOCKTON BLVD	City/ Zip STOCKTON, 95817	Year Built 1982

4	Preference for return of form	<input type="checkbox"/> E-mail (see instructions)	US Mail : <input type="checkbox"/> Contractor <input type="checkbox"/> Owner	<input type="checkbox"/> Pick up (after two working days)
----------	-------------------------------	--	---	---

SECTIONS 5&6 - DEMOLITIONS ONLY-NOTE: Start date must be at least 10 working days from the day of your postmark or hand delivery of this form to SMAQMD

5	Start Date: _____/_____/_____	Completion Date: _____/_____/_____	Emergency Demo # _____
----------	-------------------------------	------------------------------------	------------------------

6	Revision # 1 2 3 4 5 6 7 8 9 (circle)	
	Old Start Date _____/_____/_____	New Start Date _____/_____/_____
	Old Completion Date _____/_____/_____	New Completion Date _____/_____/_____
	Method of Demo:	
Procedure to be followed if RACM is found or Category II material becomes friable:		

SECTION 7 - Attach completed Asbestos Survey Form and Consultant's report or have DOSH Consultant complete section 7

7	Company Name ENTEK CONSULTING GROUP, INC.	Telephone 916-632-6800	
	Surveyor's Name Rick Beall	DOSH # 92-0032	
	Analytical Procedure PLM by Dispersion Staining	Survey Date 12-15-15	
	Amount of RACM Square Feet 0	Linear Feet 0	Cubic Feet 0
	Amount of Category I 0	Amount of Category II 0	
	Project Address 2315 STOCKTON BLVD	City SACRAMENTO	Zip 95817
	Suspect Materials Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Consultant's Signature <i>Rick Beall</i>	

I have read and understand the directions. The information on this form is true and accurate.

8	I certify that the asbestos survey conducted on _____ (date) represents the facility as built. _____ (initial)	
	Applicant Name (Print)	<input type="checkbox"/> Owner <input type="checkbox"/> Rep / Agent <input type="checkbox"/> Contractor
	Phone Number	Permit shall not be issued prior to:
	Applicant's Signature	

SMAQMD USE ONLY:

Project # _____	Received Date/ Postmark _____	Date Form Returned _____	Initial _____
Check # _____	Receipt # _____	Amount Paid _____	Staff _____ Date Approved _____

United States Department of Commerce
National Institute of Standards and Technology



Certificate of Accreditation to ISO/IEC 17025:2005

NVLAP LAB CODE: 101442-0

ASBESTECH
Carmichael, CA

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

BULK ASBESTOS FIBER ANALYSIS

*This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005.
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality
management system (refer to joint ISO-ILAC-IAF Communiqué dated January 2009).*

2015-07-01 through 2016-06-30

Effective dates



A handwritten signature in black ink, appearing to read 'William R. Mallon'.

For the National Institute of Standards and Technology



**National Voluntary
Laboratory Accreditation Program**



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

ASBESTECH

6825 Fair Oaks Blvd., Suite 103

Carmichael, CA 95608

Mr. Tommy Conlon

Phone: 916-481-8902 Fax: 916-481-3975

E-Mail: asbestech@sbcglobal.net

URL: <http://www.asbestechlab.com>

BULK ASBESTOS FIBER ANALYSIS (PLM)

NVLAP LAB CODE 101442-0

NVLAP Code Designation / Description

18/A01 EPA 600/M4-82-020: Interim Method for 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

2015-07-01 through 2016-06-30

Effective dates

For the National Institute of Standards and Technology

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



Richard A Beall

Name

Certification No. **92-0032**

Expires on **07/07/16**

This certification was issued by the Division of Occupational Safety and Health as authorized by Sections 7182 et seq. of the Business and Professions Code.



State of California Department of Public Health

Lead-Related
Construction
Certificate

Certificate
Type

Expiration
Date

Inspector/Assessor	04/19/2016
Project Designer	04/19/2016
Project Monitor	04/19/2016



Richard A. Beall

ID #: **769**





ENTEK CONSULTING GROUP, INC.

4200 Rocklin Road, Suite 7, Rocklin, CA 95677 Telephone (916) 632-6800 Fax (916) 632-6812 www.entekgroup.com

September 23, 2014

Mr. Charles Witcher
Manager of Plant Operations & Maintenance
UC Davis Health System
Support Facilities Building
4800 2nd Avenue, Suite 1500
Sacramento, California 95817

Re: Bulk Sample Results for Ceiling Materials, UCDMC, University Tower, 1st Floor Lobby,
Sacramento, California

Dear Mr. Witcher:

This report provides results of the bulk sampling for asbestos conducted by Entek Consulting Group, Inc. (Entek), on September 18, 2014. The sampling was performed at your request and included collection of spray applied acoustic ceiling material and drywall and joint compound in the 1st Floor Lobby of the University Tower at the University of California Davis Medical Center (UCDMC), 4800 2nd Avenue, Sacramento, California.

Asbestos Bulk Sampling Results

Five (5) bulk samples of spray applied acoustic ceiling material and two (2) bulk samples of drywall and joint compound were collected during this inspection for asbestos evaluation. The samples were hand delivered to Asbestech Laboratory located in Carmichael, California, for analysis by Polarized Light Microscopy (PLM) with dispersion staining. Asbestech is accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) to perform this analysis. All samples analyzed were determined **not to** contain asbestos. The table below lists the laboratory results. Please refer to the attached laboratory analysis report and sample locations map for more detailed information and approximate locations where the bulk samples were collected. Copies of Asbestech's laboratory report and accreditations are also attached.

Suspect Materials Found NOT TO Contain Asbestos UCDMC, University Tower, 1 st Floor Lobby				
Sample ID#'s	Suspect Material	EPA AHERA "Suspected" ACBM	Asbestos Content	Location
ECG-14-3259-01A-E	White Spray Applied Acoustic Ceiling	Surfacing	None Detected	UCDMC, University Tower, 1 st Floor Lobby - Ceiling
ECG-14-3259-02A-B	Drywall & Joint Compound	Miscellaneous	None Detected	UCDMC, University Tower, 1 st Floor Lobby - Ceiling

Since none of the materials collected during this inspection were found to contain asbestos, US EPA asbestos regulations nor Cal/OSHA asbestos regulations apply when disturbing these specific materials. If suspect materials are discovered other than those discussed in this report, the newly discovered materials must be assumed to contain asbestos until proper sampling and laboratory analysis determine otherwise.



Mr. Charles Witcher
UCDMC
September 23, 2014
Page Two

The results of this inspection are consistent with previous inspections of the University Tower which have indicated most interior finishes to be non-asbestos containing. However, asbestos has been found in flooring mastics and roofing materials on past inspections of the University Tower. These findings are consistent with the 1982 construction date of the University Tower.

Limitations

Entek limited this inspection to only the spray applied acoustic ceiling material and drywall and joint compound found on the ceiling of the 1st First Lobby associated with the University Tower.

Entek did not perform any destructive sampling to look into ceiling and wall cavities. As a result, it may be possible for materials to be hidden in these areas which are not included in this report. Entek also did not employ any destructive measures on floors of interior spaces or exterior areas covered with asphalt, concrete, or dirt.

If any new materials not listed as having been sampled, or listed as assumed for containing asbestos in this report are discovered, the new material must be assumed to contain asbestos until properly inspected and tested for asbestos content.

Entek's policy is to retain a full copy of these written documents for three (3) years once the file is closed and final billed. At the end of the three (3) year period the written files will be destroyed without further notice. It is suggested copies of the file(s) are maintained as per UCDMC's policy.

In an effort to help our environment, Entek has adopted a green policy and will be providing only this electronic copy of the report and its attachments for your use. However, if you would like a hard copy of this report please do not hesitate to ask. Entek will be happy to mail the report upon receipt of your request.

Thank you for choosing Entek for this project, we appreciate your business. If you have any questions regarding this report, please email me at csanders@entekgroup.com or call at (916) 632-6800.

Sincerely,

A handwritten signature in blue ink, appearing to read "Cory Sanders".

Cory Sanders
Project Manager
DOSH CAC #03-3332

Enclosures

ASBESTECH
 6825 Fair Oaks Blvd., Suite 103
 Carmichael, California 95608
 Tel.(916) 481-8902 Fax (916) 481-3975

Client:
 Entek Consulting Group, Inc.
 4200 Rocklin Rd., Suite 7
 Rocklin, CA 95677

Job:
 14-3259 UCDCMC
 University Tower Lobby

BULK ASBESTOS ANALYSIS REPORT

LAB JOB # 61041
 Date/Time Collected: 9/18/14
 Date Received: 9/18/14

NVLAP Lab Code 101442-0
 DOHS # 1153
 Date Analyzed: 9/18/14

<i>Sample No.</i>	<i>Color/Description</i>	<i>% Type Asbestos</i>	<i>Other Materials</i>
ECG-14-3259-01A	White spray on acoustic ceiling, University Tower lobby by elevator	NONE DETECTED	Calcite Polyethylene
01B	White spray on acoustic ceiling, University Tower lobby by pay phone	NONE DETECTED	Calcite Polyethylene
01C	White spray on acoustic ceiling, University Tower lobby by coffee bar	NONE DETECTED	Calcite Polyethylene
01D	White spray on acoustic ceiling, University Tower lobby by info desk	NONE DETECTED	Calcite Polyethylene
01E	White spray on acoustic ceiling, University Tower lobby at entry	NONE DETECTED	Calcite Polyethylene
02A	White drywall, University Tower lobby west soffit	NONE DETECTED	Gypsum Fibrous Glass
	White joint compound 1	NONE DETECTED	Granular Mins.
	White joint compound 2	NONE DETECTED	Granular Mins.
02B	White joint compound, University Tower lobby SW corner	NONE DETECTED	Granular Mins.

THE ANALYSIS USES POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING FOLLOWING E.P.A. METHOD 600/R-93/116. NON-FRIABLE MATERIALS WERE ANALYZED APPLYING THE SAME METHOD. THE LOWER DETECTION LIMIT IS <1 % WITH THE PROVISIO THAT PLM MAY NOT DETECT FIBERS <0.25 MICRONS IN DIAMETER THAT MAY BE PRESENT IN SAMPLES SUCH AS FLOOR TILES. IN ACCORDANCE WITH TITLE 22, CCR, SECTION 66261.24(a)(2)(A), THE MCL IS 1 %. SAMPLES WERE NOT COLLECTED BY ASBESTECH. THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL WITHOUT THE APPROVAL OF ASBESTECH. THIS REPORT RELATES ONLY TO THE ITEMS TESTED. THIS REPORT MUST NOT BE USED TO CLAIM PRODUCT ENDORSEMENT BY N.V.L.A.P. OR ANY AGENCY OF THE U.S. GOVERNMENT. ASBESTECH ACCEPTS TECHNICAL RESPONSIBILITY FOR THIS REPORT AND DATE OF ISSUE.

BULK SAMPLE - ANALYSIS REQUEST

61041

P.O. NUMBER



ASBESTECH
 6825 FAIR OAKS BLVD., STE 103
 CARMICHAEL, CA 95608

TEL. (916) 481-8902

FAX (916) 481-3975

NAME OF COMPANY <i>Entek</i>	SAMPLE COLLECTED BY <i>Cory Sanders</i>	DATE COLLECTED <i>9-18-14</i>
MAILING ADDRESS <i>4200 Rocklin Rd #7 Rocklin, CA 95677</i>	SPECIAL INSTRUCTIONS/TURNAROUND TIME <i>9-18-14 ASAP - Call Cory stop at 1st (X)</i>	
	JOB ID#: <i>14-3259 UC DMC</i>	
TELEPHONE NO: <i>916-632-6800</i>	JOB SITE: <i>University Tower Lobby</i>	

PLM ASBESTOS POINT COUNT CARB 435 TEM ASBESTOS AA LEAD PAINT AA LEAD SOIL/TTLIC LEAD STLC LEAD TCLP

SAMPLE NUMBER	SAMPLE DESCRIPTION	SAMPLE LOCATION
<i>01A</i>	<i>Spray on Acoustic Ceiling</i>	<i>University Tower Lobby, By Elevator</i>
<i>01B</i>	<i>Spray on Acoustic Ceiling</i>	<i>University Tower Lobby, By Pay Phone</i>
<i>01C</i>	<i>Spray on Acoustic Ceiling</i>	<i>University Tower Lobby, By Coffee BAR</i>
<i>01D</i>	<i>Spray on Acoustic Ceiling</i>	<i>University Tower Lobby, By info Desk</i>
<i>01E</i>	<i>Spray on Acoustic Ceiling</i>	<i>University Tower Lobby, AT Entry</i>
<i>02A</i>	<i>Drywall & Joint Compound</i>	<i>University Tower Lobby, West Soffit</i>
<i>02B</i>	<i>Drywall & Joint Compound</i>	<i>University Tower Lobby, SW Corner</i>

CHAIN OF CUSTODY

RELINQUISHED BY: <i>[Signature]</i>	RELINQUISHED BY: _____	RELINQUISHED BY: _____
DATE/TIME: <i>9/18/14 10:20 AM</i>	DATE/TIME: _____	DATE/TIME: _____
RECEIVED BY: <i>[Signature]</i>	RECEIVED BY: _____	RECEIVED BY: _____
DATE/TIME: <i>9-18-14</i>	DATE/TIME: _____	DATE/TIME: _____

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

Cory R Sanders



Name

Certification No. **03-3332**

Expires on **04/23/15**

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.

United States Department of Commerce
National Institute of Standards and Technology



Certificate of Accreditation to ISO/IEC 17025:2005

NVLAP LAB CODE: 101442-0

ASBESTECH
Carmichael, CA

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

BULK ASBESTOS FIBER ANALYSIS

*This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005.
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).*

2014-07-01 through 2015-06-30

Effective dates



A handwritten signature in black ink, appearing to read "William R. Mallory".

For the National Institute of Standards and Technology



National Voluntary Laboratory Accreditation Program



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

ASBESTECH

6825 Fair Oaks Blvd., Suite 103
Carmichael, CA 95608
Mr. Tommy Conlon
Phone: 916-481-8902 Fax: 916-481-3975
E-Mail: asbestech@sbcglobal.net
URL: <http://www.asbestechlab.com>

BULK ASBESTOS FIBER ANALYSIS (PLM)

NVLAP LAB CODE 101442-0

<i>NVLAP Code</i>	<i>Designation / Description</i>
18/A01	EPA 600/M4-82-020: Interim Method for 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

2014-07-01 through 2015-06-30

Effective dates

For the National Institute of Standards and Technology



**CALIFORNIA DEPARTMENT OF PUBLIC HEALTH
ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM
Accredited Fields of Testing**



Asbestech

6825 Fair Oaks Boulevard, Suite 103
Carmichael, CA 95608
Phone: (916) 481-8902

Certificate No.: 1153
Renew Date: 3/31/2016

Field of Testing: 114 - Inorganic Chemistry of Hazardous Waste

114.130	001	Lead	EPA 7420
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Field of Testing: 115 - Extraction Test of Hazardous Waste

115.021	001	TCLP Inorganics	EPA 1311
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115.030	001	Waste Extraction Test (WET)	CCR Chapter11, Article 5, Appendix II
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Field of Testing: 121 - Bulk Asbestos Analysis of Hazardous Waste

121.010	001	Bulk Asbestos	EPA 600/M4-82-020
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Lead Testing Data Sheet (OSHA)

Entek Project # 10-1768

Niton: XLP-300 Lead Analyzer

Date: November 1, 2010

Address: 2315 Stockton Blvd.
Sacramento, CA 95817

XRF Serial No.: 24015

Source No.: TR0791

Room Equivalent: University Tower 2nd Floor

Inspector(s): Jack DeLay & Blake Howes (Scribe)

Component	Substrate	Color	Test Locations	XRF Reading (mg/cm ²)
Wall	Drywall	White	Office 2614D at East Wall	0.00
Wall	Wallpaper	Grey/White	Office 2614D at South Wall	0.00
Doorframe	Metal	White	Office 2614D at Entry Door	0.02
Doorframe	Metal	Brown	Office 2614D at Entry Door	0.02
Door	Formica	Mustard	Office 2614D at Entry Door	0.00
Wall	Drywall	White	Office 2614D at Exterior East Wall	0.00
Wall	4" Ceramic Tile	Tan	Toilet 2612 at North Wall	0.02
Wall	Wallpaper over drywall	White	Patient Holding 2638 at West End of North Wall	0.00
Wall	Drywall	White	Patient Storage 2639 at East Wall	0.00
Wall	Drywall	Tan	Patient Storage 2639 at East Wall	0.00
Ceiling	Drywall	White	Patient Storage 2639 at Ceiling	0.00
Ceiling	Drywall	Tan	Patient Storage 2639 at Ceiling	0.00
Doorframe	Metal	White	Patient Storage 2639 at Entry Door	0.12
Ceiling	Drywall	White	OR12 Room 2643 at Ceiling at Surgery Lights	0.00
Ceiling	Drywall	White	OR17 Room 2684 at Ceiling at Surgery Lights	0.00
Ceiling	Drywall	White	OR16 Room 2687 at Ceiling at Surgery Lights	0.00

Z:\Clients\UCDMC\10-1768 East Wing 2nd Floor OR Renovation\Lead Forms 1-4-10\LeadTestData Sheet.OSHA.wpd

All XRF Readings ≥ 1.0 mg/cm² = Lead Based Paint (LBP)All XRF Readings < 1.0 mg/cm² = Lead Containing Coating (LCC)

Lead Testing Data Sheet (OSHA)

Entek Project # 10-1768

Niton: XLP-300 Lead Analyzer

Date: November 1, 2010

Address: 2315 Stockton Blvd.
Sacramento, CA 95817

XRF Serial No.: 24015

Source No.: TR0791

Room Equivalent: University Tower 2nd Floor

Inspector(s): Jack DeLay & Blake Howes (Scribe)

Component	Substrate	Color	Test Locations	XRF Reading (mg/cm ²)
Ceiling	Drywall	White	OR11 Room 2645 at Ceiling at Surgery Lights	0.00
Wall	Drywall	White	Sterile Supplies Room 2117B at South Wall Behind Door	0.00

All XRF Readings ≥ 1.0 mg/cm² = Lead Based Paint (LBP)All XRF Readings < 1.0 mg/cm² = Lead Containing Coating (LCC)



ENTEK CONSULTING GROUP, INC.

4200 Rocklin Road, Suite 7 Rocklin, CA 95677 Telephone (916) 632-6800

Fax (916) 632-6812

September 2, 2011

Mr. Anthony Chung-Yee
Project Manager
Facilities Design and Construction
UC Davis Medical Center
4800 2nd Avenue, Suite 3010
Sacramento, CA 95817

Re: Asbestos Bulk Sample Report at UC Davis Medical Center; NICU-I/NICU-II; Bulk Sample of Debris

Dear Mr. Chung-Yee:

This report presents results of the bulk sample analysis for asbestos on September 1, 2011. Mr. Charles Pullen of UCDMC toured the ongoing renovations at University Tower, Second Floor, at NICU-I/NICU-II. He discovered debris that was generated by demolition of light fixtures within the space, by American River Construction. He was concerned as this material had not been previously tested for the presence of asbestos. Mr. Pullen collected a bulk sample of the material in question. This material is reportedly a hand packed pink colored sealant around light fixtures within the area currently under renovation. Mr. Pullen then requested that I pick up the sample to have it tested for asbestos. After a brief discussion with him regarding the sampling location and the events surrounding his concern, I packaged the sample and assigned it a unique sample identification number. The sample was delivered to Asbestech laboratory of Carmichael, CA, with a "RUSH" turn around analysis requested.

The sample location is indicated on the "Bulk Asbestos Material Analysis Request Form for Entek", which served as the chain of custody for the sample. Asbestech is accredited by NVLAP for PLM analysis. The sample was analyzed using the Polarized Light Microscopy (PLM) method. Copies of the Asbestech laboratory reports and accreditations are attached.

Results of Testing

No asbestos was detected in the bulk sample collected from the debris generated by light fixture demolition. Based on this knowledge, no further action needs to be taken. This sample confirms results of analysis of a bulk sample (ECG-11-1981-03A) collected by Entek on July 20, 2011 which also found the material to not contain asbestos.

Thank you for choosing Entek for your environmental needs. Please call me at (916) 632-6800 if you have any questions regarding this report.

Sincerely,

Jack DeLay
Project Manager
CAC 98-2419

Enclosures

Z:\Clients\UCDMC\11-1981 University Tower 2nd & 5th Floors VFT & Mastic Removal\Project Reports and Letters\Asbestos Bulk Sample Report 09-01-11.wpd

ASBESTECH
6825 Fair Oaks Blvd., Suite 103
Carmichael, California 95608
Tel.(916) 481-8902 Fax (916) 481-3975

Client:
Entek Consulting Group, Inc.
4200 Rocklin Rd., Suite 7
Rocklin, CA 95677

Job:
11-1981 UCDCM
University Tower 2nd Floor
Sacramento, Ca

BULK ASBESTOS ANALYSIS REPORT

LAB JOB # 57039
Date/Time Collected: 9/1/11
Date Received: 9/1/11

NVLAP # 101442
DOHS # 1153
Date Analyzed: 9/1/11

<i>Sample No.</i>	<i>Color/Description</i>	<i>% Type Asbestos</i>	<i>Other Materials</i>
ECG-11-1981-11A	Pink hand packed light sealant, debris pile at south side of NICU-I/ NICU-II	NONE DETECTED	Gypsum Granular Mins. Fibrous Glass

THE ANALYSIS USES POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING FOLLOWING E.P.A. METHOD 600/R-93/116. NON-FRIABLE MATERIALS WERE ANALYZED APPLYING THE SAME METHOD. THE LOWER DETECTION LIMIT IS <1 % WITH THE PROVISO THAT PLM MAY NOT DETECT FIBERS <0.25 MICRONS IN DIAMETER THAT MAY BE PRESENT IN SAMPLES SUCH AS FLOOR TILES. IN ACCORDANCE WITH TITLE 22, CCR, SECTION 66261.24(a)(2)(A),THE MCL IS 1 %. SAMPLES WERE NOT COLLECTED BY ASBESTECH. THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL WITHOUT THE APPROVAL OF ASBESTECH. THIS REPORT RELATES ONLY TO THE ITEMS TESTED. THIS REPORT MUST NOT BE USED TO CLAIM PRODUCT ENDORSEMENT BY N.V.L.A.P. OR ANY AGENCY OF THE U.S. GOVERNMENT. ASBESTECH ACCEPTS TECHNICAL RESPONSIBILITY FOR THIS REPORT AND DATE OF ISSUE.

BULK ASBESTOS MATERIAL Analysis Request Form for **Entek Consulting Group, Inc.**

4200 ROCKLIN ROAD, STE. 7
ROCKLIN, CA 95677
(916) 632-6800
FAX (916) 632-6812

Date of Sampling: September 1, 2011

Lab: Asbestech

Job Number: 11-1981

Turnaround Time: RUSH - ASAP

Client Name: University California Davis Medical Center

Collected by: Jack DeLay

Site Address: University Tower
Second Floor
Sacramento, CA 95817

ANALYSIS REQUESTED: Asbestos by PLM with
Dispersion Staining

Special Instruction:

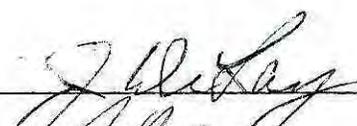
Stop Analysis upon first positive result (>1%) for sample in a series.

Please call Jack at (916) 417-4740 with verbal results as soon as available

Please e-mail results as soon as available and include copy of submittal with those results.

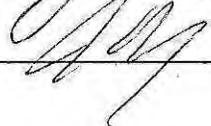
SAMPLE #	MATERIAL DESCRIPTION/LOCATION
ECG-11-1981-11A	Hand Packed Light Sealant (pink) / Debris Pile at South Side of NICU-I/NICU-II

C:\Entek\Clients\UCDMC\11-1981 University Tower 2nd & 5th Floors VFT & Mastic Removal\Bulk Sample Asb\Bulk Rqt 09-01-11.wpd

Delivered by: 

Date: 9-1-11

Time: 1520 hrs

Received by: 

Date: 9-1-11

Time: 1520

United States Department of Commerce
National Institute of Standards and Technology



Certificate of Accreditation to ISO/IEC 17025:2005

NVLAP LAB CODE: 101442-0

ASBESTECH

Carmichael, CA

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

BULK ASBESTOS FIBER ANALYSIS

*This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005.
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality
management system (refer to joint ISO-ILAC-IAF Communiqué dated January 2009).*

2011-07-01 through 2012-06-30

Effective dates



Sally S. Bruce
For the National Institute of Standards and Technology



**National Voluntary
Laboratory Accreditation Program**



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

ASBESTECH

6825 Fair Oaks Blvd., Suite 103

Carmichael, CA 95608

Mr. Tommy Conlon

Phone: 916-481-8902 Fax: 916-481-3975

E-Mail: asbestech@sbcglobal.net

URL: <http://www.asbestechlab.com>

BULK ASBESTOS FIBER ANALYSIS (PLM)

NVLAP LAB CODE 101442-0

NVLAP Code Designation / Description

18/A01	EPA-600/M4-82-020: Interim Method for the Determination of Asbestos in Bulk Insulation Samples
--------	--

2011-07-01 through 2012-06-30

Effective dates

A handwritten signature in cursive script that reads 'Sally S. Bruce'.

For the National Institute of Standards and Technology

HMS, Inc.
HAZARD MANAGEMENT SERVICES, INC.

4200 Rocklin Rd., Ste. 11A
Rocklin, CA 95677-2860
(916) 632-6800 • (916) 632-6841 Fax

December 24, 2003

Mr. Fred G. Danielson, P.E., Project Manager
U.C. Davis Medical Center
Facilities Design & Construction
4800 2nd Avenue, Suite 3010
Sacramento, CA 95817

Re: Results of the Bulk Samples Collected in the University Tower Basement Boiler Room
(Lower Level Floor, Room 0670) at U.C. Davis Medical Center, 4800 2nd Avenue,
Sacramento, CA

Dear Mr. Danielson:

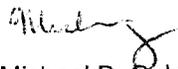
This letter reports the results of the bulk samples collected in Room 0670 located on the Lower Level Floor.

The hospital staff plans to remove the Orange Boiler Unit manufactured by the Keewance Boiler Company in Room 0670. Bulk samples were collected from materials inside and connected to the boiler unit which are considered suspect for containing asbestos.

Five bulk samples were collected from the boiler unit. The fire brick insulation, boiler unit gaskets, exhaust dust insulation, and cloth wrap covering the pipes to the boiler unit are considered suspect asbestos containing materials under Federal EPA guidelines. These samples were analyzed for asbestos content utilizing Phase Light Microscopy (PLM) with dispersion staining by Asbestech, a NVLAP Certified laboratory located in Carmichael, CA. The boiler unit gaskets contain between 80-90% Chrysotile asbestos. No asbestos was detected in any of the other materials.

Thank you for allowing HMS, Inc to assist you on this project. Please call me at (916) 632-6800 with any questions or concerns regarding this report.

Sincerely,



Michael B. Galang,
Certified Asbestos Consultant
DOSH Certification # 03-3331

D:\Shannon's Doc\CLIENTS\UCDCM\FL122403.wpd
Enclosure

ASBESTECH
 6825 Fair Oaks Blvd., Suite 103
 Carmichael, California 95608
 Tel.(916) 481-8902 Fax (916) 481-3975

Client:

Hazard Management Services
 4200 Rocklin Rd., Suite 11A
 Rocklin, CA 95677

Job:

R1142 UCDCM
 University Tower
 Basement

BULK ASBESTOS ANALYSIS REPORT

LAB JOB # 43633
 Date/Time Collected: 12/17/03
 Date Received: 12/17/03

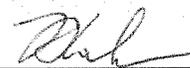
NVLAP # 101442
 DOHS # 1153
 Date Analyzed: 12/17/03

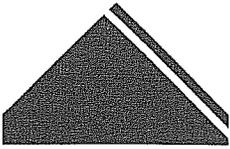
<i>Sample No.</i>	<i>Color/Description</i>	<i>% Type Asbestos</i>	<i>Other Materials</i>
HMS-R1142-01	Gray firebrick Rm.0670 Orange boiler	NONE DETECTED	Perlite Granular Mins. Cellulose
02	Gray gasket Rm.0670 Orange boiler	80-90 CHRYSOTILE	Binder
03	White-gray exhaust duct insulation Rm.0670 Orange boiler	NONE DETECTED	Granular Mins. Fibrous Glass Cellulose Synthetics
04	White cloth wrap over pipes Rm.0670 Orange boiler	NONE DETECTED	Cellulose Synthetics
05	Gray exhaust insulation Rm.0670 Orange boiler	NONE DETECTED	Fibrous Glass Cellulose Granular Mins.

THE ANALYSIS USES POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING FOLLOWING E.P.A. METHOD 600/R-93/116. NON-FRIABLE MATERIALS WERE ANALYZED APPLYING THE SAME METHOD. THE LOWER DETECTION LIMIT IS <1 % WITH THE PROVISO THAT PLM MAY NOT DETECT FIBERS <0.25 MICRONS IN DIAMETER THAT MAY BE PRESENT IN SAMPLES SUCH AS FLOOR TILES. IN ACCORDANCE WITH TITLE 22, CCR, SECTION 66261.24(a)(2)(A), THE MCL IS 1%. SAMPLES WERE NOT COLLECTED BY ASBESTECH. THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL WITHOUT THE APPROVAL OF ASBESTECH. THIS REPORT RELATES ONLY TO THE ITEMS TESTED. THIS REPORT MUST NOT BE USED TO CLAIM PRODUCT ENDORSEMENT BY N.V.L.A.P. OR ANY AGENCY OF THE U.S. GOVERNMENT. ASBESTECH ACCEPTS TECHNICAL RESPONSIBILITY FOR THIS REPORT AND DATE OF ISSUE.

NVLAP

ANALYST SIGNATURE: _____





ENTEK CONSULTING GROUP, INC.

4200 Rocklin Road, Suite 7 Rocklin, CA 95677

Telephone (916) 632-6800

Fax (916) 632-6812

May 24, 2011

Mr. Tom Richey,
Project Manager
University of California
Davis Medical Center
4800 2nd Avenue, Suite 3010
Sacramento, CA 95817

Re: Second Floor Surgery Remodel Project East Wing and University Tower; Supplemental Asbestos Bulk Sampling Report in University Tower Second Floor

Dear Mr. Richey:

This report presents results of the supplemental asbestos inspection and bulk sampling conducted on May 12, 2011 by Entek Consulting Group, Inc. (Entek) in the south section of the Tower Wing on the second floor. This supplemental inspection included an assessment of the building materials in the Tower Wing Male Locker Room 2623, Male Toilet 2623A, Women's Locker Room 2621, Women Toilet 2621A, and Corridors 2630C and 2605E. These rooms were not included in my original survey of the Tower Wing in preparation of the asbestos specification development, since at the time of my inspection in October 2010, these areas were not included in the scope of work. These spaces have since been added to the project, so an assessment was made of the materials for asbestos.

The inspection was conducted to comply with the Sacramento Metropolitan Air Quality Management District (SMAQMD) requirements for a pre-renovation asbestos survey. These results are to be included in the inspection report of November 29, 2010, and are considered supplemental to the original inspection report.

Inspection Protocols

Asbestos

The interior of the various spaces were visually inspected for suspect asbestos-containing materials. Representative bulk samples of each suspect material were collected and placed into sealed plastic bags. The sample locations are indicated on the "Bulk Asbestos Material Analysis Request Form for Entek", which served as the chain of custody for the samples, and on the building diagram attached to this report. Entek did not sample specific non-suspect materials such as glass, foam, wood, metal, rubber, plastic, and concrete. The sample collection was performed on May 12, 2011 by Mr. Rick Beall. Sample locations were determined by convenience to the materials and each materials relative location.

Entek collected 16 bulk samples of suspect materials seen inside of the above spaces identified, which included 12" floor tiles and associated mastic, base cove mastic, 2 x 2 drop-in ceiling panels, ceramic tile mortar, drywall and joint compound, sheet vinyl flooring, skim coat on drywall, and wallpaper adhesive. The bulk samples were placed into sealed zip lock bags, labeled and delivered to Asbestech laboratory of Carmichael, CA. Asbestech is approved to analyze asbestos under the National Voluntary Laboratory Accredited Program (NVLAP). The samples were analyzed using the Polarized Light Microscopy (PLM) method. Copies of the Asbestech laboratory reports and accreditations are attached.

Asbestos was identified only in the 12" beige colored mottled floor tile which is present throughout the Male Locker Room, Women Locker Room, and Corridors 2630C & 2605E. No asbestos was detected in the associated yellow mastic. In addition, no asbestos was identified in the other materials sampled and analyzed by PLM. Two of the three samples of the 12" floor tiles were not analyzed, since the first sample in the series was found to be positive for asbestos, so the laboratory was instructed to not analyze the other two samples.



Mr. Tom Richey,
U.C. Davis Medical Center
May 24, 2011
Page Two

The results of this sampling were incorporated into the asbestos specifications documents for the East Wing 2nd Floor Remodel Project Increment #1 and #2, with the floor tiles and locations added to the summary table of asbestos in Section 1.03A. This revised asbestos specification was provided to you electronically on May 13, 2011.

Thank you for considering Entek for your environmental needs. We look forward to working with you on this project. Please call me at (916) 632-6800, if you have any questions.

Sincerely,

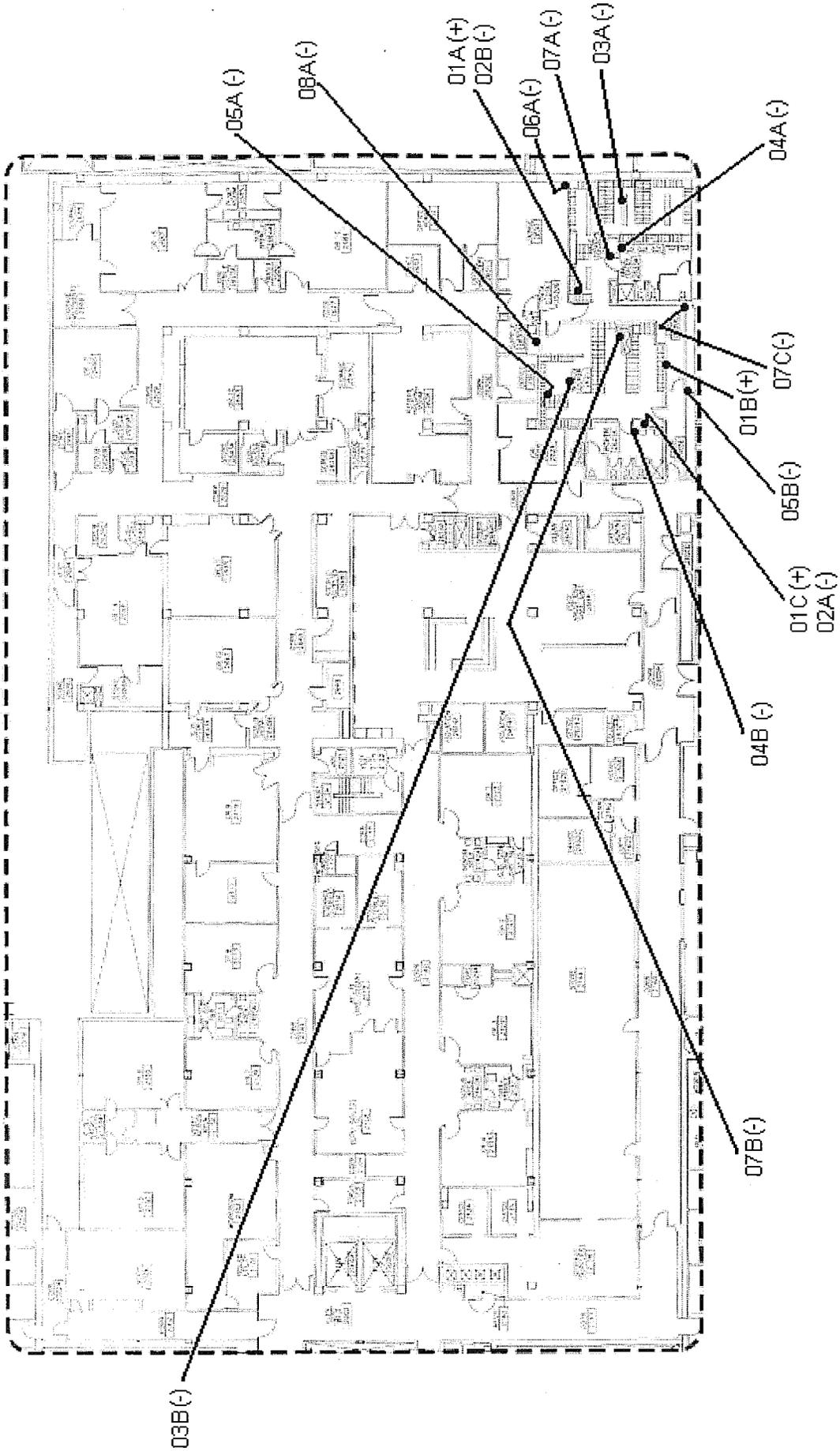
A handwritten signature in cursive script that reads "Richard Beall".

Richard Beall, CIH, CSP
President

Attachments

Z:\Clients\UCDMC\11-1903 Tower Wing 2nd Floor OR Renovation - PMSupplemental Asbestos Inspection Tower Wing for East Wing 2nd Floor OR Renovation.wpd

Tower Wing



UC Davis Medical Center
4800 Second Avenue
Sacramento, CA 95817

Entek Consulting Group, Inc.
4200 Rocklin Road, Suite 7
Rocklin, California 95677
Entek Project # 11-1903

Asbestos Bulk Sample Locations
Collected by Rick Beall
on May 12, 2011
Map Not to Scale


BULK ASBESTOS MATERIAL Analysis Report Form for **Entek Consulting Group, Inc.**

4200 ROCKLIN ROAD, STE. 7
 ROCKLIN, CA 95677
 (916) 632-6800
 FAX (916) 632-6812

Date of Sampling: May 12, 2011

Lab: Asbestech

Job Number: 11-1903

Turnaround Time: Same Day - Thursday 5/12/11 by 5 PM

Client Name: University of Davis Medical Center

Collected by: Rick Beall

Site Address: Tower Wing, Second Floor
 OR Renovation
 4800 2nd Avenue, Suite 3010
 Sacramento, CA 95817

ANALYSIS REQUESTED: Asbestos by PLM with Dispersion Staining

SAMPLE #	RESULTS	MATERIAL DESCRIPTION/LOCATION
ECG-11-1903-01A	1-2% CHRYSOTILE (In Mottled Tile) NONE DETECTED (In Yellow Mastic)	12" Beige Mottled Tile With Yellow Mastic; North West Corner of Male Locker Room 2623
ECG-11-1903-01B	NOT ANALYZED	12" Beige Mottled Tile With Yellow Mastic; North Side of Corridor 2630C
ECG-11-1903-01C	NOT ANALYZED	12" Beige Mottled Tile With Yellow Mastic; West Side of Women's Locker Room 2621
ECG-11-1903-02A	NONE DETECTED	Basecove Mastic (Yellow); West Side of Women's Locker Room 2621
ECG-11-1903-02B	NONE DETECTED	Basecove Mastic (Yellow); West Wall of Men's Locker Room 2623
ECG-11-1903-03A	NONE DETECTED	2 X 2 Drop-in Ceiling Panel - Men's Locker Room 2623
ECG-11-1903-03B	NONE DETECTED	2 X 2 Drop-in Ceiling Panel - Women's Locker Room 2621
ECG-11-1903-04A	NONE DETECTED	Ceramic Tile Mortar; Men's Toilet Room 2623A Below Sink Area
ECG-11-1903-04B	NONE DETECTED	Ceramic Tile Mortar; Women's Toilet Room 2621A Above Paper Towel Dispenser
ECG-11-1903-05A	NONE DETECTED	Drywall and Joint Compound; Women's Locker Room 2621 at upper north wall at corner by column
ECG-11-1903-05B	NONE DETECTED	Drywall and Joint Compound; Lower South Wall Corner at Door in Corridor 2630C


BULK ASBESTOS MATERIAL *Analysis Report Form for* **Entek Consulting Group, Inc.**

4200 ROCKLIN ROAD, STE. 7
 ROCKLIN, CA 95677
 (916) 632-6800
 FAX (916) 632-6812

Date of Sampling: May 12, 2011

Lab: Asbestech

Job Number: 11-1903

Turnaround Time: Same Day - Thursday 5/12/11 by 5 PM

Client Name: University of Davis Medical Center

Collected by: Rick Beall

Site Address: Tower Wing, Second Floor
 OR Renovation
 4800 2nd Avenue, Suite 3010
 Sacramento, CA 95817

ANALYSIS REQUESTED: Asbestos by PLM with Dispersion Staining

SAMPLE #	RESULTS	MATERIAL DESCRIPTION/LOCATION
ECG-11-1903-06A	NONE DETECTED	Linoleum with Yellow Mastic; South East Corner of Nurse/Staff Lounge 2630
ECG-11-1903-07A	NONE DETECTED	Skim Coat on Drywall; at Inset Wall Area of Men's Locker Room 2623
ECG-11-1903-07B	NONE DETECTED	Skim Coat on Drywall; at Lower Column or Chase Wall in Women's Locker Room 2621
ECG-11-1903-07C	NONE DETECTED	Skim Coat on Drywall; at Lower Column or Chase Wall at South Side of Corridor 2630C
ECG-11-1903-08A	NONE DETECTED	Wallpaper Adhesive (Yellow) South Wall of Supplies Room 2630A

Z:\Clients\UCDMC\11-1903 Tower Wing 2nd Floor OR Renovation - PM\Bulk Sample Asb\Bulk Rpt 5-12-11.wpd

ASBESTECH
 6825 Fair Oaks Blvd., Suite 103
 Carmichael, California 95608
 Tel.(916) 481-8902 Fax (916) 481-3975

Client:

Entek Consulting Group, Inc.
 4200 Rocklin Rd., Suite 7
 Rocklin, CA 95677

Job:

11-1903 UCDCM
 Tower Wing 2nd Floor OR Renovation
 Sacramento, Ca

BULK ASBESTOS ANALYSIS REPORT

LAB JOB # 56524-1

Date/Time Collected: 5/12/11

Date Received: 5/12/11

NVLAP # 101442

DOHS # 1153

Date Analyzed: 5/12/11

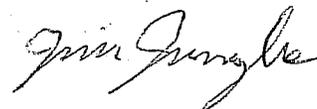
<u>Sample No.</u>	<u>Color/Description</u>	<u>% Type Asbestos</u>	<u>Other Materials</u>
ECG-11-1903-01A	Beige 12" mottled tile, NW corner of male locker room 2623	1-2 CHRYSOTILE	Granular Mins.
	Yellow mastic	NONE DETECTED	Synthetics
01B-C	NOT ANALYZED		
02A	Yellow base cove mastic, west side of women's locker room 2621	NONE DETECTED	Calcite
	White joint compound	NONE DETECTED	Granular Mins.
02B	Yellow base cove mastic, west wall of men's locker room 2623	NONE DETECTED	Calcite
03A	Gray/ white 2X2 drop in ceiling panel, men's locker room 2623	NONE DETECTED	Cellulose Fibrous Glass
03B	Gray/ white 2X2 drop in ceiling panel, women's locker room 2621	NONE DETECTED	Cellulose Fibrous Glass
04A	White ceramic tile mortar, men's toilet room 2623A below sink area	NONE DETECTED	Granular Mins.

THE ANALYSIS USES POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING FOLLOWING E.P.A. METHOD 600/R-93/116. NON-FRIABLE MATERIALS WERE ANALYZED APPLYING THE SAME METHOD. THE LOWER DETECTION LIMIT IS <1 % WITH THE PROVISION THAT PLM MAY NOT DETECT FIBERS <0.25 MICRONS IN DIAMETER THAT MAY BE PRESENT IN SAMPLES SUCH AS FLOOR TILES. IN ACCORDANCE WITH TITLE 22, CCR, SECTION 66261.24(a)(2)(A), THE MCL IS 1 %. SAMPLES WERE NOT COLLECTED BY ASBESTECH. THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL WITHOUT THE APPROVAL OF ASBESTECH. THIS REPORT RELATES ONLY TO THE ITEMS TESTED. THIS REPORT MUST NOT BE USED TO CLAIM PRODUCT ENDORSEMENT BY N.V.L.A.P. OR ANY AGENCY OF THE U.S. GOVERNMENT. ASBESTECH ACCEPTS TECHNICAL RESPONSIBILITY FOR THIS REPORT AND DATE OF ISSUE.

NVLAP

LABORATORY DIRECTOR: TOM CONLON

ANALYST: JIM JUNGLES



ASBESTECH
 6825 Fair Oaks Blvd., Suite 103
 Carmichael, California 95608
 Tel.(916) 481-8902 Fax (916) 481-3975

Client:

Entek Consulting Group, Inc.
 4200 Rocklin Rd., Suite 7
 Rocklin, CA 95677

Job:

11-1903 UCDCM
 Tower Wing 2nd Floor OR Renovation
 Sacramento, Ca

BULK ASBESTOS ANALYSIS REPORT

LAB JOB # 56524-2

Date/Time Collected: 5/12/11

Date Received: 5/12/11

NVLAP # 101442

DOHS # 1153

Date Analyzed: 5/12/11

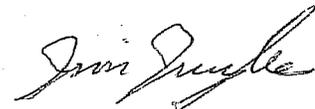
<u>Sample No.</u>	<u>Color/Description</u>	<u>% Type Asbestos</u>	<u>Other Materials</u>
ECG-11-1903-04B	White ceramic tile mortar, women's toilet room 2621A above paper towel dispenser	NONE DETECTED	Granular Mins.
05A	White joint compound, upper north wall corner at column in women's locker room 2621	NONE DETECTED	Calcite
05B	White drywall, lower south wall corner at door in corridor 2630C	NONE DETECTED	Gypsum Fibrous Glass
	White joint compound 1	NONE DETECTED	Granular Mins.
	White joint compound 2	NONE DETECTED	Granular Mins.
05C	White drywall, lower NW corner men's locker room 2623	NONE DETECTED	Gypsum Fibrous Glass
	White joint compound 1	NONE DETECTED	Calcite
	White joint compound 2	NONE DETECTED	Calcite
06A	Beige linoleum, SE corner of nurse/ staff lounge 2630	NONE DETECTED	Vinyl Cellulose
	Yellow mastic	NONE DETECTED	Synthetics

THE ANALYSIS USES POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING FOLLOWING E.P.A. METHOD 600/R-93/116. NON-FRIABLE MATERIALS WERE ANALYZED APPLYING THE SAME METHOD. THE LOWER DETECTION LIMIT IS <1 % WITH THE PROVISION THAT PLM MAY NOT DETECT FIBERS <0.25 MICRONS IN DIAMETER THAT MAY BE PRESENT IN SAMPLES SUCH AS FLOOR TILES. IN ACCORDANCE WITH TITLE 22, CCR, SECTION 66261.24(a)(2)(A), THE MCL IS 1%. SAMPLES WERE NOT COLLECTED BY ASBESTECH. THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL WITHOUT THE APPROVAL OF ASBESTECH. THIS REPORT RELATES ONLY TO THE ITEMS TESTED. THIS REPORT MUST NOT BE USED TO CLAIM PRODUCT ENDORSEMENT BY N.V.L.A.P. OR ANY AGENCY OF THE U.S. GOVERNMENT. ASBESTECH ACCEPTS TECHNICAL RESPONSIBILITY FOR THIS REPORT AND DATE OF ISSUE.

NVLAP

LABORATORY DIRECTOR: TOM CONLON

ANALYST: JIM JUNGLES



ASBESTECH
 6825 Fair Oaks Blvd., Suite 103
 Carmichael, California 95608
 Tel.(916) 481-8902 Fax (916) 481-3975

Client:

Entek Consulting Group, Inc.
 4200 Rocklin Rd., Suite 7
 Rocklin, CA 95677

Job:

11-1903 UCDCM
 Tower Wing 2nd Floor OR Renovation
 Sacramento, Ca

BULK ASBESTOS ANALYSIS REPORT

LAB JOB # 56524-3
 Date/Time Collected: 5/12/11
 Date Received: 5/12/11

NVLAP # 101442
 DOHS # 1153
 Date Analyzed: 5/12/11

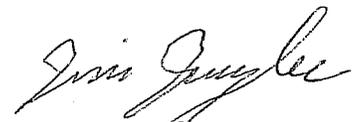
<u>Sample No.</u>	<u>Color/Description</u>	<u>% Type Asbestos</u>	<u>Other Materials</u>
ECG-11-1903-07A	White skim coat on drywall, inset wall area of men's locker room 2623	NONE DETECTED	Calcite
07B	White skim coat on drywall, lower column or chase wall in women's locker room 2621	NONE DETECTED	Calcite
07C	White skim coat on drywall, lower column or chase wall at south side of corridor 2630C	NONE DETECTED	Calcite
08A	Yellow wallpaper adhesive, south wall of supplies room 2630A	NONE DETECTED	Calcite
	White joint compound	NONE DETECTED	Calcite

THE ANALYSIS USES POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING FOLLOWING E.P.A. METHOD 600/R-93/116. NON-FRIABLE MATERIALS WERE ANALYZED APPLYING THE SAME METHOD. THE LOWER DETECTION LIMIT IS <1 % WITH THE PROVISO THAT PLM MAY NOT DETECT FIBERS <0.25 MICRONS IN DIAMETER THAT MAY BE PRESENT IN SAMPLES SUCH AS FLOOR TILES. IN ACCORDANCE WITH TITLE 22, CCR, SECTION 66261.24(a)(2)(A), THE MCL IS 1 %. SAMPLES WERE NOT COLLECTED BY ASBESTECH. THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL WITHOUT THE APPROVAL OF ASBESTECH. THIS REPORT RELATES ONLY TO THE ITEMS TESTED. THIS REPORT MUST NOT BE USED TO CLAIM PRODUCT ENDORSEMENT BY N.V.L.A.P. OR ANY AGENCY OF THE U.S. GOVERNMENT. ASBESTECH ACCEPTS TECHNICAL RESPONSIBILITY FOR THIS REPORT AND DATE OF ISSUE.

NVLAP

LABORATORY DIRECTOR: TOM CONLON

ANALYST: JIM JUNGLES



56524

BULK ASBESTOS MATERIAL Analysis Request Form for **Entek Consulting Group, Inc.**

4200 ROCKLIN ROAD, STE. 7
 ROCKLIN, CA 95677
 (916) 632-6800
 FAX (916) 632-6812

Date of Sampling: May 12, 2011

Lab: Asbestech

Job Number: 11-1903

Turnaround Time: Same Day - Thursday 5/12/11
by 5 PM

Client Name: University of Davis Medical Center

Collected by: Rick Beall

Site Address: ~~500~~ Tower Wing, Second Floor
 OR Renovation
 4800 2nd Avenue, Suite 3010
 Sacramento, CA 95817

ANALYSIS REQUESTED: Asbestos by PLM with Dispersion Staining

Special Instruction:

Stop Analysis upon first positive result (>1%) for sample in a series. Also stop analysis upon first positive result (>1%) in the joint compound for sample series.

Please e-mail results as soon as available and include copy of submittal with those results.

SAMPLE #	MATERIAL DESCRIPTION/LOCATION
ECG-1903-01A	12" beige mottled tile w/ yellow mastic; NW corner of Male Locker Room 2623
ECG-1903-01B	12" beige mottled tile with yellow mastic; North side of Corridor 2630C
ECG-1903-01C	12" beige mottled tile w/ yellow mastic; west side of Women's Locker Room 2621
ECG-1903-02A	Basecoat mastic (yellow); west side of Women's Locker Room 2621
ECG-1903-02B	Basecoat mastic (yellow); west wall of Mens Locker Room 2623
ECG-1903-03A	2x2 Drop in ceiling Panel - Mens Locker Room 2623
ECG-1903-03B	" " " " - Womens Locker Room 2621
ECG-1903-04A	Ceramic tile mortar; Mens Toilet Room 2623A below sink Area
ECG-1903-04B	Ceramic tile mortar; womens Toilet Room 2621A above papertowel dispenser

Delivered by: Rick BeallDate: 5-12-11Time: 12:55 pmReceived by: RickDate: 5/12/11Time: 12:55 pm

56524

BULK ASBESTOS MATERIAL Analysis Request Form for **Entek Consulting Group, Inc.**

4200 ROCKLIN ROAD, STE. 7
 ROCKLIN, CA 95677
 (916) 632-6800
 FAX (916) 632-6812

Date of Sampling: May 12, 2011

Lab: Asbestech

Job Number: 11-1903

Turnaround Time: Same Day - Thursday 5/12/11
by 5 PM

Client Name: University of Davis Medical Center

Collected by: Rick Beall

Site Address: ^{Tower} ~~Wing~~ Wing, Second Floor
 OR Renovation
 4800 2nd Avenue, Suite 3010
 Sacramento, CA 95817

ANALYSIS REQUESTED: Asbestos by PLM with
Dispersion Staining**Special Instruction:**

Stop Analysis upon first positive result (>1%) for sample in a series. Also stop analysis upon first positive result (>1%) in the joint compound for sample series.

Please e-mail results as soon as available and include copy of submittal with those results.

SAMPLE #	MATERIAL DESCRIPTION/LOCATION
ECG-1903- 05A	Drywall and joint compound; - upper north wall corner at Column in Womens Locker Room 2621
ECG-1903- 05B	" " " ; - lower south wall corner at door in Corridor 2630C
ECG-1903- 05C	" " " ; - Lower NW corner Men's Locker Room 2623
ECG-1903- 06A	Linoleum w/ yellow mastic; SE corner of Nurse/Staff Lounge 2630
ECG-1903- 07A	Skim coat on drywall; inset wall area of Men's Locker Room 2623
ECG-1903- 07B	Skim coat on drywall; at lower column or chase wall in Womens Locker Room 2621
ECG-1903- 07C	Skim coat on drywall; at lower column or chase wall at south side of Corridor 2630C
ECG-1903- 08A	Wallpaper adhesive (yellow) south wall of Supplies Room 2630A
ECG-1903-	

Delivered by: Rick BeallDate: 5-12-11Time: 12:55 PMReceived by: WhaleDate: 5/12/11Time: 12:55 PM



Mr. Anthony Chung-Yee
Facilities Design and Construction
UC Davis Medical Center
August 31, 2011
Page Two

Recommendations

Entek recommends any work impacting existing paints either known or assumed to contain some amount of lead should at a minimum include:

1. All employees which will disturb red painted surfaces of any metal wall studs or structural steel must receive, at a minimum, Hazard Communication training which includes lead-safe work practices.
2. Lead-safe work practices such as wet methods, establishment of a regulated area, and prompt cleanup must be employed during disturbance of the painted metal wall studs or structural steel if the disturbance may result in airborne exposures of lead in concentrations over the Cal/OSHA Permissible Exposure Limit as described in 8 CCR 1532.1.
3. Lead waste characterization testing should be performed for the debris resulting from the demolition of any red painted metal studs or structural steel components. These tests include the toxic threshold limit concentration, soluble threshold limit concentration, and the toxicity characterization leaching procedures (if the waste will be transported out of CA).

Thank you for choosing Entek for your environmental needs. Please call me at (916) 632-6800 if you have any questions regarding this report.

Sincerely,

A handwritten signature in cursive script that reads "Jack H. DeLay".

Jack H. DeLay
Project Manager
CDPH I/A/M # 6725

Enclosures


BULK LEAD MATERIAL Analysis Report Form for Entek Consulting Group, Inc.

4200 ROCKLIN ROAD; SUITE 7
 ROCKLIN, CA 95677
 (916) 632-6800
 FAX (916) 632-6812

Date of Sampling: August 26, 2011

Lab: Asbestech

Job Number: 11-1981

Turnaround Time: Results by Tuesday, August 30, 2011 at 5:00pm

Client Name: University California Davis Medical Center

Collected by: Jack DeLay

Site Address: University Tower
 Second Floor
 Sacramento, CA 95817

ANALYSIS REQUESTED: Lead by Atomic Absorption Spectrometry

SAMPLE #	LEAD RESULT (ppm)	RESULT IN WT%	MATERIAL DESCRIPTION/LOCATION
ECG-11-1981-01Pb	1100	0.11	Red Paint on Metal Wall Studs / Soiled Utility at north wall
ECG-11-1981-02Pb	920	0.092	Red Paint on Metal Wall Studs / South side of Room 2657
ECG-11-1981-03Pb	170,000	17	Red Paint on square stock structural steel / North side of nurse station at corridor

Z:\Clients\UCDMC\11-1981 University Tower 2nd & 5th Floors VFT & Mastic Removal\Bulk Sample Pb\Bulk Report 08-31-11.wpd

ASBESTECH
6825 Fair Oaks Blvd., Suite 103
Carmichael, California 95608
Tel (916) 481-8902
Fax (916) 481-3975

FLAME ATOMIC ABSORPTION SPECTROMETRY
LEAD (Pb) IN PAINT SAMPLES
METHOD SW846-3050B-7420

CLIENT:
Entek Consulting Group, Inc.
4200 Rocklin Rd., Suite 7
Rocklin, CA 95677

CDPH ELAP#1153
ELPAT#101801

JOB I.D.: 11-1981, UCDCMC,
University Tower Second Floor,
Sacramento, Ca

DATE RECEIVED: 8/26/11

DATE ANALYZED: 8/30/11

LAB JOB NO: 8843

DATE REPORTED: 8/30/11

SAMPLE DATE	SAMPLE NUMBER	DESCRIPTION	PPM	RESULT IN WT%	RL	Q.C. BATCH
8/26/11	ECG-11-1981-01Pb	Red paint on metal wall studs, Soiled Utility at north wall	1100	0.11	0.0050%	177
8/26/11	ECG-11-1981-02Pb	Red paint on metal wall studs, south side of room 2657	920	0.092	0.0050%	177
8/26/11	ECG-11-1981-03Pb	Red paint on square stock structural steel, north side of nurse station at corridor	170000	17	0.0050%	177

Analytical results and reports are generated at the request and for the exclusive use of the client. This report applies only to the items tested. Samples were not collected by ASBESTECH. This report must not be reproduced except in full, and only with the express permission of ASBESTECH. This report must not be used to claim product endorsement by any agency of the U.S. Government.

BULK LEAD MATERIAL Analysis Request Form for **Entek Consulting Group, Inc.**

4200 ROCKLIN ROAD; SUITE 7
ROCKLIN, CA 95677
(916) 632-6800
FAX (916) 632-6812

Date of Sampling: August 26, 2011

Lab: Asbestech

Job Number: 11-1981

Turnaround Time: Results by Tuesday, August 30, 2011 at 5:00pm

Client Name: University California Davis Medical Center

Collected by: Jack DeLay

Site Address: University Tower
Second Floor
Sacramento, CA 95817

ANALYSIS REQUESTED: Lead by Atomic Absorption Spectrometry

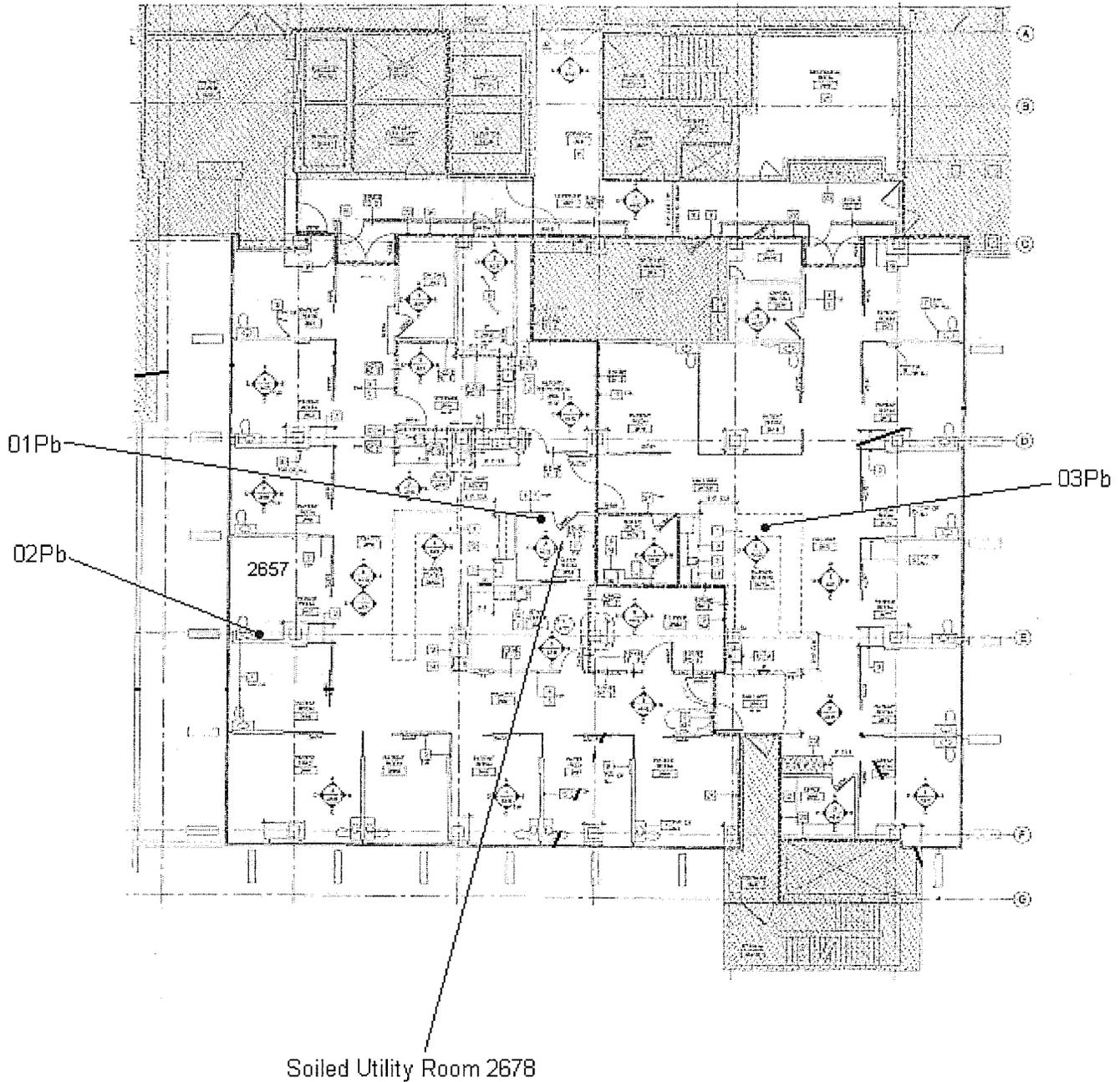
SAMPLE #	MATERIAL DESCRIPTION/LOCATION
ECG-11-1981-01Pb	Red Paint on Metal Wall Studs / Soiled Utility at north wall
ECG-11-1981-02Pb	Red Paint on Metal Wall Studs / South side of Room 2657
ECG-11-1981-03Pb	Red Paint on square stock structural steel / North side of nurse station at corridor

C:\Entek\Clients\UCDMC\11-1981 University Tower 2nd & 5th Floors VFT & Mastic Removal\Bulk Sample Pb\Bulk Rqst Pb 08-26-11.wpd

DELIVERED BY: J. DeLay
RECEIVED BY: [Signature]

DATE: 8-26-11 TIME: 1415 hrs.
DATE: 8-26-11 TIME: 1415

University Tower



Sample Numbers are Preceded by: ECG-11-1981-

University Tower - 2nd Floor
University of Davis Medical Center
4800 2nd Avenue
Sacramento, California

Entek Consulting Group, Inc.
4200 Rocklin Road, Suite 7
Rocklin, California 95677
Map Not to Scale

Approximate Bulk Paint Chip Sample
Locations Collected by
Jack DeLay on August 26, 2011
Project Number 11-1981

LEAD HAZARD EVALUATION REPORT**Section 1 -- Date of Lead Hazard Evaluation** August 26, 2011**Section 2--Type of Lead Hazard Evaluation** (Check one box only)
 Lead Inspection
 Risk Assessment
 Clearance Inspection
 Other (specify) See Attached Letter dated Dec. 1, 2008
Section 3--Structure Where Lead Hazard Evaluation Was Conducted

Address [number, street, apartment (if applicable)] 4800 2 nd Avenue		City Sacramento	County Sacramento	Zip Code 95817
Construction date (year) of structure 1980	Type of structure (check one box only)			
	<input type="checkbox"/> Multi-unit building <input type="checkbox"/> School or daycare <input type="checkbox"/> Single Family Dwelling			
	<input checked="" type="checkbox"/> Other (specify) <u>Hospital</u>			

Section 4--Owner of Structure (If business/agency, list contact person)

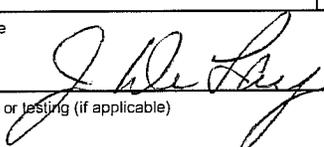
Name UC Davis Medical Center / Mr. Anthony Chung-Yee		Telephone Number (916) 736-5083		
Address [number, street, apartment (if applicable)] 4800 2 nd Avenue		City Sacramento	State CA	Zip Code 95817

Section 5--Results of Lead Hazard Evaluation (Check all that apply)

No lead-based paint detected.
 Lead-based paint detected.

No lead hazards detected.
 Lead hazards detected.

Section 6--Individual Conducting Lead Hazard Evaluation

Name Jack DeLay		Telephone Number (916) 632-6800		
Address [number, street, apartment (if applicable)] 4200 Rocklin Road, Suite 7		City Rocklin	State CA	Zip Code 95677
CDPH certification number 6725	Signature 			Date 8-31-11
Name and CDPH certification number of any other individuals conducting sampling or testing (if applicable) N/A				

Section 7--Attachments

- A foundation diagram or sketch of the structure indicating the specific locations of each lead hazard or presence of lead-based paint;
- Each testing method, device, and sampling procedure used;
- All data collected, including quality control data, laboratory results, indicating laboratory name, address, and phone number.

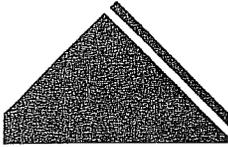
First copy and attachments retained by inspector

Second copy and attachments retained by owner

Third copy only (no attachments) mailed 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) 622-5656

CDPH 8552 (6/07)



**ENTEK
CONSULTING GROUP, INC.**

4200 Rocklin Road, Suite 7 Rocklin, CA 95677

Telephone (916) 632-6800

Fax (916) 632-6812

December 1, 2008

State of California
Health and Human Services Agency
California Department of Public Health
Childhood Lead Poisoning Prevention Branch Reports
850 Marina Bay Parkway, Building P, Third Floor
Richmond, CA 94804-6403

RE: Lead Hazard Evaluation Report (CDPH 8552 - 6/07)

To Whom it May Concern:

In a memorandum issued to all "California Department of Health Services Certified Inspector/Assessors and Project Monitors", by the State of California – Health and Human Services Agency, Department of Health Services (DHS), dated June 5, 2006, and signed by Mr. Paul Fitzmaurice, Chief, Lead Hazard Reduction Section, Childhood Lead Poisoning Prevention Branch, it was made clear that "... the on-site investigation, for compensation, of lead-based paint or lead hazards ..." includes "... conducting testing and/or sampling activities as part of a non- 'abatement' project (e.g. painting, remodeling, etc.)."

As a result of this directive, Entek Consulting Group, Inc. (Entek) is providing you with the current CDPH Form 8552 (6/07) documenting an inspection/assessment performed by Entek.

The investigation results being reported on the attached CDPH Form 8552 do not reflect a "Lead Inspection/Assessment" as defined in Title 17. As a result the "Other" box, in "Section 2 – Type of Lead Hazard Evaluation", is checked. This is being done to make it clear this investigation does not meet the definition of a "Lead Inspection/Assessment", and submission of the attached CDPH Form 8552 is not meant to reflect that it does.

CDPH Form 8552, Section 5 – Results of Lead Hazard Evaluation, does not allow for an appropriate option pertaining to the results of the investigation/assessment performed and being reported (i.e. for the purpose of compliance with Cal/OSHA, Title 8 1532.1. Lead), or an assessment being performed in an unregulated structure. While one of or more of the four boxes is checked to reflect the results of the inspection/assessment. The lead inspection/assessment was not required under Title 17.

This letter is not intended to disagree whether a CDPH Form 8552 must be submitted, but is for clarification as to the information included on the CDPH Form 8552, and its intended purpose, namely to reflect the goal of the services performed by Entek.

Sincerely,

Douglas R. Colley
V.P. Operations
CDPH Lead Certification #5785

Z:\FinalLetters\Lead Hazard Eval Disclaimer Let Updated 120108.wpd

State of California Department of Public Health

Lead-Related Construction Certificate	<u>Certificate</u> Type	<u>Expiration</u> Date
	Inspector/Assessor	10/16/2011
	Project Monitor	10/16/2011



Jack H. Delay ID #: **6725**



CALIFORNIA STATE

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM BRANCH

CERTIFICATE OF ENVIRONMENTAL ACCREDITATION

Is hereby granted to

ASBESTECH

6825 FAIR OAKS BLVD, SUITE 103

CARMICHAEL, CA 95608

Scope of the certificate is limited to the
"Fields of Testing"
which accompany this Certificate.

Continued accredited status depends on successful completion of on-site,
proficiency testing studies, and payment of applicable fees.

This Certificate is granted in accordance with provisions of
Section 100825, et seq. of the Health and Safety Code.

Certificate No.: 1153

Expiration Date: 03/31/2012

Effective Date: 04/01/2010

Richmond, California
subject to forfeiture or revocation.

George C. Kulasingam, Ph.D., Chief
Environmental Laboratory Accreditation Program Branch



CALIFORNIA DEPARTMENT OF PUBLIC HEALTH
ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM
Accredited Fields of Testing



Asbestech
6825 Fair Oaks Blvd, Suite 103
Carmichael, CA 95608
Phone: (916) 481-8902

Certificate No.: 1153
Renew Date: 3/31/2012

Field of Testing: 114 - Inorganic Chemistry of Hazardous Waste

114.130 001 Lead EPA 7420

Field of Testing: 115 - Extraction Test of Hazardous Waste

115.021 001 TCLP Inorganics EPA 1311

115.030 001 Waste Extraction Test (WET) CCR Chapter 11, Article 5, Appendix II

Field of Testing: 121 - Bulk Asbestos Analysis of Hazardous Waste

121.010 001 Bulk Asbestos EPA 800/M4-82-020



**ENTEK
CONSULTING GROUP, INC.**

4200 Rocklin Road, Suite 7, Rocklin, CA 95677 Phone (916) 632-6800 Fax (916) 632-6812 www.entekgroup.com

**ASBESTOS MATERIALS SURVEY
FINAL REPORT**

OWNER/CLIENT

**UC Davis Medical Center
Facilities Design & Construction
4800 2nd Avenue, Suite 3010
Sacramento, CA 95817**

CONTACT

**Mr. Jim Davis
Project Manager**

SURVEY ADDRESS

**UC Davis Medical Center
East Wing Basement
University Tower First Floor
2315 Stockton Blvd.
Sacramento, CA 95817**

BUILDING AREAS SURVEYED

**Inc 1 Seg A Survey AC 9559010
East Wing - Partial Basement Tunnel
University Tower - Partial First Floor by CT Scan Addition**

PREPARED BY

**Rick Beall, CIH, CSP, CAC
CAC #92-0032
Entek Consulting Group, Inc.
4200 Rocklin Road, Suite 7
Rocklin, CA 95677**

Entek Project #16-4003

June 25, 2016



TABLE OF CONTENTS

Executive Summary.	<u>3</u>
Introduction.	<u>4</u>
Asbestos Bulk Sample Results.	<u>4</u>
Asbestos Regulatory Requirements	<u>6</u>
Limitations.	<u>7</u>
Appendices	
A. Asbestos and Lead Related Documents	
B. Backup Documentation	



Executive Summary

The United States Environmental Protection Agency, National Emission Standards for Hazardous Air Pollutants (US EPA NESHAP), 40 CFR Part 61, requires an owner or operator of a demolition or renovation project to thoroughly inspect the affected facility or part of the facility where the demolition or renovation operation will occur for the presence of asbestos-containing materials (ACM) prior to the commencement of that project.

This inspection report was requested by Mr. Aaron Parker, Project Manager II with Kitchell CEM at UC Davis Medical Center.

The purpose of this limited inspection was to comply with US EPA NESHAP requirements, as enforced by the Sacramento Metropolitan Air Quality Management District (SMAQMD) Rule 902 to determine if asbestos containing materials are present which may be impacted during a planned project on the first floor of the University Tower in the Corridor near the CT Scan addition, and in part of the basement tunnel of the East Wing. The inspection is supplemental to other inspections in the project area and was specific to this project. The primary work involves removing electrical cables from existing conduit and removal of a gas line in the basement tunnel area of the East Wing. Limited coring of one concrete wall is expected. Work in the CT Scan addition will include more work, but this area has already been inspected with a report provided on September 30, 2011.

The attached drawing shows approximate sample locations and also identify those bulk sample materials analyzed and found to contain asbestos greater than 1% with a (+) after the sample number. Materials analyzed and found to contain less than 1% asbestos or reported as none detected have a (-) after each sample number.

Materials are classified in the tables of this report as regulated asbestos containing material (RACM), Category I (CAT-I) or Category II (CAT-II) ACM, or asbestos containing construction material (ACCM), which included collecting multiple samples of some materials. Contractors and other individuals who view the sample locations and associated results indicated with either a (-) or a (+) on the drawing to make determinations take the risk of misidentifying a material and may arrive at determinations which are in direct conflict with the written findings of this report. This use of the drawing and the information provided on it relating to individual sample results in determining if a material does or does not contain asbestos is not recommended.

This is a summary of the report. The report must be read in its entirety, and the reader must review all the detailed information provided in the body of the report prior to making any interpretations, or conclusions pertaining to the information. Any conclusions made by the reader about the information provided in the body of this report which are contradictory or not included in this report are the responsibility of the reader.

Asbestos

Entek conducted a limited survey for asbestos containing materials and lead in paint on June 10, 2016 in the project area that was limited to the basement tunnel in the East Wing where the gas line will be removed and the core in the concrete will be required. In addition,



the survey was conducted in the University Tower First Floor Corridor directly in front of the door leading into the CT Scan area.

The results of the inspection and bulk sampling for asbestos found no asbestos detected in the six bulk samples collected of suspect building materials, that might be impacted by this project.

Historical asbestos and bulk sampling of other areas of the hospital was performed by Entek and others, which are included for you as references. The asbestos inspection and report (September 30, 2011) was conducted in the CT Scan Room that we understand to have been constructed in 2003/2004, was prepared for Lionakis Design Group, Inc., who was under contract by the UCDCM as part of the East Wing Utility Reconstruction and Stair Tower Project. See the attached report.

Also attached with this report are other historical asbestos sampling reports in the University Tower, which was constructed in the early 1980's. The only asbestos known to be present in the University Tower is black mastic associated with flooring systems, which may have minor impact on this project in the Corridor by the entry to the CT Scan area.

Lead

Entek investigated existing paints in an effort to determine if lead was present in these materials. Only the paint in the basement tunnel will be impacted by the core drilling. Bulk sampling of the white paint on the concrete surface were analyzed and found to be below the limit of detection (<50 ppm) for lead.

Introduction

This report presents results of a very limited asbestos survey performed by Entek which included only the basement tunnel area of the East Wing and the first floor corridor area directly in front of the door to the CT Scan Room.

The asbestos survey was conducted by Rick Beall, CIH, CSP, CAC, who is a US EPA Asbestos Hazard Emergency Response Act (AHERA)-accredited building inspector and a Cal/OSHA Certified Asbestos Consultant (CAC).

Approximate locations of all samples collected during this inspection are indicated on the "Bulk Asbestos Material Analysis Request Form for Entek", which served as the chain of custody for the samples, and on the building diagram attached to this report.

Asbestos Bulk Sample Results

There were several materials observed which are considered "suspect" under US EPA guidelines. Under current US EPA guidelines for conducting building inspections for ACM, all "suspect" materials must be assumed to contain asbestos until otherwise determined by laboratory testing.



The samples of insulation materials suspected of containing asbestos were submitted to Asbestech, a laboratory located in Carmichael, California. These samples were subsequently analyzed by polarized light microscopy (PLM) with dispersion staining. Asbestech is accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for this analysis.

US EPA NESHAP uses the terms RACM, CAT-I, & CAT-II when identifying materials which contain asbestos in amounts greater than 1%. Cal/OSHA uses the term ACCM which indicates a manufactured construction material contains greater than 0.1% asbestos by weight by the PLM method. This definition can be found in 8 CCR Part 1529.

A total of six bulk samples were collected of all the materials considered to be "suspect", which were observed during this investigation that might be impacted by the project as described to Entek. Some of those samples contained multiple layers which were individually analyzed to determine their asbestos content. No asbestos was detected in any of the six bulk samples collected and analyzed.

Results of the analysis of are listed in the following table.

Suspect Materials Found NOT TO Contain Asbestos or Considered Non-Suspect				
Sample ID#'s	Suspect Material	EPA AHERA "Suspected" ACM	Asbestos Content	Location
-01A	Concrete	Miscellaneous	None Detected	Basement Tunnel Walls and Ceiling in East Wing
-02A	Hard White Plaster	Surfacing	None Detected	Partition Wall in Tunnel in East Wing
-03A	Plaster Patch	Surfacing	None Detected	Partition Wall in Tunnel at Gas Line Penetration in East Wing
-04A	12" vinyl floor tiles with yellow mastic and gray floor filler	Miscellaneous	None Detected	Corridor 1 st Floor of University Tower by Room 1450 door to CT Scan
-05A	12" Acoustical Ceiling Tile with Drywall Substrate	Miscellaneous	None Detected	Corridor 1 st Floor of University Tower by Room 1450 door to CT Scan
-06A	Drywall and Joint Compound	Miscellaneous	None Detected	Corridor 1 st Floor of University Tower by Room 1450 door to CT Scan

NOTE: All sample numbers are preceded by ECG-16-4003-



US EPA AHERA uses three terms when determining the classification of a material for the purpose of sampling. These terms include miscellaneous, surfacing, and thermal system insulation (TSI).

Miscellaneous materials are building materials on structural components, structural members or fixtures, such as floor and ceiling tiles, and does not include surfacing material or TSI.

Surfacing materials are materials that are sprayed-on, troweled-on, or otherwise applied to surfaces, such as acoustical plaster on ceiling and fireproofing materials on structural members, or other materials on surfaces for acoustical, fireproofing, or other purposes.

TSI is material applied to pipes, fittings, boilers, breeching, tanks, ducts, or other structural components to prevent heat loss or gain, water condensation, or for other purposes.

The information provided in the table of this report is for use by the Owner in determining where asbestos containing materials are located, and whether or not any future work may impact those materials. The information is also provided for use by any contractor who may perform work in areas impacting the materials listed in this report.

Any building materials which are considered “suspect” for containing asbestos which have not been identified in this report must be assumed to contain asbestos in amounts >1% until properly investigated and/or tested.

Materials commonly excluded from being suspected for containing asbestos include, but are not limited to: unwrapped pink and yellow fiberglass insulating materials or products, foam insulation, wood, metal, plastic, rubber, or glass. All other types of building materials or coatings on the materials listed above are commonly listed as “suspect” and must be tested prior to impact. Work impacting these untested or newly discovered materials must cease until an investigation can be completed.

Asbestos Regulatory Requirements

US EPA

The property included in this survey report is located in Sacramento County. Sacramento Metropolitan Air Quality Management District (SMAQMD) has been given authority for enforcement of the NESHAP regulations in Sacramento County through the use of their own rules (Rule 902).

Ten day advance written notification to the SMAQMD is required prior to the performance of any demolition project regardless of asbestos being present or not. A demolition is the wrecking, taking out, or burning of any load supporting structural member. A renovation is everything else.

Since no asbestos is anticipated to be impacted by this project, the SMAQMD asbestos regulations do not apply. The two SMAQMD forms “Asbestos Survey Form” and the



“Asbestos Renovation/Demolition Notification Form” are provided in this report for the contractor prior to the project to assist in obtaining a building permit if one is required.

Cal/OSHA

Disturbance of any ACM or ACCM could generate airborne asbestos fibers and would be regulated by Cal/OSHA. Cal/OSHA worker health and safety regulations apply during any disturbance of ACM or ACCM by a person while in the employ of another. This is true regardless of friability or quantity disturbed.

Since it no asbestos was detected in the project area and no asbestos will be impacted, the Cal/OSHA regulations for asbestos (Title 8 1529) do not apply.

Lead

One bulk sample of the painted surfaces from the basement tunnel was collected and submitted to Asbestech laboratory. This sample was subsequently analyzed by atomic absorption spectrometry (AAS). Results of the analysis are listed in the following table:

Paints/Coatings/Materials Determined NOT TO Contain Lead (<50 ppm)	
Paint/Coating Color or Material	Building Component
White	North wall of tunnel in basement of East Wing Near Electrical Room where coring of the concrete wall will be required

Paints determined “NOT TO” contain lead for the purposes of this report are those samples which when analyzed did not indicate lead to be present at or above the limit of detection for the analysis method used. This limit of detection was 50 parts per million (ppm). As a result, any paints shown “NOT TO” contain lead will not require any special training or work practices related to lead when impacted.

Limitations

Entek inspected only the specific designated areas identified by the drawings provided to Entek by Kitchell CEM in the upcoming project, which did not include all areas of the building’s interior and exterior components. The information provided in this inspection report may not be used to extend the inspection results to areas not included in this report without additional review and sampling as necessary.

Entek’s policy is to retain a full copy of these written documents for three (3) years once the file is closed. At the end of the three (3) year period the written files will be destroyed without further notice. It is suggested copies of the file(s) are maintained as per UC Davis Medical Center policy. Entek will be providing only this electronic copy of the report and its attachments for your use. However, if you would like a hard copy of this report please do not hesitate to ask. Entek will be happy to mail the report upon receipt of your request.



Thank you for choosing Entek for your hazardous materials needs. Please call me at (916) 632-6800 if you have any questions regarding this report.

A handwritten signature in black ink that reads "Rick Beall".

Prepared by:

Rick Beall, CIH, CSP, CAC
Cal/OSHA CAC #92-0032

Appendices

- A. Asbestos and Lead Related Documents
- B. Backup Documentation

Z:\Clients\UCDMC\16-4003 Increment #1 and #2 - Asb & Pb\Project Letters & Reports\Asb Insp Rpt Make Ready Seg A 6-25-16.wpd

ASBESTECH
 6825 Fair Oaks Blvd., Suite 103
 Carmichael, California 95608
 Tel.(916) 481-8902 Fax (916) 481-3975

Client:

Entek Consulting Group, Inc.
 4200 Rocklin Rd., Suite 7
 Rocklin, CA 95677

Job:

16-4003 UCDCMC
 Increment 1 Segment A-Hospital Seismic Upgrade
 Sacramento, Ca

BULK ASBESTOS ANALYSIS REPORT

LAB JOB # 63066-1

Date/Time Collected: 6/10/16

Date Received: 6/13/16

NVLAP Lab Code 101442-0

CDPH # 1153

Date Analyzed: 6/14/16

<i>Sample No.</i>	<i>Color/Description</i>	<i>% Type Asbestos</i>	<i>Other Materials</i>
ECG-16-4003-01A	Gray concrete from basement north wall near high voltage room in east wing	NONE DETECTED	Granular Mins.
	White paint	NONE DETECTED	Opagues
02A	White plaster from basement partition wall where gas line penetrates upper section in east wing	NONE DETECTED	Granular Mins.
03A	White patching material at gas line penetration in wall partition in basement of east wing	NONE DETECTED	Pumice
04A	White mottled 12" vinyl floor tiles in corridor on 1st floor by room 1450 in University Tower	NONE DETECTED	Calcite
	Yellow mastic	NONE DETECTED	Synthetics
	Gray floor filler	NONE DETECTED	Calcite
05A	Gray/ white 12" acoustic ceiling tile in corridor on 1st floor by room 1450 in University Tower	NONE DETECTED	Cellulose Fibrous Glass
	White drywall substrate	NONE DETECTED	Gypsum Fibrous Glass

THE ANALYSIS USES POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING FOLLOWING E.P.A. METHOD 600/R-93/116. NON-FRIABLE MATERIALS WERE ANALYZED APPLYING THE SAME METHOD. THE LOWER DETECTION LIMIT IS <1 % WITH THE PROVISIO THAT PLM MAY NOT DETECT FIBERS <0.25 MICRONS IN DIAMETER THAT MAY BE PRESENT IN SAMPLES SUCH AS FLOOR TILES. IN ACCORDANCE WITH TITLE 22, CCR, SECTION 66261.24(a)(2)(A), THE MCL IS 1%. SAMPLES WERE NOT COLLECTED BY ASBESTECH. THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL WITHOUT THE APPROVAL OF ASBESTECH. THIS REPORT RELATES ONLY TO THE ITEMS TESTED. THIS REPORT MUST NOT BE USED TO CLAIM PRODUCT ENDORSEMENT BY N.V.L.A.P. OR ANY AGENCY OF THE U.S. GOVERNMENT. ASBESTECH ACCEPTS TECHNICAL RESPONSIBILITY FOR THIS REPORT AND DATE OF ISSUE.

ASBESTECH
 6825 Fair Oaks Blvd., Suite 103
 Carmichael, California 95608
 Tel.(916) 481-8902 Fax (916) 481-3975

Client:

Entek Consulting Group, Inc.
 4200 Rocklin Rd., Suite 7
 Rocklin, CA 95677

Job:

16-4003 UCDCMC
 Increment 1 Segment A-Hospital Seismic Upgrade
 Sacramento, Ca

BULK ASBESTOS ANALYSIS REPORT

LAB JOB # 63066-2

Date/Time Collected: 6/10/16

Date Received: 6/13/16

NVLAP Lab Code 101442-0

CDPH # 1153

Date Analyzed: 6/14/16

<i>Sample No.</i>	<i>Color/Description</i>	<i>% Type Asbestos</i>	<i>Other Materials</i>
ECG-16-4003-06A	White drywall at corner of wall by entry door by room 1450 in corridor on 1 st floor in University Tower	NONE DETECTED	Gypsum Fibrous Glass
	White joint compound 1	NONE DETECTED	Calcite
	White joint compound 2	NONE DETECTED	Calcite

THE ANALYSIS USES POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING FOLLOWING E.P.A. METHOD 600/R-93/116. NON-FRIABLE MATERIALS WERE ANALYZED APPLYING THE SAME METHOD. THE LOWER DETECTION LIMIT IS <1 % WITH THE PROVISIO THAT PLM MAY NOT DETECT FIBERS <0.25 MICRONS IN DIAMETER THAT MAY BE PRESENT IN SAMPLES SUCH AS FLOOR TILES. IN ACCORDANCE WITH TITLE 22, CCR, SECTION 66261.24(a)(2)(A), THE MCL IS 1%. SAMPLES WERE NOT COLLECTED BY ASBESTECH. THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL WITHOUT THE APPROVAL OF ASBESTECH. THIS REPORT RELATES ONLY TO THE ITEMS TESTED. THIS REPORT MUST NOT BE USED TO CLAIM PRODUCT ENDORSEMENT BY N.V.L.A.P. OR ANY AGENCY OF THE U.S. GOVERNMENT. ASBESTECH ACCEPTS TECHNICAL RESPONSIBILITY FOR THIS REPORT AND DATE OF ISSUE.



BULK ASBESTOS MATERIAL *Analysis Report*

ENTEK CONSULTING GROUP, INC.

4200 ROCKLIN ROAD, SUITE 7

ROCKLIN, CA 95677

(916) 632-6800 PHONE

(916) 632-6812 FAX

mainoffice@entekgroup.com

Date of Sampling: June 10, 2016

Lab: Asbestech

Job Number: 16-4003

Turnaround Time: Day: Wednesday, 6/15/16 5:00 pm

Client Name: UCDCM

Collected by: Rick Beall

Site Address: Increment 1 Segment A -
Hospital Seismic Upgrade
Sacramento, CA

ANALYSIS REQUESTED: Asbestos by PLM with
Dispersion Staining

SAMPLE #	RESULTS	MATERIAL DESCRIPTION/LOCATION
ECG-16-4003-01A	NONE DETECTED	Concrete and white paint from basement north wall near High Voltage Room in East Wing
ECG-16-4003-02A	NONE DETECTED	Plaster from basement partition wall where gas line penetrates upper section in East Wing
ECG-16-4003-03A	NONE DETECTED	White patching material at gas line penetration in wall partition in basement of East Wing
ECG-16-4003-04A	NONE DETECTED	12" vinyl floor tiles (white mottled) with yellow mastic and gray floor filler in Corridor on first floor by Room 1450 in University Tower
ECG-16-4003-05A	NONE DETECTED	12" acoustical ceiling tile attached to drywall substrate in Corridor on first floor by Room 1450 in University Tower
ECG-16-4003-06A	NONE DETECTED	Drywall and joint compound at corner of wall by entry door by Room 1450 in Corridor on first floor in University Tower

Z:\Clients\UCDCM\16-4003 Increment #1 and #2 - Asb & Pb\Bulk Sample Asb\Bulk Report 06-10-16.wpd

ASBESTECH
6825 Fair Oaks Blvd., Suite 103
Carmichael, California 95608
Tel (916) 481-8902
Fax (916) 481-3975

FLAME ATOMIC ABSORPTION SPECTROMETRY
LEAD (Pb) IN PAINT SAMPLES
METHOD SW846-3050B-7420

CLIENT:
Entek Consulting Group, Inc.
4200 Rocklin Rd., Suite 7
Rocklin, CA 95677

CDPH ELAP#1153
ELPAT#101801

JOB I.D: 16-4003, UCDCM,
Increment 1 Segment A-Hospital Seismic Upgrade,
Sacramento, Ca

DATE RECEIVED: 6/13/16

DATE ANALYZED: 6/16/16

LAB JOB NO: 10766

DATE REPORTED: 6/16/16

SAMPLE DATE	SAMPLE NUMBER	DESCRIPTION	PPM	RESULT IN WT%	RL	Q.C. BATCH
6/10/16	ECG-16-4003-01Pb	White paint on concrete north wall in basement near high voltage electrical room in east wing	<50	<0.0050	0.0050%	82

Analytical results and reports are generated at the request and for the exclusive use of the client. This report applies only to the items tested. Samples were not collected by ASBESTECH. This report must not be reproduced except in full, and only with the express permission of ASBESTECH. This report must not be used to claim product endorsement by any agency of the U.S. Government.





BULK LEAD MATERIAL *Analysis Request*

Entek Consulting Group, Inc.

4200 Rocklin Road, Suite 7
 Rocklin, CA 95677
 (916) 632-6800 Phone
 (916) 632-6812 Fax

mainoffice@entekgroup.com

Date of Sampling: June 10, 2016

Job Number: 16-4003

Client Name: UCDCM

Site Address: Increment 1 Segment A - Hospital
 Seismic Upgrade
 Sacramento, CA

Lab: Asbestech

Turnaround Time: Day: Thursday

Date: 6 / 16 / 16 Time: 5:00 pm

Collected by: Rick Beall

ANALYSIS REQUESTED: Lead by Atomic
 Absorption Spectrometry

Special Instruction: *Please report result in PPM and % by weight. Please email results as soon as possible.*

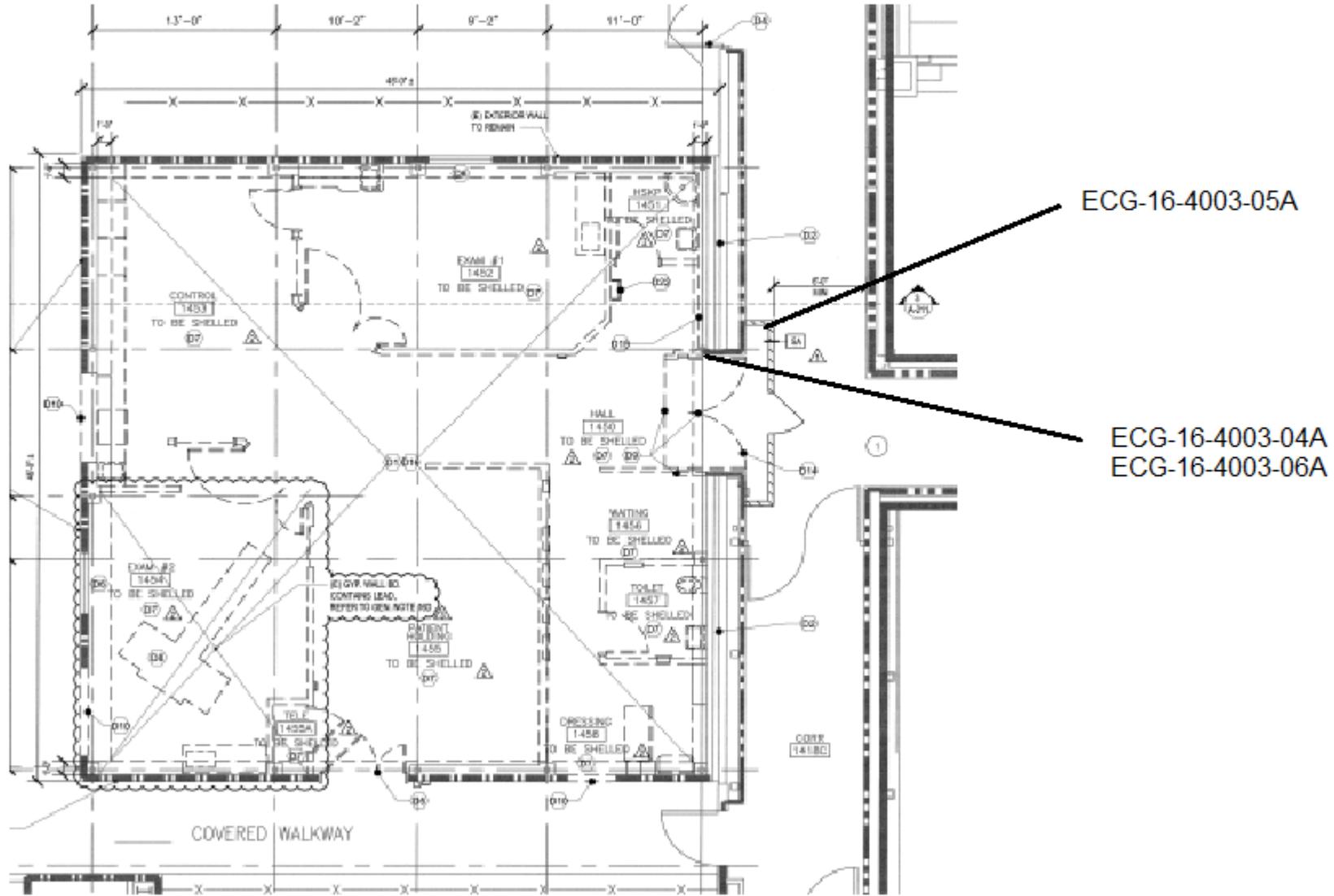
SAMPLE #	MATERIAL DESCRIPTION/LOCATION
ECG-16-4003-01Pb	White paint on concrete north wall in basement near high Voltage Electrical Room in East Wing

Bulk Request Pb 6-10-16.wpd

Delivered by: _____ **Date:** ____ / ____ / ____ **Time:** _____ AM/PM
Received by: _____ **Date:** ____ / ____ / ____ **Time:** _____ AM/PM

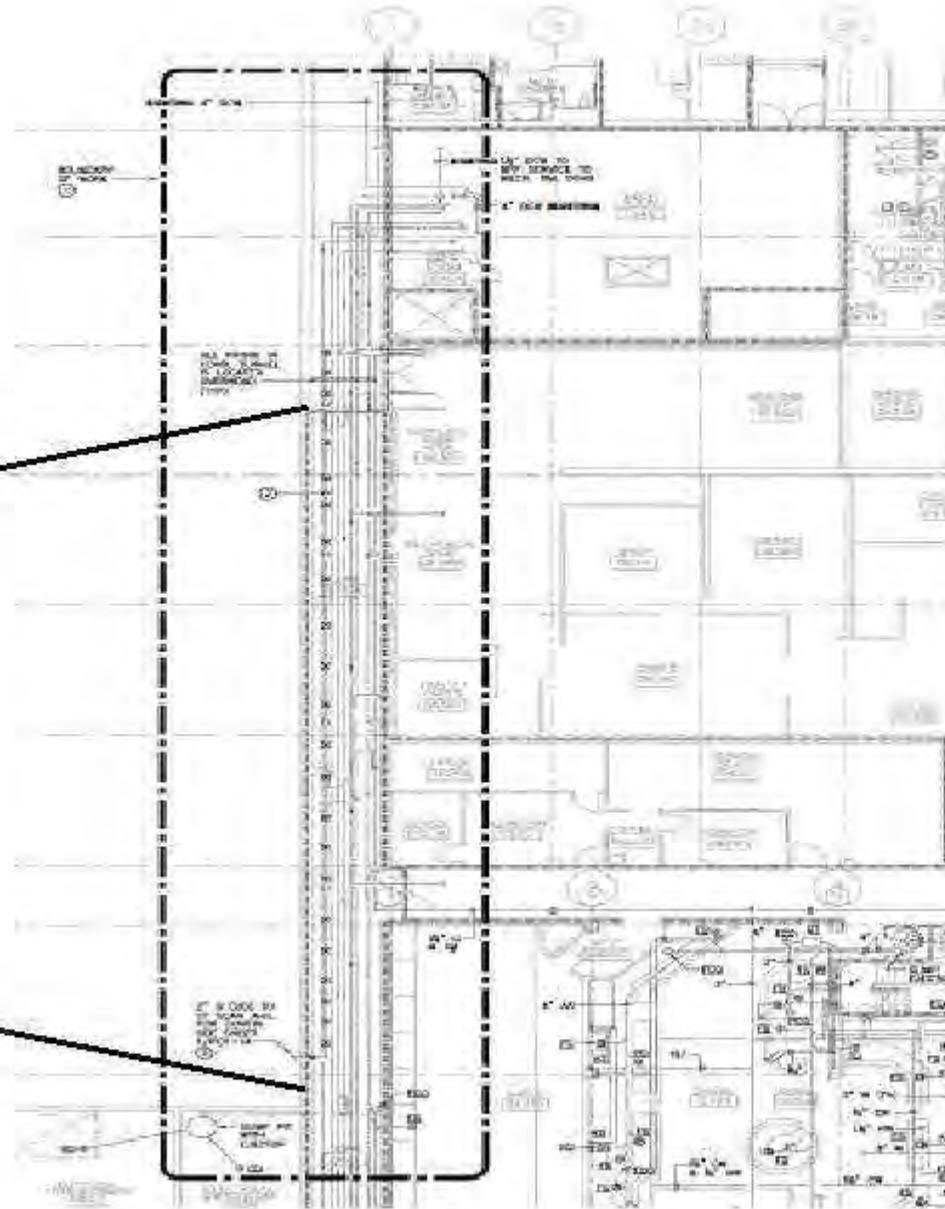
UCDMC Make Ready - Increment 1
Basement East Wing/University Tower
June 10, 2016

Asbestos Bulk Sample Locations
Entek Consulting Group, Inc. Project #16-4003
Rick Beall



Basement East Wing
June 10, 2016

Bulk Asbestos and Lead in Paint Inspection
Entek Consulting Group, Inc. Project #16-4003
Rick Beall



ECG-16-4003-02A
ECG-16-4003-03A

ECG-16-4003-01A
ECG-16-4003-01Pb

GENERAL NOTES

- A. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS BEFORE COMMENCING WORK. REPORT ANY DISCREPANCIES TO THE ARCHITECT IMMEDIATELY.
- B. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE INTERNATIONAL CODE BOOKS AND ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS AND ORDINANCES. ALL WORK SHALL BE PERFORMED BY THE APPROPRIATELY LICENSED AND TRAINED PERSONNEL.
- C. PROVIDE NECESSARY GUARDING TO ALL EXISTING AND NEW WORK AREAS. GUARDING SHALL BE MAINTAINED AT ALL TIMES AS NECESSARY TO PROTECT ADJACENT AREAS.

SHEET NOTES

- 1. BOUNDARY OF WORK SHOWN AND NO OCCUPANCY DURING CONSTRUCTION THERE ARE NO OCCUPANCY RESTRICTIONS.
- 2. REMAINS EXISTING 2" GAS PIPE AND ASSOCIATED COMPONENTS TO REMAIN TO BE REINSTALLED AND SHALL BE OPEN TO AIR.





Asbestos Survey Form

(See Instructions)

777 12th Street, 3rd Floor
 Sacramento, CA 95814
 Office (916) 874-4800
 Fax (916) 874-4899
 Email:
asbestos@airquality.org

1. Purpose of Survey		<input checked="" type="checkbox"/> Renovation		<input type="checkbox"/> Demolition		
2. Facility Information						
Project Area(s) Description East Wing Basement and University Tower First Floor						
Address 4800 2nd Avenue		City Sacramento		# of Structures 1		
3. Owner Information						
Name UC Davis Medical Center						
Address 4800 2 nd Avenue, Suite 3010		City/State Sacramento		Zip 95817		
Contact	Phone	Fax	Email			
Jim Davis	(916) 734-4702	(916) 734-7751	jamdavis@ucdavis.edu			
4. Consultant Information		Survey Date(s): June 10, 2016				
Company Name Entek Consulting Group, Inc.						
Name Rick Beall				DOSH # 92-0032		
Address 4200 Rocklin Road, Suite 7		City/State Rocklin, California		Zip 95677		
Phone (916) 632-6800	Fax (916) 632-6812	Email rbeall@entekgroup.com	Signature 			
5. Client Information (If different than owner)						
<input type="checkbox"/> Architect		<input type="checkbox"/> General Contractor		<input type="checkbox"/> Insurance Company		
<input type="checkbox"/> Property Manager		<input type="checkbox"/> Other				
Name						
Address				City/State		
				Zip 95678		
Contact	Phone	Fax	Email			
6. Have all of the suspect materials that will be disturbed been sampled?						
					<input checked="" type="checkbox"/> Yes	
					<input type="checkbox"/> No	
If no, explain why:						
7. Summary of Total Asbestos Containing Material (ACM) Findings						
Regulated Asbestos Containing Material (RACM) (Includes materials subject to known mechanical removal and fire damaged materials)			Category II		Category I	
Square Ft.	Linear Ft.	Cubic Ft.	Square Ft.	Linear Ft.	Square Ft.	Linear Ft.
0	0	0	0	0	0	0
To receive future SMAQMD Rule updates and changes affecting your industry (check one box):						
<input type="checkbox"/> Please send e-mail notices to			<input type="checkbox"/> I will sign up myself at www.airquality.org/listserve/ to receive emailed notices.			
<input checked="" type="checkbox"/> I am already subscribed.		<input type="checkbox"/> I want the District to mail notices to the address on this application:			<input type="checkbox"/> Owner	<input type="checkbox"/> Consultant



Asbestos Renovation/Demolition Notification Form

777 12th Street, 3rd Floor
Sacramento, CA 95814
Office (916) 874-4800
Fax (916) 874-4899
Asbestos@airquality.org

1	<input type="checkbox"/> Renovation (Do Not Complete items 5 or 6) <input type="checkbox"/> Demolition (Complete all sections)	<input type="checkbox"/> Order Demolition (Complete all sections) <input type="checkbox"/> Emergency Demolition (Complete all sections)
----------	---	--

2	Contractor	Owner
	Address	Address
	City State/ Zip	City State/ Zip
	Email	Email
	Telephone	Telephone

3	Structure Name	Renovation Area	# of Floors
	Address	City/ Zip	Year Built

4	Preference for return of form	<input type="checkbox"/> E-mail (see instructions) _____	US Mail: <input type="checkbox"/> Contractor <input type="checkbox"/> Owner	<input type="checkbox"/> Pick up (after two working days)
----------	-------------------------------	--	--	---

SECTIONS 5 & 6 - DEMOLITIONS ONLY - NOTE: Start date must be at least 10 working days from the day of your postmark or hand delivery of this for to SMAQMD

5	Start Date: _____ / _____ / _____	Completion Date: _____ / _____ / _____	Emergency Demo # _____
----------	-----------------------------------	--	------------------------

6	Revision # 1 2 3 4 5 6 7 8 9 (circle)	
	Old Start Date _____ / _____ / _____	New Start Date _____ / _____ / _____
	Old Completion Date _____ / _____ / _____	New Completion Date _____ / _____ / _____
	Method of Demo: Procedure to be followed if RACM is found or Category II material becomes friable:	

SECTION 7 - Attach completed Asbestos Survey Form and Consultant's report or have DOSH Consultant complete section 7

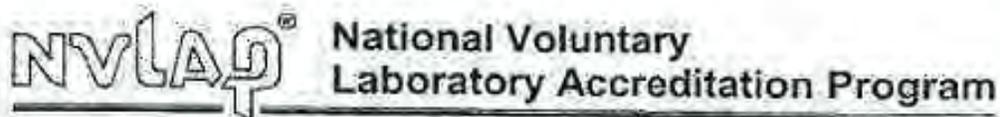
7	Company Name: Entek Consulting Group, Inc.	Telephone: 916-632-6800	
	Surveyor's Name Rick Beall	DOSH # 92-0032	
	Analytical Procedure: PLM by Dispersion Staining	Survey Date: June 10, 2016	
	Amount of RACM Square Feet 0	Linear Feet 0	Cubic Feet 0
	Amount of Category I 0	Amount of Category II 0	
	Project Address: 4800 2nd Avenue	City Sacramento	Zip 95817
	Suspect Materials Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Consultant's Signature	

I have read and understand the directions. The information on this form is true and accurate.

8	I certify that the asbestos survey conducted on _____ (date) represents the facility as built. _____ (initial)		Permit shall not be issued prior to:
	Application Name (Print)	<input type="checkbox"/> Owner <input type="checkbox"/> Rep / Agent <input type="checkbox"/> Contractor	
	Phone Number	Date	
	Applicant's Signature		

SMAQMD USE ONLY:

Project # _____	Received Date/ Postmark _____	Date Form Returned _____	Initial _____
Check # _____	Receipt # _____	Amount Paid _____	Staff _____ Date Approved _____



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

ASBESTECH
6825 Fair Oaks Blvd., Suite 103
Carmichael, CA 95608
Mr. Tommy Conlon
Phone: 916-481-8902 Fax: 916-481-3975
E-Mail: asbestech@sbcglobal.net
URL: <http://www.asbestechlab.com>

BULK ASBESTOS FIBER ANALYSIS (PLM)

NVLAP LAB CODE 101442-0

<i>NVLAP Code</i>	<i>Designation / Description</i>
18/A01	EPA 600/M4-82-020: Interim Method for 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

2015-07-01 through 2016-06-30

Effective dates

A handwritten signature in black ink, appearing to read "William R. Mudd".

For the National Institute of Standards and Technology

United States Department of Commerce
National Institute of Standards and Technology



Certificate of Accreditation to ISO/IEC 17025:2005

NVLAP LAB CODE: 101442-0

ASBESTECH
Carmichael, CA

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

BULK ASBESTOS FIBER ANALYSIS

*This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005.
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality
management system (refer to joint ISO-ILAC-IAF Communiqué dated January 2009).*

2015-07-01 through 2016-06-30

Effective dates



A handwritten signature in black ink, appearing to read "William R. Mallard".

For the National Institute of Standards and Technology



STATE WATER RESOURCES CONTROL BOARD
REGIONAL WATER QUALITY CONTROL BOARDS

CALIFORNIA STATE



ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

CERTIFICATE OF ENVIRONMENTAL ACCREDITATION

Is hereby granted to

Asbestech

6825 Fair Oaks Boulevard, Suite 103
Carmichael, CA 95608

Scope of the certificate is limited to the
"Fields of Testing"
which accompany this Certificate.

Continued accredited status depends on successful completion of on-site inspection,
proficiency testing studies, and payment of applicable fees.

This Certificate is granted in accordance with provisions of
Section 100825, et seq. of the Health and Safety Code.

Certificate No.: **1153**

Expiration Date: **3/31/2018**

Effective Date: **4/1/2016**

A handwritten signature in cursive script, appearing to read "Christine Sotelo".

Sacramento, California
subject to forfeiture or revocation

Christine Sotelo, Chief
Environmental Laboratory Accreditation Program



CALIFORNIA STATE ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM Accredited Fields of Testing



Asbestech

6825 Fair Oaks Boulevard, Suite 103 Carmichael, CA 95608 Phone: (916) 481-8902

Certificate No. 1153 Expiration Date 3/31/2018

Field of Testing: 114 - Inorganic Chemistry of Hazardous Waste

114.130 001 Lead EPA 7420

Field of Testing: 115 - Extraction Test of Hazardous Waste

115.021 001 TCLP Inorganics EPA 1311

115.030 001 Waste Extraction Test (WET) CCR Chapter 11, Article 5, Appendix II

Field of Testing: 121 - Bulk Asbestos Analysis of Hazardous Waste

121.010 001 Bulk Asbestos EPA 600/M4-82-020

Environmental Lead Proficiency Analytical Testing Results

This document contains three sub-reports relating to ELPAT Round 94. The first report contains your organization's results listed per contaminant, per sample. The second report contains your past proficiency data for 2 and 4 rounds respectively (where applicable), and the final report contains summary results for all participants for ELPAT Round 94.

Testing Results for ELPAT Round 94

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

Contaminant	Units	#	Result	Reference Value	Lower Limit	Upper Limit	z-Score	Rating
Paint Chips	%	1	0.1510	0.1527	0.1222	0.1833	-0.2	A
	%	2	1.3100	1.3513	1.1483	1.5543	-0.6	A
	%	3	3.2300	3.6693	2.9698	4.3688	-1.9	A
	%	4	0.0373	0.0364	0.0264	0.0464	0.3	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 are used to predict trends and to indicate how far a particular score is away from the mean.

A – Acceptable* Analysis; U - Unacceptable Analysis

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. This is why a reported result may appear unacceptable according to z-Score, but be identified as acceptable.

Any non-participation or non-reporting of PAT data will result in unacceptable results (see PAT Programs Participation Policies, Section 2.1.6.2.).

Overall Performance Summary Concluding with 94

The following table contains overall proficiency results for 2 and 4 rounds respectively (where applicable). For more information in regard to the determination of proficiency, please visit www.aihapat.org.

Sample	Round	Round Performance	2 Rounds	2 Round %	4 Rounds	4 Round %	Proficiency Status
Paint	91	4/4					
	92	4/4					
	93	4/4					
	94	4/4	8/8	100	16/16	100	P

Interpretation Note:

The denominators represent the total number of samples analyzed.

The numerators represent the number of acceptable results.

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

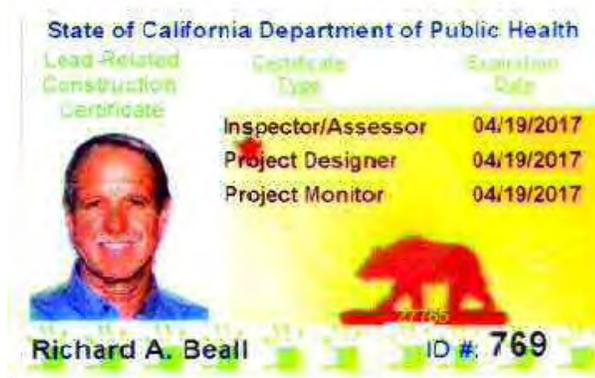
A participant is rated proficient for the applicable ELPAT matrix if the participant's performance meets any of the following: (1) In the last two rounds, all samples are analyzed and the results are 100% acceptable; or (2) Three fourths (75%) or more of the accumulated results over four rounds are acceptable. A participant is rated non-proficient for the applicable matrix if the participant's performance does not meet either of the proficiency categories mentioned above.

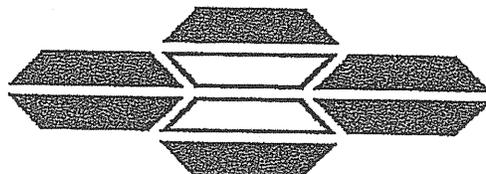
The following items are available in the [Environmental Lead Scheme Plan](#).

Procedures used to statistically analyze the data; establish any assigned value and standard deviation for proficiency assessment, or other criteria for evaluation; details of the metrological traceability and measurement uncertainty of any assigned value; information about design and implementation of PT scheme. Environmental Lead Scheme Plan available at <http://www.aihapat.org/documents-policies-fees/Pages/default.aspx>.

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

Technical Comment: No remarkable observations.





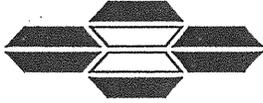
ASBESTOS TEM LABORATORIES, INC.

**EPA Interim Method
Polarized Light Microscopy
Analytical Report**

Laboratory Job # 1052-00001

1409 Fifth Street
Berkeley, CA 94710
(510) 528-0108
FAX (510) 528-0109
www.asbestostemplabs.com

With Branch Offices Located At:
1016 GREG STREET, SPARKS, NV 89431
Ph. (775) 359-3377



ASBESTOS TEM LABORATORIES, INC

Accredited by
U.S. Dept. of Commerce
NVLAP
CA DOHS ELAP

May-28-04

Mr. Jeff Hurst
Occutec Inc. / ITSI
6501 E. Commerce, Ste. 230
Kansas City, MO 64120

RE: LABORATORY JOB # 1052-00002
Polarized light microscopy analytical results for 73 bulk sample(s) with 35 sample split(s)
Job Site: UC Davis Davis Medical Center - Davis Tower
Job No.: 94055

Enclosed please find the bulk material analytical results for one or more samples submitted for asbestos analysis. The analyses were performed in accordance with EPA Method 600/R-93/116 or 600/M4-82-020 for the determination of asbestos in bulk building materials by polarized light microscopy (PLM). Please note that while PLM analysis is commonly performed on non-friable and fine grained materials such as floor tiles and dust, the EPA method recognizes that PLM is subject to limitations. In these situations, accurate results may only be obtainable through the use of more sophisticated and accurate techniques such as transmission electron microscopy (TEM) or X-ray diffraction (XRD).

Prior to analysis, samples are logged-in and all data pertinent to the sample recorded. The samples are checked for damage or disruption of any chain-of-custody seals. A unique laboratory ID number is assigned to each sample. A hard copy log-in sheet containing all pertinent information concerning the sample is generated. This and all other relevant paper work are kept with the sample throughout the analytical procedures to assure proper analysis.

Each sample is opened in a class 100 HEPA negative air hood. A representative sampling of the material is selected and placed onto a glass microscope slide containing a drop of refractive index oil. The glass slide is placed under a polarizing light microscope where standard mineralogical techniques are used to analyze and quantify the various materials present, including asbestos. The data is then compiled into standard report format and subjected to a thorough quality assurance check before the information is released to the client.

Sincerely Yours.

A handwritten signature in cursive script, appearing to read "Stephen A. Shaffner".

Lab Manager
ASBESTOS TEM LABORATORIES, INC.

--- These results relate only to the samples tested and must not be reproduced, except in full, with the approval of the laboratory. This report must not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. ---

POLARIZED LIGHT MICROSCOPY ANALYTICAL REPORT

EPA Method 600/R-93/116 or 600/M4-82-020

Page: 1 of 7

Contact: Mr. Jeff Hurst Address: Occutec Inc. / ITSI 6501 E. Commerce, Ste. 230 Kansas City, MO 64120		Samples Indicated: 52 Reg. Samples Analyzed: 52 Split Layers Analyzed: 11 Job Site / No. UC Davis University Tower	Report No. 043754 Date Submitted: May-07-04 Date Reported: May-28-04	
SAMPLE ID	% ASBESTOS TYPE	OTHER DATA		DESCRIPTION
		1) Non-Asbestos Fibers 2) Matrix Materials 3) Date/Time Collected 4) Date Analyzed	FIELD	LAB
VT1DW17-2 Lab ID # 1052-00001-001A	None Detected	1) None Detected 2) 99-100% Gyp, Other m.p.	3) May-28-04 4) May-28-04	Viewing 1644A. White Drywall & Mud Sheetrock-White
VT1DW17-2 Lab ID # 1052-00001-001B	None Detected	1) None Detected 2) 99-100% Calc, Bndr, Mica, Other m.p.	3) May-28-04 4) May-28-04	Viewing 1644A. White Drywall & Mud Mud-Off-White
VT1FP18-1 Lab ID # 1052-00001-002	None Detected	1) None Detected 2) 99-100% Gyp, Other m.p.	3) May-06-04 4) May-07-04	Waiting 1670. Dark Gray Fireproofing Fireproofing-Grey
VT1PL19-1 Lab ID # 1052-00001-003	None Detected	1) None Detected 2) 99-100% Calc, Other m.p.	3) May-06-04 4) May-07-04	Corridor 1620. White Plaster Wall Plaster-White
VT1CT20-1 Lab ID # 1052-00001-004	None Detected	1) 80-100% Cellulose, Mineral Wool 2) <1% Other m.p.	3) May-06-04 4) May-07-04	Viewing 1644A. 2x4 White Ceiling Tile w/Gray Streaks Ceiling Tile-Grey
VT1FP21-1 Lab ID # 1052-00001-005	None Detected	1) 10-20% Cellulose, Mineral Wool 2) 80-90% Vermiculite, Calc, Other m.p.	3) May-06-04 4) May-07-04	Corridor Entry 1611. Beige Fireproofing Fireproofing-Brown
VT1FP22-1 Lab ID # 1052-00001-006	None Detected	1) 40-50% Cellulose 2) 50-60% Calc, Other m.p.	3) May-06-04 4) May-07-04	Viewing 1644A. Light Gray Fireproofing Fireproofing-Grey
VT2CT23-1 Lab ID # 1052-00001-007	None Detected	1) 80-100% Cellulose, Mineral Wool 2) <1% Other m.p.	3) May-06-04 4) May-07-04	Corridor 2601. 2x2 White CT Pinholes Ceiling Tile-Grey
VT2CT24-1 Lab ID # 1052-00001-008	None Detected	1) 80-100% Cellulose, Mineral Wool 2) <1% Other m.p.	3) May-06-04 4) May-07-04	Corridor 2600A. 2x2 White CT Irregular Holes Ceiling Tile-Grey
VT2DW25-1 Lab ID # 1052-00001-009A	None Detected	1) None Detected 2) 99-100% Gyp, Other m.p.	3) May-06-04 4) May-28-04	Corridor 2600A. 2x2 White Drywall Sheetrock-White

Detection Limit of Method is Estimated to be 1% Asbestos Using a Visual Area Estimation Technique

Lab QC Reviewer _____

Analyst _____

ASBESTOS TEM LABORATORIES, INC. 1409 FIFTH STREET, BERKELEY, CA 94710 (510) 528-0108
www.asbestostemplabs.com With Offices in Reno, NV (775) 359-3377

POLARIZED LIGHT MICROSCOPY ANALYTICAL REPORT

EPA Method 600/R-93/116 or 600/M4-82-020

Page: 3 of 7

Contact: Mr. Jeff Hurst	Samples Indicated: 52	Report No. 043754
Address: Occutec Inc. / ITSI	Reg. Samples Analyzed: 52	Date Submitted: May-07-04
6501 E. Commerce, Ste. 230	Split Layers Analyzed: 11	Date Reported: May-28-04
Kansas City, MO 64120	Job Site / No. UC Davis University Tower	

SAMPLE ID	ASBESTOS %	ASBESTOS TYPE	OTHER DATA	DESCRIPTION
			1) Non-Asbestos Fibers 2) Matrix Materials 3) Date/Time Collected 4) Date Analyzed	FIELD LAB
VT4FP33-1 Lab ID # 1052-00001-017	None Detected		1) 70-90% Cellulose, Mineral Wool 2) 10-30% Vermiculite, Gyp, Other m.p.	Elevator Lobby 4605. Brown Fireproofing
			3) May-06-04 4) May-07-04	Fireproofing-Brown
VT4DC34-1 Lab ID # 1052-00001-018	None Detected		1) None Detected 2) 99-100% Calc, Bndr, Mica, Other m.p.	Corridor 4601. White Drywall Mud
			3) May-06-04 4) May-07-04	Mud-White
VT4CT35-1 Lab ID # 1052-00001-019	None Detected		1) 70-90% Cellulose, Mineral Wool 2) 10-30% Other m.p.	Corridor 4601. White 2x2 CT
			3) May-06-04 4) May-07-04	Ceiling Tile-Brown
VT5CT36-1 Lab ID # 1052-00001-020	None Detected		1) 70-90% Cellulose, Mineral Wool 2) 10-30% Other m.p.	Corridor 5601. White 2x2 CT
			3) May-06-04 4) May-07-04	Ceiling Tile-Brown
VT5DC37-1 Lab ID # 1052-00001-021	None Detected		1) None Detected 2) 99-100% Calc, Bndr, Mica, Other m.p.	Corridor 5601. White Drywall Mud
			3) May-06-04 4) May-07-04	Mud-White
VT5DW38-1 Lab ID # 1052-00001-022	None Detected		1) 70-90% Cellulose, Mineral Wool 2) 10-30% Vermiculite, Gyp, Other m.p.	Elevator Lobby 5605. Brown Fireproofing
			3) May-06-04 4) May-07-04	Fireproofing-Brown
VT5FP39-1 Lab ID # 1052-00001-023A	None Detected		1) None Detected 2) 99-100% Gyp, Other m.p.	Elevator Lobby 5605. White Drywall
			3) May-06-04 4) May-28-04	Sheetrock-White
VT5FP39-1 Lab ID # 1052-00001-023B	None Detected		1) None Detected 2) 99-100% Calc, Bndr, Mica, Other m.p.	Elevator Lobby 5605. White Drywall
			3) May-06-04 4) May-28-04	Mud-Off-White
VT6CT40-1 Lab ID # 1052-00001-024	None Detected		1) 70-90% Cellulose, Mineral Wool 2) 10-30% Other m.p.	Corridor 6601. 2x2 White CT Pinholes
			3) May-06-04 4) May-07-04	Ceiling Tile-Brown
VT6DC41-1 Lab ID # 1052-00001-025	None Detected		1) None Detected 2) 99-100% Calc, Bndr, Mica, Other m.p.	Freight Elevator Lobby 6603. White Drywall Mud
			3) May-06-04 4) May-07-04	Mud-White

Detection Limit of Method is Estimated to be 1% Asbestos Using a Visual Area Estimation Technique

Lab QC Reviewer _____

Analyst _____

ASBESTOS TEM LABORATORIES, INC. 1409 FIFTH STREET, BERKELEY, CA 94710 (510) 528-0108
www.asbestostemplabs.com With Offices in Reno, NV (775) 359-3377

POLARIZED LIGHT MICROSCOPY ANALYTICAL REPORT

EPA Method 600/R-93/116 or 600/M4-82-020

Page: 4 of 7

Contact: Mr. Jeff Hurst Address: Occutec Inc. / ITSI 6501 E. Commerce, Ste. 230 Kansas City, MO 64120		Samples Indicated: 52 Reg. Samples Analyzed: 52 Split Layers Analyzed: 11 Job Site / No. UC Davis University Tower	Report No. 043754 Date Submitted: May-07-04 Date Reported: May-28-04
SAMPLE ID	% ASBESTOS TYPE	OTHER DATA	DESCRIPTION
		1) Non-Asbestos Fibers 2) Matrix Material 3) Date/Time Collected 4) Date Analyzed	FIELD LAB
VT6FP42-1 Lab ID # 1052-00001-026	None Detected	1) 70-90% Cellulose, Mineral Wool 2) 10-30% Vermiculite, Other m.p. 3) May-06-04 4) May-07-04	Elevator Lobby 6605. Brown Fireproofing Fireproofing-Brown
VT6DW43-1 Lab ID # 1052-00001-027A	None Detected	1) None Detected 2) 99-100% Gyp, Other m.p. 3) May-06-04 4) May-28-04	Elevator Lobby 6605. White Drywall Sheetrock-White
VT6DW43-1 Lab ID # 1052-00001-027B	None Detected	1) None Detected 2) 99-100% Calc, Bndr, Mica, Other m.p. 3) 4) May-28-04	Elevator Lobby 6605. White Drywall Mud-Off-White
VT7FP44-1 Lab ID # 1052-00001-028	None Detected	1) 70-90% Cellulose, Mineral Wool 2) 10-30% Gyp, Other m.p. 3) May-06-04 4) May-07-04	Elevator Lobby 7600. Brown Fireproofing Fireproofing-Brown
VT7CT45-1 Lab ID # 1052-00001-029	None Detected	1) 70-90% Cellulose, Mineral Wool 2) 10-30% Other m.p. 3) May-06-04 4) May-07-04	Corridor 7601. 2x2 White Ct w/Gry Streaks Ceiling Tile-Brown
VT7DW46-1 Lab ID # 1052-00001-030A	None Detected	1) None Detected 2) 99-100% Gyp, Other m.p. 3) May-06-04 4) May-28-04	Service Elevator Lobby 7603. White Drywall Sheetrock-White
VT7DW46-1 Lab ID # 1052-00001-030B	None Detected	1) None Detected 2) 99-100% Calc, Bndr, Mica, Other m.p. 3) 4) May-28-04	Service Elevator Lobby 7603. White Drywall Mud-Off-White
VT8CT47-1 Lab ID # 1052-00001-031	None Detected	1) 70-90% Cellulose, Mineral Wool 2) 10-30% Other m.p. 3) May-06-04 4) May-07-04	Corridor 8601. 2x2 White CT Pinholes & Fissures Ceiling Tile-Brown
VT8DW48-1 Lab ID # 1052-00001-032A	None Detected	1) None Detected 2) 99-100% Gyp, Other m.p. 3) May-06-04 4) May-28-04	Corridor 8601. White Drywall Sheetrock-White
VT8DW48-1 Lab ID # 1052-00001-032B	None Detected	1) None Detected 2) 99-100% Calc, Bndr, Mica, Other m.p. 3) 4) May-28-04	Corridor 8601. White Drywall Mud-Off-White

Detection Limit of Method is Estimated to be 1% Asbestos Using a Visual Area Estimation Technique

Lab QC Reviewer _____

Analyst _____

ASBESTOS TEM LABORATORIES, INC. 1409 FIFTH STREET, BERKELEY, CA 94710 (510) 528-0108
www.asbestostemplabs.com With Offices in Reno, NV (775) 359-3377

POLARIZED LIGHT MICROSCOPY ANALYTICAL REPORT

EPA Method 600/R-93/116 or 600/M4-82-020

Page: 5 of 7

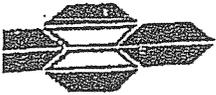
SAMPLE ID		ASBESTOS TYPE	OTHER DATA 1) Non-Asbestos Fibers 2) Matrix Materials 3) Date/Time Collected 4) Date Analyzed	DESCRIPTION FIELD LAB
Contact: Mr. Jeff Hurst		Samples Indicated: 52	Report No. 043754	
Address: Occutec Inc. / ITSI 6501 E. Commerce, Ste. 230 Kansas City, MO 64120		Reg. Samples Analyzed: 52	Date Submitted: May-07-04	
		Split Layers Analyzed: 11	Date Reported: May-28-04	
		Job Site / No. UC Davis University Tower		
VT8FP49-1	None Detected	1) 70-90% Cellulose, Mineral Wool 2) 10-30% Other m.p., Gyp, Mica	Corridor 8601. Light gray fireproofing	
Lab ID # 1052-00001-033			3) May-06-04 4) May-07-04 Fireproofing-Grey	
VT8DW50-1	None Detected	1) None Detected 2) 99-100% Gyp, Other m.p.	Elevator Lobby 8605. White Ceiling Drywall	
Lab ID # 1052-00001-034A			3) May-06-04 4) May-28-04 Shetrock-White	
VT8DW50-1	None Detected	1) None Detected 2) 99-100% Calc, Bndr, Mica, Other m.p.	Elevator Lobby 8605. White Ceiling Drywall	
Lab ID # 1052-00001-034B			3) May-06-04 4) May-28-04 Mud-Off-White	
VTGCT1-1	None Detected	1) 70-90% Cellulose, Mineral Wool 2) 10-30% Other m.p.	Corridor 610. 2x2 White CT Bumps No Holes	
Lab ID # 1052-00001-035			3) May-06-04 4) May-07-04 Ceiling Tile-Grey	
VTGCT2-1	None Detected	1) 100-120% Cellulose, Mineral Wool 2) -20-0% Other m.p.	Corridor 610. 2x2 White CT Pinholes evenly disbursed	
Lab ID # 1052-00001-036			3) May-06-04 4) May-07-04 Ceiling Tile-Grey	
VTGCT3-1	None Detected	1) 70-90% Cellulose, Mineral Wool 2) 10-30% Other m.p.	Corridor 610. 2x2 White CT Fissures & Holes	
Lab ID # 1052-00001-037			3) May-06-04 4) May-07-04 Ceiling Tile-Grey	
VTGCT4-1	None Detected	1) 70-90% Cellulose, Mineral Wool 2) 10-30% Other m.p.	G624. 2x4 White CT Holes & Fissures	
Lab ID # 1052-00001-038			3) May-06-04 4) May-07-04 Ceiling Tile-Grey	
VTGCT5-1	None Detected	1) 70-90% Cellulose, Mineral Wool 2) 10-30% Other m.p.	G620 Corridor. 2x2 White CT Pinholes Small & Large	
Lab ID # 1052-00001-039			3) May-06-04 4) May-07-04 Ceiling Tile-Grey	
VTGCT6-1	None Detected	1) 70-90% Cellulose, Mineral Wool 2) 10-30% Other m.p.	Corridor 7909. 2x2 White CT w/Gray Streaks	
Lab ID # 1052-00001-040			3) May-06-04 4) May-07-04 Ceiling Tile-Grey	
VTGFP7-1	None Detected	1) 60-80% Cellulose, Mineral Wool 2) 20-40% Calc, Gyp, Other m.p.	Corridor 7909. 2x2 Gray Fireproofing	
Lab ID # 1052-00001-041			3) May-06-04 4) May-07-04 Fireproofing-Grey	

Detection Limit of Method is Estimated to be 1% Asbestos Using a Visual Area Estimation Technique

Lab QC Reviewer _____

Analyst _____

ASBESTOS TEM LABORATORIES, INC. 1409 FIFTH STREET, BERKELEY, CA 94710 (510) 528-0108
www.asbestostemplabs.com With Offices in Reno, NV (775) 359-3377



ASBESTOS TEST LABORATORIES, INC.

1409 Fifth Street, Suite C Berkeley, CA 94710 Ph: (510) 528-0108 Fax: (510) 528-0109

816-564-2435

***** BULK SAMPLE SUBMISSION FORM / CHAIN-OF-CUSTODY REPORT *****

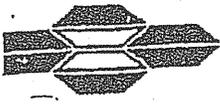
Company: OccuTec Inc./ITSI Analysis Requested/Turnaround: PLM ASAP.
 Address: 6501 E. Commerce St 230. Job Site: UC Davis University Tower.
 City-State-Zip: Kansas City, Mo. 64120 Job No: _____ P.O. #: _____
 Contact: Jeff Hurst Phone: 816-231-5580 FAX: 816-231-5641

SAMPLE NUMBER	DATE/TIME	LOCATION	DESCRIPTION
UT1DW17-2	5/6/04	Viewing 1644A	White Drywall & Mud.
UT1FP18-1		Waiting 1670	Dark Gray Fireproofing
UT1PL19-1		Corridor 620	White Plaster Wall
UT1CT20-1		Viewing 1644A	2x4 White Gypsum Tile w/Gray Streets
UT1FP21-1		Corridor Entry 1611	Beige Fireproofing
UT1FP22-1		Viewing 1644A	Light Gray Fireproofing
UT2CT23-1		Corridor 2601	2x2 White CT Pinholes
UT2CT24-1		Corridor 2600A	2x2 White CT Irregular Holes
UT2DW25-1		⊥	White Drywall
UT2FP26-1		⊥	Brown Fireproofing
UT2CT27-1		⊥	White 2x4 CT Holes & Fissures 2nd fl
UT2FP28-1		⊥	Light Gray Fiberglass Fireproofing
UT3CT29-1		Corridor 3601	2x2 White CT Pinholes
UT3DW30-1		Elevator Lobby 3605	White Drywall
UT3FP31-1		⊥	Brown Fireproofing
UT4DW32-1		Elevator Lobby 4605	White Drywall
UT4FP33-1		⊥	Brown Fireproofing
UT4DC34-1		Corridor 4601	White Drywall Mud.

Special Instructions: _____

Relinquished By:	Date / Time	Received By:
Name/Company <u>Jeff Hurst OccuTec/ITSI</u>	<u>5/6/04 4:00</u>	<u>05-07-04 11:52 REVD</u>
Signature <u>[Signature]</u>		Name/Company <u>GD/ITSI</u>
Name/Company		Signature
Signature		Name/Company
		Signature

Send Original to Lab - Keep A Copy for Record



ASBESTOS TEM LABORATORIES, INC. Call w/ Verbal

1409 Fifth Street, Suite C Berkeley, CA 94710 Ph: (510) 528-0108 Fax: (510) 528-0109

816-564-2435

** BULK SAMPLE SUBMISSION FORM / CHAIN-OF-CUSTODY REPORT ***

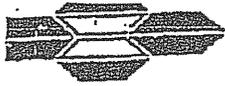
Company: OccuTec Inc/ITSE Analysis Requested/Turnaround: PLM ASAP
 Address: 6501 E Commerce Ste 200 Job Site: UC-Davis University Tower
 City-State-Zip: Kansas City, Mo 64120 Job No: _____ P.O. #: _____
 Contact: Jeff Hurst Phone: 816-231-5580 FAX: 816-231-5641

SAMPLE NUMBER	DATE/TIME	LOCATION	DESCRIPTION
UT4CT35-1	5/6/04	White 2x2 Ceiling ^{Corridor 4601}	White 2x2 CT
UT5CT36-1		Corridor 5601	White 2x2 CT
UT5DC37-1		+	White Drywall Mud
UT5DW38-1		Elevator Lobby 5605	Brown Fireproofing
UT5FP39-1		+	White Drywall
UT6CT40-1		Corridor 6601	2x2 White CT Pinholes
UT6DC41-1		Freight Elevator Lobby 6603	White Drywall Mud
UT6FP42-1		Elevator Lobby 6605	Brown Fireproofing
UT6DW43-1		+	White Drywall
UT7FP44-1		Elevator Lobby 7600	Brown Fireproofing
UT7CT45-1		Corridor 7601	2x2 White CT w/ Gray Streaks
UT7DW46-1		Service Elevator Lobby 7603	White Drywall
UT8CT47-1		Corridor 8601	2x2 White CT Pinholes & Fissures
UT8DW48-1		+	White Drywall
UT8FP49-1		+	Light Gray Fireproofing
UT8DW50-1		Elevator Lobby 8605	White Ceiling Drywall

Special Instructions: _____

Relinquished By:	Date / Time	Received By:
Name/Company <u>Jeff Hurst OccuTec Inc</u>	<u>5/6/04 4:00</u>	Name/Company <u>JD/ITSE</u>
Signature <u>[Signature]</u>		Signature _____
Name/Company _____		Name/Company _____
Signature _____		Signature <u>05-07-04A09:53 RCVD</u>

Send Original to Lab - Keep A Copy for Record



1409 Fifth Street, Suite C Berkeley, CA 94710 Ph: (510) 528-0108 Fax: (510) 528-0109

816-364-

*** BULK SAMPLE SUBMISSION FORM / CHAIN-OF-CUSTODY REPORT *** 2435

Client: OcuTec Inc./ITSE
 Address: 6501 E Commerce Ste 230
 City-State-Zip: Kansas City, Mo 64120
 Contact: Jeff Hurst

Analysis Requested/Turnaround: PLM ASAP
 Job Site: UC Davis University Tower
 Job No: _____ P.O. #: _____
 Phone: 816-291-5580 FAX: 816-231-5641

SAMPLE NUMBER	DATE/TIME	LOCATION	DESCRIPTION
UTGCT1-1	5/6/04	Corridor 610	2x2 ^{White} CT Bumps No Holes
UTGCT2-1			2x2 White CT Pinholes Evenly Disbursed
UTGCT3-1			2x2 White CT Fissures & Holes
UTGCT4-1		G624	2x4 White CT Holes & Fissures
UTGCT5-1		G620 Corridor	2x2 White CT Pinholes Small & Large
UTGCT6-1		Corridor 7909	2x4 White CT w/ Gray Streaks
UTGFP7-1			Gray Fireproofing
UTGDW8-1			White Drywall & Mud
UTGDW8-2			2x4 white CT White Drywall & Mud
UTGCT9-1		Men 752	2x4 White CT Smooth
UTGCT10-1		630C	2x4 White CT Pinholes & Larger Holes
UTGPL11-1		Work Room 630	White Plaster Wall
UTLSA12-1		Elevator Lobby 1600	White Sprays Applied Ceiling Texture
UTIDT13-1		Elevator Lobby 1605	White Duct Tape
UTICT14-1			White 1x1 Spline CT Bumps
UTICT15-1			White 1x1 Spline CT Gray Streaks
UTICT16-1		Waiting 1670	2x2 White CT w/ holes
UTIDW17-1			White Drywall & Mud

Special Instructions: _____

Relinquished By: <u>Jeff Hurst</u>	Date / Time	Received By:
Name/Company <u>OcuTec/ITSE</u>	<u>5/6/04 400</u>	Name/Company <u>05-07-01409:53 RCVD</u>
Signature <u>[Signature]</u>		Signature <u>[Signature]</u>
Name/Company		Name/Company
Signature		Signature

Send Original to Lab - Keep A Copy for Record



**ENTEK
CONSULTING GROUP, INC.**

4200 Rocklin Road, Suite 7, Rocklin, CA 95677 Phone (916) 632-6800 Fax (916) 632-6812 www.entekgroup.com

**HAZARDOUS MATERIALS SURVEY
FINAL REPORT**

CLIENT

**UC Davis Medical Center
Facilities Design & Construction
4800 2nd Avenue, Suite 3010
Sacramento, CA 95817**

CONTACT

**Mr. Tom Richey
Senior Project Manager**

SURVEY ADDRESS

**UC Davis Medical Center
2315 Stockton Blvd.
Sacramento, CA 95817**

BUILDING AREAS SURVEYED

**Davis Tower 3rd Floor OBGYN
Equipment Room (3765), Office (3767)
and Equipment Closet (3770A)**

PREPARED BY

**Matt Reilly
CAC #18-6208
Entek Consulting Group, Inc.
4200 Rocklin Road, Suite 7
Rocklin, CA 95677**

Entek Project #18-4902

January 23, 2019



TABLE OF CONTENTS

Executive Summary.	3
Introduction.	4
Building Description.	4
Asbestos Inspection and Sample Collection Protocols.	4
Asbestos Bulk Sample Results.	5
Asbestos Regulatory Requirements.	6
Limitations.	6

Appendices

- A. Asbestos Related Documents
- B. Backup Documentation



Executive Summary

The United States Environmental Protection Agency, National Emission Standards for Hazardous Air Pollutants (US EPA NESHAP), 40 CFR Part 61, requires an owner or operator of a demolition or renovation project to thoroughly inspect the affected facility or part of the facility where the demolition or renovation operation will occur for the presence of asbestos-containing materials (ACM) prior to the commencement of that project.

This inspection report was requested by Mr. Tom Richey, Senior Project Manager with UC Davis Medical Center (UCDMC) Facilities Design & Construction.

The purpose of the inspection was to comply with US EPA NESHAP requirements and the Sacramento Metropolitan Air Quality Management District (SMAQMD) which has jurisdiction for this project site to determine if asbestos containing materials are present which may be impacted during the upcoming Davis Tower OBGYN Rooms 3765, 3767 and 3770A Renovation Project.

The attached drawing shows approximate sample locations and also identify those bulk sample materials analyzed and found to contain asbestos greater than 1% with a (+) after the sample number. Materials analyzed and found to contain less than 1% asbestos or reported as none detected have a (-) after each sample number.

Materials are classified in this report as regulated asbestos containing material (RACM), Category I (CAT-I) or Category II (CAT-II) ACM, or asbestos containing construction material (ACCM), which included collecting multiple samples of some materials. Contractors and other individuals who view the sample locations and associated results indicated with either a (-) or a (+) on the drawing to make determinations take the risk of misidentifying a material and may arrive at determinations which are in direct conflict with the written findings of this report. This use of the drawing and the information provided on it relating to individual sample results in determining if a material does or does not contain asbestos is not recommended.

This is a summary of the report. The report must be read in its entirety, and the reader must review all the detailed information provided in the body of the report prior to making any interpretations, or conclusions pertaining to the information. Any conclusions made by the reader about the information provided in the body of this report which are contradictory or not included in this report are the responsibility of the reader.

Asbestos

On January 16, 2019 Entek conducted a survey specific to the interior of the equipment room (3765), office (3767) and equipment closet (3770A) in the OBGYN department located on the 3rd floor of Davis Tower designated by Mr. Scott Swartz with Kitchell Construction. Davis Tower is located at 2315 Stockton Blvd in Sacramento, California. The results of testing for asbestos during this survey indicate there is no asbestos present in any of the building materials tested. Specifics pertaining to individual materials can be found in later sections of this report.



Introduction

This report presents results of an asbestos renovation survey performed by Entek which included the interior of the equipment room (3765), office (3767) and equipment closet (3770A) in the OBGYN department located on the 3rd floor of Davis Tower designated by Mr. Scott Swartz with Kitchell Construction. This site is located at 2315 Stockton Blvd in Sacramento, California.

Matt Reilly conducted this survey on January 16, 2019. Mr. Reilly is a US EPA Asbestos Hazard Emergency Response Act (AHERA)-accredited building inspector, a Cal/OSHA Certified Asbestos Consultant, and a State of California Department of Public Health (CDPH) certified Lead Inspector/Assessor.

This report was prepared for Mr. Tom Richey, Senior Project Manager with UCDCM Facilities Design & Construction.

Building Description

Davis Tower is a 14 story hospital building constructed in 1999. Rooms 3765, 3767 and 3770 are comprised of gray sheet vinyl flooring, 12"x12" vinyl floor tiles, carpet, brown base cove, gypsum board finished with white skim coat and 2'x4' drop in ceiling tiles. The area scheduled for renovation is limited in scope and includes the removal of the gray sheet vinyl flooring and minor demolition of the gypsum board wall system. In addition there will be above ceiling work which may impact the gray fireproofing on the structural steel. No other interior finishes were planned to be impacted.

Asbestos Inspection and Sample Collection Protocols

Entek included only the interior of the equipment room (3765), office (3767) and equipment closet (3770A) in the OBGYN department located on the 3rd floor of Davis Tower designated by Scott Swartz. The work includes minor wall system demolition, construction of new walls, removal and replacement of flooring, minor work above ceiling. Entek did not use any demolition methods to look within enclosed wall or ceiling cavities during this investigation. Entek did include all suspect materials observed in, on, or associated with the areas included in this report.

Bulk samples were collected of various materials suspected to contain asbestos by utilizing a power drill and coring tube, cutting the materials with a razor knife, or use of other appropriate hand tools.

Miscellaneous materials were collected from each homogenous area in a manner sufficient to determine whether the material is or is not ACM as required in 40 CFR Part 763, Asbestos-Containing Materials in Schools; Final Rule and Notice, published October 30, 1987.

Approximate locations of all samples collected during this inspection are indicated on the "Bulk Asbestos Material Analysis Request Form for Entek", which served as the chain of custody for the samples, and on the building diagrams attached to this report.



Asbestos Bulk Sample Results

There were several materials observed which are considered "suspect" under US EPA guidelines. Under current US EPA guidelines for conducting building inspections for ACM, all "suspect" materials must be assumed to contain asbestos until otherwise determined by laboratory testing.

The samples of materials suspected of containing asbestos were submitted to Asbestech, a laboratory located in Carmichael, California. These samples were subsequently analyzed by polarized light microscopy (PLM) with dispersion staining. Asbestech is accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for this analysis.

US EPA NESHAP uses the terms RACM, CAT-I, & CAT-II when identifying materials which contain asbestos in amounts greater than 1%. Cal/OSHA uses the term ACCM which indicates a manufactured construction material contains greater than 0.1% asbestos by weight by the PLM method. This definition can be found in 8 CCR Part 1529.

A total of 10 bulk samples were collected of all the materials considered to be "suspect", which were observed during this investigation. Results of the analysis indicate all suspect materials tested were found to not contain asbestos.

US EPA AHERA uses three terms when determining the classification of a material for the purpose of sampling. These terms include miscellaneous, surfacing, and thermal system insulation (TSI).

Miscellaneous materials are building materials on structural components, structural members or fixtures, such as floor and ceiling tiles, and does not include surfacing material or TSI.

Surfacing materials are materials that are sprayed-on, troweled-on, or otherwise applied to surfaces, such as acoustical plaster on ceiling and fireproofing materials on structural members, or other materials on surfaces for acoustical, fireproofing, or other purposes.

TSI is material applied to pipes, fittings, boilers, breeching, tanks, ducts, or other structural components to prevent heat loss or gain, water condensation, or for other purposes.

The information provided in this report are for use by the Owner in determining where asbestos containing materials are located, and whether or not any future work may impact those materials. The information is also provided for use by any contractor who may perform work in areas impacting the materials listed in this report, and for use as appropriate by asbestos abatement contractors to provide costs related to work impacting ACM.

Any building materials which are considered "suspect" for containing asbestos which have not been identified in this report must be assumed to contain asbestos in amounts >1% until properly investigated and/or tested.

Materials commonly excluded from being suspected for containing asbestos include, but are not limited to: unwrapped pink and yellow fiberglass insulating materials or products,



foam insulation, wood, metal, plastic, or glass. All other types of building materials or coatings on the materials listed above are commonly listed as “suspect” and must be tested prior to impact by a Contractor. Work impacting these untested or newly discovered materials must cease until an investigation can be completed.

Asbestos Regulatory Requirements

US EPA

The property included in this survey report is located in Sacramento County. SMAQMD has been given authority for enforcement of the NESHAP regulations in Sacramento County through the use of their own rules (Rule 902).

A demolition is the wrecking, taking out, or burning of any load supporting structural member. A renovation is everything else. 10 day written notification to the SMAQMD is required prior to the performance of any demolition project regardless of asbestos being present or not. This notification would also apply to any renovation project which involves the wrecking, taking out, or burning of any load bearing structural member during a renovation as well.

Since no asbestos was detected in the materials being impacted by the renovation, written notification to SMAQMD is not required for asbestos purposes. Attached is the SMAQMD Survey Form and the SMAQMD Asbestos Renovation-Demolition Notification Form filled out. These forms are to be used by the contractor in obtaining the Permit.

Cal/OSHA

Disturbance of any ACM or ACCM could generate airborne asbestos fibers and would be regulated by Cal/OSHA. Cal/ OSHA worker health and safety regulations apply during any disturbance of ACM or ACCM by a person while in the employ of another. This is true regardless of friability or quantity disturbed.

Since no asbestos materials were discovered during this survey, a licensed asbestos contractor, certified by the State of California, and registered with CAL/OSHA will not be required as a part of this project.

Limitations

Entek inspected the interior of the Davis Tower OBGYN Rooms 3765, 3767 and 3770A at UCDMC as designated by Mr. Scott Swartz as part of the Davis Tower OBGYN Rooms 3765, 3767 and 3770A Renovation Project.

Entek did not perform any destructive sampling to look into wall spaces. As a result, it may be possible for materials to be hidden in these areas which are not included in this report. If any new materials not listed as having been sampled, the new material must be assumed to contain asbestos until properly inspected and tested for asbestos content.



Entek's policy is to retain a full copy of these written documents for three (3) years once the file is closed and final billed. At the end of the 3 year period the written files will be destroyed without further notice. It is suggested copies of the file(s) are maintained as per UCDMC's policy.

Entek will be providing only this electronic copy of the report and its attachments for your use. However, if you would like a hard copy of this report please do not hesitate to ask. Entek will be happy to mail the report upon receipt of your request.

Thank you for choosing Entek for your environmental needs. Please call me at (916) 632-6800 if you have any questions regarding this report.

Prepared by: 
Matt Reilly
Project Manager
Cal/OSHA CAC #18-6208

Appendices

- A. Asbestos Related Documents
- B. Backup Documentation

Z:\Clients\UCDMC\18-4902 DT3 OB-GYN Switch MD Board & Forms Room - Limited Asb #M031016\Project Letters & Reports\Final Asb Report 1-22-19.wpd



APPENDIX A

ASBESTOS RELATED DOCUMENTS

- Bulk Asbestos Material Analysis Report Form for Entek
- Bulk Asbestos Analysis Report From Asbestech
- Bulk Asbestos Material Analysis Request Form for Entek
- Asbestos Bulk Sample Location Drawing
- Asbestos Survey Form
- Asbestos Renovation/Demolition Notification Form



BULK ASBESTOS MATERIAL *Analysis Report*

ENTEK CONSULTING GROUP, INC.

4200 ROCKLIN ROAD, SUITE 7
 ROCKLIN, CA 95677
 (916) 632-6800 PHONE
 (916) 632-6812 FAX
mainoffice@entekgroup.com

Date of Sampling: January 16, 2019

Lab: Asbestech

Job Number: 18-4902

Collected by: Matt Reilly

Client Name: UCDCMC

Site Address: UCDCMC
 2315 Stockton Boulevard
 Sacramento, CA 95817

SAMPLE #	RESULTS	MATERIAL DESCRIPTION/LOCATION
ECG-18-4902-01A	NONE DETECTED	White Wallboard and Joint Compound/ Davis Tower Third Floor OBGYN Room 3765
ECG-18-4902-01B	NONE DETECTED	White Wallboard and Joint Compound/ Davis Tower Third Floor OBGYN Room 3767 Closet
ECG-18-4902-02A	NONE DETECTED	White Skim Coat/ Davis Tower Third Floor OBGYN Room 3765
ECG-18-4902-02B	NONE DETECTED	White Skim Coat/ Davis Tower Third Floor OBGYN Room 3767 Closet
ECG-18-4902-02C	NONE DETECTED	White Skim Coat/ Davis Tower Third Floor OBGYN Room 3767 Closet
ECG-18-4902-03A	NONE DETECTED	Brown Base Cove and Glue/ David Tower Third Floor OBGYN Room 3765
ECG-18-4902-04A	NONE DETECTED	2'x4' Drop in Ceiling Tile/ Davis Tower Third Floor OBGYN Room 3765
ECG-18-4902-05A	NONE DETECTED	Gray Fireproofing/ Davis Tower Third Floor OBGYN Room 3765 Above Drop in Ceiling on Metal Beam
ECG-18-4902-05B	NONE DETECTED	Gray Fireproofing/ Davis Tower Third Floor OBGYN Room 3765 Above Drop in Ceiling on Metal Beam
ECG-18-4902-05C	NONE DETECTED	Gray Fireproofing/ Davis Tower Third Floor OBGYN Room 3765 Above Drop in Ceiling on Metal Beam
ECG-18-4902-06A	NONE DETECTED	White Sheet Vinyl Flooring and Glue/ Davis Tower Third Floor OBGYN Room 3765

Z:\Clients\UCDCMC\18-4902 DT3 OB-GYN Switch MD Board & Forms Room - Limited Asb #M031016\Bulk Sample Asb\Bulk Report 01-16-19.wpd

ASBESTECH
6825 Fair Oaks Blvd., Suite 103
Carmichael, California 95608
Tel.(916) 481-8902 Fax (916) 481-3975

Client:
Entek Consulting Group, Inc.
4200 Rocklin Rd., Suite 7
Rocklin, CA 95677

Job:
18-4902 UCDCMC
UC Davis Medical Center
2315 Stockton Blvd., Sacramento , Ca

BULK ASBESTOS ANALYSIS REPORT

LAB JOB # 66173-1
Date/Time Collected: 1/16/19
Date Received: 1/17/19

NVLAP Lab Code 101442-0
CDPH # 1153
Date Analyzed: 1/17/19

<i>Sample No.</i>	<i>Color/Description</i>	<i>% Type Asbestos</i>	<i>Other Materials</i>
ECG-18-4902-01A	White wallboard, Davis Tower 3 rd floor OBGYN room 3765	NONE DETECTED	Gypsum Fibrous Glass
	White joint compound 1	NONE DETECTED	Calcite
	White joint compound 2	NONE DETECTED	Calcite
01B	White wallboard, Davis Tower 3 rd floor OBGYN room 3767 closet	NONE DETECTED	Gypsum Fibrous Glass
	White joint compound 1	NONE DETECTED	Calcite
	White joint compound 2	NONE DETECTED	Calcite
02A	White skim coat, Davis Tower 3 rd floor OBGYN room 3765	NONE DETECTED	Calcite
02B	White skim coat, Davis Tower 3 rd floor OBGYN room 3767 closet	NONE DETECTED	Calcite
02C	White skim coat, Davis Tower 3 rd floor OBGYN room 3767 closet	NONE DETECTED	Calcite
03A	Brown base cove, Davis Tower 3 rd floor OBGYN room 3765	NONE DETECTED	Calcite
	Yellow glue	NONE DETECTED	Synthetics

THE ANALYSIS USES POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING FOLLOWING E.P.A. METHOD 600/R-93/116. NON-FRIABLE MATERIALS WERE ANALYZED APPLYING THE SAME METHOD. THE LOWER DETECTION LIMIT IS <1 % WITH THE PROVISO THAT PLM MAY NOT DETECT FIBERS <0.25 MICRONS IN DIAMETER THAT MAY BE PRESENT IN SAMPLES SUCH AS FLOOR TILES. IN ACCORDANCE WITH TITLE 22, CCR, SECTION 66261.24(a)(2)(A), THE MCL IS 1%. SAMPLES WERE NOT COLLECTED BY ASBESTECH. THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL WITHOUT THE APPROVAL OF ASBESTECH. THIS REPORT RELATES ONLY TO THE ITEMS TESTED. THIS REPORT MUST NOT BE USED TO CLAIM PRODUCT ENDORSEMENT BY N.V.L.A.P. OR ANY AGENCY OF THE U.S. GOVERNMENT. ASBESTECH ACCEPTS TECHNICAL RESPONSIBILITY FOR THIS REPORT AND DATE OF ISSUE.

ASBESTECH
6825 Fair Oaks Blvd., Suite 103
Carmichael, California 95608
Tel.(916) 481-8902 Fax (916) 481-3975

Client:
Entek Consulting Group, Inc.
4200 Rocklin Rd., Suite 7
Rocklin, CA 95677

Job:
18-4902 UCDCMC
UC Davis Medical Center
2315 Stockton Blvd., Sacramento , Ca

BULK ASBESTOS ANALYSIS REPORT

LAB JOB # 66173-2
Date/Time Collected: 1/16/19
Date Received: 1/17/19

NVLAP Lab Code 101442-0
CDPH # 1153
Date Analyzed: 1/17/19

<i>Sample No.</i>	<i>Color/Description</i>	<i>% Type Asbestos</i>	<i>Other Materials</i>
ECCG-18-4902-04A	Gray/ white 2'x4' drop-in ceiling tile, Davis Tower 3 rd floor OBGYN room 3765	NONE DETECTED	Cellulose Fibrous Glass
05A	Gray fireproofing, Davis Tower 3 rd floor OBGYN room 3765 above drop-in ceiling on metal beam	NONE DETECTED	Gypsum Cellulose
05B	Gray fireproofing, Davis Tower 3 rd floor OBGYN room 3765 above drop-in ceiling on metal beam	NONE DETECTED	Gypsum Cellulose
05C	Gray fireproofing, Davis Tower 3 rd floor OBGYN room 3765 above drop-in ceiling on metal beam	NONE DETECTED	Gypsum Cellulose
06A	White sheet vinyl flooring, Davis Tower 3 rd floor OBGYN room 3765	NONE DETECTED	Vinyl Cellulose
	Yellow glue	NONE DETECTED	Synthetics
	Gray leveler	NONE DETECTED	Calcite
	White joint compound	NONE DETECTED	Calcite

THE ANALYSIS USES POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING FOLLOWING E.P.A. METHOD 600/R-93/116. NON-FRIABLE MATERIALS WERE ANALYZED APPLYING THE SAME METHOD. THE LOWER DETECTION LIMIT IS <1 % WITH THE PROVISIO THAT PLM MAY NOT DETECT FIBERS <0.25 MICRONS IN DIAMETER THAT MAY BE PRESENT IN SAMPLES SUCH AS FLOOR TILES. IN ACCORDANCE WITH TITLE 22, CCR, SECTION 66261.24(a)(2)(A), THE MCL IS 1 %. SAMPLES WERE NOT COLLECTED BY ASBESTECH. THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL WITHOUT THE APPROVAL OF ASBESTECH. THIS REPORT RELATES ONLY TO THE ITEMS TESTED. THIS REPORT MUST NOT BE USED TO CLAIM PRODUCT ENDORSEMENT BY N.V.L.A.P. OR ANY AGENCY OF THE U.S. GOVERNMENT. ASBESTECH ACCEPTS TECHNICAL RESPONSIBILITY FOR THIS REPORT AND DATE OF ISSUE.



66173

BULK ASBESTOS MATERIAL *Analysis Request*

ENTEK CONSULTING GROUP, INC.

4200 ROCKLIN ROAD, SUITE 7
 ROCKLIN, CA 95677
 (916) 632-6800 PHONE
 (916) 632-6812 FAX
 mainoffice@entekgroup.com

Date of Sampling: January 16, 2019

Lab: Asbestech

Job Number: 18-4902

Collected by: Matt Reilly

Client Name: UCDCM

Turnaround Time: 1/17/19 by 12:00pm

Site Address: UC Davis Medical Center
 2315 Stockton Blvd.
 Sacramento, CA 95817

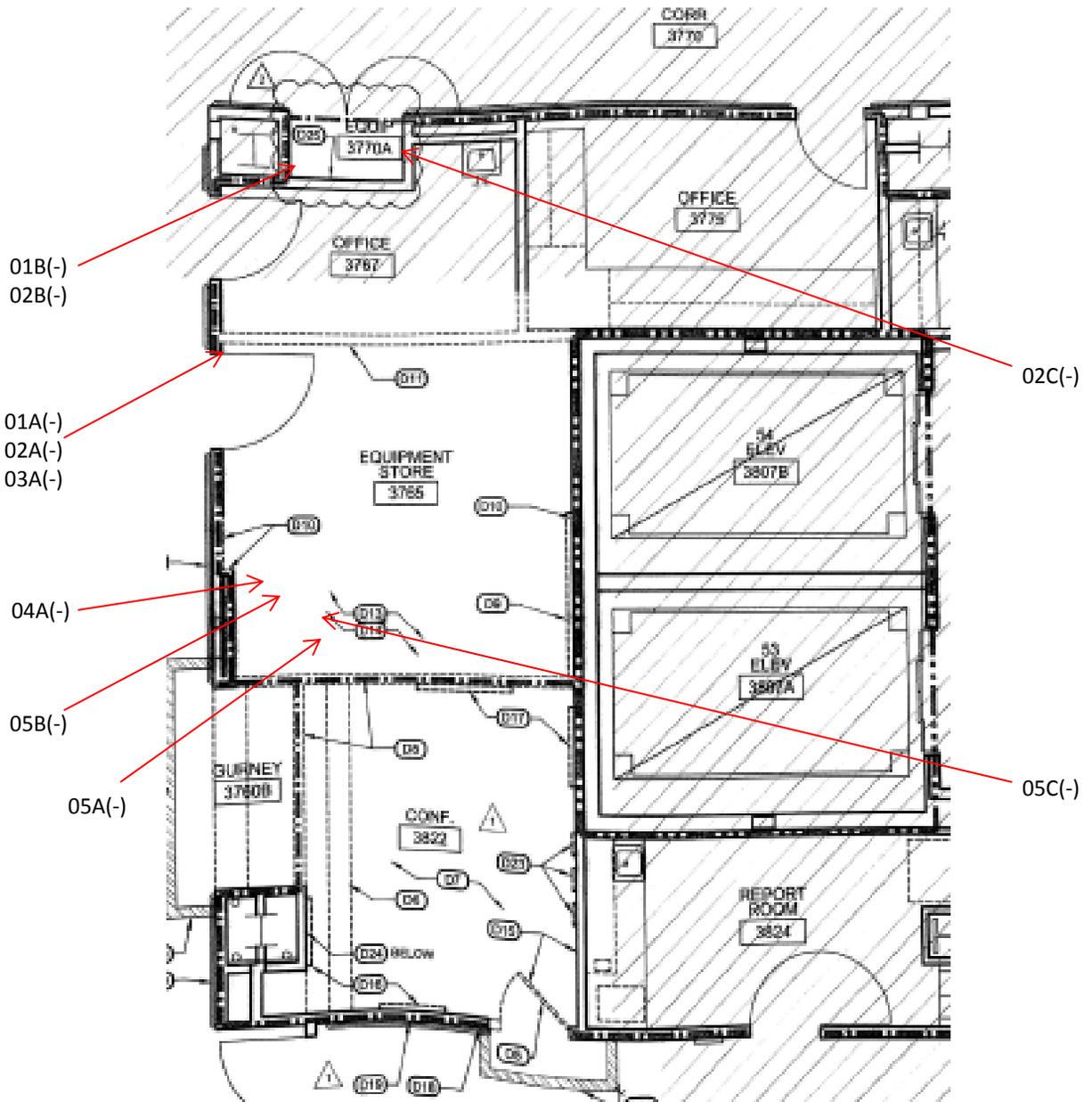
ANALYSIS REQUESTED: Asbestos by PLM
 with Dispersion Staining

Special Instruction: *Stop Analysis upon first positive result (>1%) for sample in a series. Also stop analysis upon first positive result (>1%) in the joint compound for sample series. Please e-mail results to mreilly@entekgroup.com as soon as possible.*

SAMPLE #	MATERIAL DESCRIPTION/LOCATION
ECG-18-4902-01A	White Wallboard and Joint Compound/ Davis Tower Third Floor OBGYN Room 3765
ECG-18-4902-01B	White Wallboard and Joint Compound/Davis Tower Third Floor OBGYN Room 3767 Closet
ECG-18-4902-02A	White Skim Coat/ Davis Tower Third Floor OBGYN Room 3765
ECG-18-4902-02B	White Skim Coat/Davis Tower Third Floor OBGYN Room 3767 Closet
ECG-18-4902-02C	White Skim Coat/Davis Tower Third Floor OBGYN Room 3767 Closet
ECG-18-4902-03A	Brown Base Cove and Glue/ Davis Tower Third Floor OBGYN Room 3765
ECG-18-4902-04A	2'x4' Drop in Ceiling Tile/ Davis Tower Third Floor OBGYN Room 3765
ECG-18-4902-05A	Gray Fireproofing/ Davis Tower Third Floor OBGYN Room 3765 Above Drop in Ceiling on Metal Beam
ECG-18-4902-05B	Gray Fireproofing/ Davis Tower Third Floor OBGYN Room 3765 Above Drop in Ceiling on Metal Beam
ECG-18-4902-05C	Gray Fireproofing/ Davis Tower Third Floor OBGYN Room 3765 Above Drop in Ceiling on Metal Beam
ECG-18-4902-06A	White Sheet Vinyl Flooring and Glue/ Davis Tower Third Floor OBGYN Room 3765

Delivered by: Matt Reilly **Date:** 01/16/18 **Time:** 5:30 AM/PM

Received by: [Signature] **Date:** 1-17-19 **Time:** 9 AM/PM



UCDMC
DT 3 OB/GYN Switch MD Board & Forms Room
Sacramento, CA

Entek Consulting Group, Inc.
4200 Rocklin Road, Suite 7
Rocklin CA 95677
Map Not to Scale

Asbestos Bulk Sample Locations
Collected by Matt Reilly
On January 16, 2019
Project Number 18-4902



Asbestos Renovation/Demolition Notification Form

777 12th Street, 3rd Floor
Sacramento, CA 95814
Office (916) 874-4800
Fax (916) 874-4899
Asbestos@airquality.org

1	Building Department Permit Application # (if known) : _____	<input checked="" type="checkbox"/> Renovation (Do not complete Section 5) <input type="checkbox"/> Demolition (Complete all sections) <input type="checkbox"/> Ordered Demo - Attach ordered demo letter <input type="checkbox"/> Emergency Demo - SMAQMD Emergency #. _____
----------	--	--

2	Contractor	Owner UCDMC
	Address	Address 2315 Stockton Blvd
	City, State / Zip	City, State / Zip Sacramento, CA 95833
	Email	Email Tgrichey@ucdavis.edu
	Telephone	Telephone 916-734-6353

3	Structure Name UCDMC	Renovation Area DT 3 OB/GYN Switch MD Board & Forms Room	# of Floors 14
	Project Address 2315 Stockton Blvd	City / Zip Sacramento	Year Built 1999

4	Preference for return of form	<input type="checkbox"/> E-mail <input type="checkbox"/> Other :
----------	-------------------------------	--

DEMOLITIONS ONLY - Start date must be at least 10 working days from the day of your postmark or hand delivery of this form.

5		Revision # 1 2 3 4 5 6 7 8 9 (circle)
	Start Date ____/____/____	New Start Date ____/____/____
	Completion Date ____/____/____	New Completion Date ____/____/____
	Method of Demo: (Check Applicable): <input type="checkbox"/> Manual/Hand Tools <input type="checkbox"/> Mechanical/Heavy Equipment <input type="checkbox"/> Other	
	Procedure to be followed if RACM is found or Category II material becomes friable:	

I have read and understand the directions. The information on this form is true and accurate. I certify that the asbestos survey conducted represents the facility as built.

6	Application Name (Print)	<input type="checkbox"/> Owner	Permit may be issued on:
	Phone Number	<input type="checkbox"/> Rep / Agent	
	Application Signature	<input type="checkbox"/> Contractor	
			Date

Have DOSH Consultant complete and sign below OR attach completed Asbestos Survey Form and Consultant's report.

CONSULTANT USE ONLY	Company Name Entek Consulting Group, Inc.	Telephone (916) 632-6800
	Surveyor Name Matt Reilly	DOSH # 18-6208 Survey Date 01/16/19
	Analytical Method PLM by Dispersion Staining	Pt Count Materials <10% <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Declined by Client
	Amount of RACM -0- Square Feet -0-	Linear Feet -0- Cubic Feet -0-
	Amount of Category I -0-	Amount of Category II -0-
	Project Address 2315 Stockton Blvd	City Sacramento Zip 95817
	Suspect Materials Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Consultant's Signature

SMAQMD USE ONLY

Date Received / Date Postmark _____ Date Approved & Returned _____

Project # _____ Check # _____ Receipt # _____ Amount Paid _____ Staff _____

Revised July 2017



Asbestos Survey Form

(See Instructions)

777 12th Street, 3rd Floor
 Sacramento, CA 95814
 Office (916) 874-4800
 Fax (916) 874-4899
 Email:
asbestos@airquality.org

1. Purpose of Survey		<input checked="" type="checkbox"/> Renovation		<input type="checkbox"/> Demolition		
2. Facility Information						
Project Area(s) Description OB-GYN						
Address 2315 Stockton Blvd		City Sacramento		# of Structures 1		
3. Owner Information						
Name UCDCMC						
Address 2315 Stockton Blvd		City/State Sacramento / CA		Zip 95817		
Contact	Phone	Fax	Email			
Tom Richey	916-734-6353	-0-	Tgrichey@ucdavis.edu			
4. Consultant Information		Survey Date(s): January 16, 2019				
Company Name Entek Consulting Group, Inc.						
Name Matt Reilly				DOSH # 18-6208		
Address 4200 Rocklin Road, Suite 7		City/State Rocklin, California		Zip 95677		
Phone (916) 632-6800	Fax (916) 632-6812	Email mreilly@entekgroup.com	Signature 			
5. Client Information (If different than owner)		<input type="checkbox"/> General Contractor		<input type="checkbox"/> Insurance Company		
<input type="checkbox"/> Architect		<input type="checkbox"/> Property Manager		<input type="checkbox"/> Other _____		
Name						
Address				City/State	Zip 95678	
Contact	Phone	Fax	Email			
6. Have all of the suspect materials that will be disturbed been sampled?					<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
If no, explain why:						
7. Summary of Total Asbestos Containing Material (ACM) Findings						
Regulated Asbestos Containing Material (RACM) (Includes materials subject to known mechanical removal and fire damaged materials)			Category II		Category I	
Square Ft.	Linear Ft.	Cubic Ft.	Square Ft.	Linear Ft.	Square Ft.	Linear Ft.
-0-	-0-	-0-	-0-	-0-	-0-	-0-
To receive future SMAQMD Rule updates and changes affecting your industry (check one box):						
<input type="checkbox"/> Please send e-mail notices to			<input type="checkbox"/> I will sign up myself at www.airquality.org/listserve/ to receive emailed notices.			
<input checked="" type="checkbox"/> I am already subscribed.		<input type="checkbox"/> I want the District to mail notices to the address on this application:		<input type="checkbox"/> Owner		<input type="checkbox"/> Consultant



APPENDIX B

BACK UP DOCUMENTATION

- Inspector Accreditations and Certifications
- Laboratory Accreditations for Asbestos Analysis

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

Matt J Reilly

Name



Certification No. **18-6208**

Expires on **04/18/19**

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.



United States Department of Commerce
National Institute of Standards and Technology



Certificate of Accreditation to ISO/IEC 17025:2005

NVLAP LAB CODE: 101442-0

ASBESTECH
Carmichael, CA

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

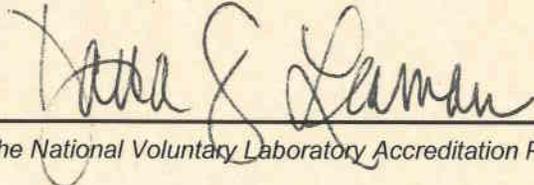
Asbestos Fiber Analysis

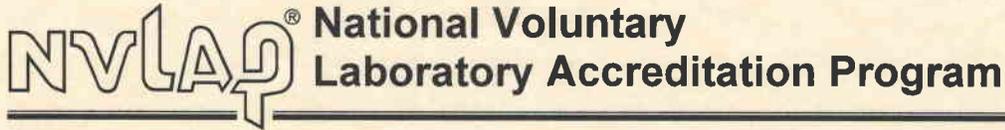
*This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005.
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality
management system (refer to joint ISO-ILAC-IAF Communique dated January 2009).*

2018-07-01 through 2019-06-30

Effective Dates




For the National Voluntary Laboratory Accreditation Program



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

ASBESTECH
6825 Fair Oaks Blvd., Suite 103
Carmichael, CA 95608
Mr. Tommy Conlon
Phone: 916-481-8902 Fax: 916-481-3975
Email: asbestech@sbcglobal.net
<http://www.asbestechlab.com>

ASBESTOS FIBER ANALYSIS

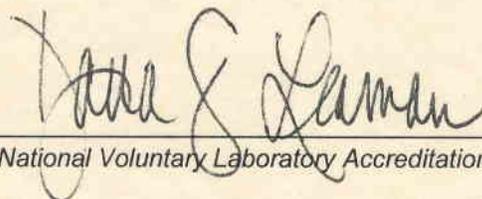
NVLAP LAB CODE 101442-0

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

<u>Code</u>	<u>Description</u>
18/A02	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



**ENTEK
CONSULTING GROUP, INC.**

4200 Rocklin Road, Suite 7, Rocklin, CA 95677 Phone (916) 632-6800 Fax (916) 632-6812 www.entekgroup.com

**ASBESTOS MATERIALS SURVEY
INTERIM REPORT**

OWNER/CLIENT

**University of California Davis Medical Center
4800 2nd Avenue, Suite 3010
Sacramento, CA, 95817**

CONTACT

**Ms. Michelle Twist
Project Manager**

SURVEY ADDRESS

**2315 Stockton Boulevard
Sacramento, CA, 95817**

BUILDING(S) SURVEYED

**Davis Tower, 5th Floor NICU
Flooring Replacement project**

PREPARED BY

**Rick Beall, CIH, CSP, CAC
CAC #92-0032
Entek Consulting Group, Inc.
4200 Rocklin Road, Suite 7
Rocklin, CA 95677**

Entek Project #17-4236

February 7, 2017



TABLE OF CONTENTS

Executive Summary.	<u>3</u>
Introduction.	<u>4</u>
Building Description.	<u>4</u>
Asbestos Inspection and Sample Collection Protocols.	<u>4</u>
Asbestos Bulk Sample Results.	<u>5</u>
Asbestos Regulatory Requirements.	<u>6</u>
Limitations.	<u>7</u>
Appendices	
A. Asbestos Related Documents	
B. Backup Documentation	



Executive Summary

The United States Environmental Protection Agency, National Emission Standards for Hazardous Air Pollutants (US EPA NESHAP), 40 CFR Part 61 - Nov. 20, 1990, requires an owner or operator of a demolition or renovation project to thoroughly inspect the affected facility or part of the facility where the demolition or renovation operation will occur for the presence of asbestos-containing materials (ACM) prior to the commencement of that project.

This inspection report was requested by Ms. Michelle Twist, Project Manager with the University of California Davis Medical Center's (UCDMC) Facilities Design and Construction Department.

The purpose of the inspection was to comply with US EPA NESHAP requirements and the Sacramento Metropolitan Air Quality Management District (SMAQMD) Rule 902, which has jurisdiction for this project site to determine if asbestos containing materials are present which may be impacted during an upcoming renovation project. It is our understanding that the renovation includes the removal and replacement of flooring in the NICU on the 5th floor of the Davis Tower.

The attached drawing(s) show approximate sample locations and also identify those bulk sample materials analyzed and found to contain asbestos greater than 1% with a (+) after the sample number. Materials analyzed and found to contain less than 1% asbestos or reported as none detected have a (-) after each sample number.

Materials are classified in the tables of this report as regulated asbestos containing material (RACM), Category I (CAT-I) or Category II (CAT-II) ACM, or asbestos containing construction material (ACCM), which included collecting multiple samples of some materials. Contractors and other individuals who view the sample locations and associated results indicated with either a (-) or a (+) on the drawing to make determinations take the risk of misidentifying a material and may arrive at determinations which are in direct conflict with the written findings of this report. This use of the drawing and the information provided on it relating to individual sample results in determining if a material does or does not contain asbestos is not recommended.

This is a summary of the report. The report must be read in its entirety, and the reader must review all the detailed information provided in the body of the report prior to making any interpretations, or conclusions pertaining to the information. Any conclusions made by the reader about the information provided in the body of this report which are contradictory or not included in this report are the responsibility of the reader.

Asbestos

On January 25, 2017, Entek conducted a survey specific to the first phases of the flooring replacement project area on the 5th floor of NICU in the Davis Tower designated by the drawings provided Ms. Michelle Twist.

The results of testing for asbestos during this survey indicate asbestos is not present in the materials tested, which is consistent with the age of construction (1999).



Specifics pertaining to individual materials can be found in later sections of this report.

Introduction

This interim report presents results of the initial asbestos survey performed by Entek which included specific interior designated areas included in an upcoming flooring removal and replacement renovation project. The Davis Tower is located at 2315 Stockton Boulevard in Sacramento, California.

The inspection was conducted by Mr. Ryan Metzen on January 25, 2017. Mr. Metzen is a Cal/OSHA Certified Asbestos Site Surveillance Technician (CSST). This report was prepared for Ms. Michelle Twist, Project Manager with UCDCM Facilities Design and Construction.

Building Description

The Davis Tower is a 14 story hospital building and was constructed in 1999. The area scheduled for renovation is very limited in scope and only includes the flooring system, in the NICU, where the floors will be replaced. In addition to the different flooring materials comprised of sheet vinyl and 12" tiles, the base cove mastic and gypsum board (drywall) systems were sampled, since it was assumed the lower walls would be impacted with removal of the base cove or rolled cove base associated with sheet vinyl flooring. No other interior finishes were planned to be impacted by the flooring replacement project, so no other materials were sampled or represented in this inspection report.

Asbestos Inspection and Sample Collection Protocols

Entek included the specific designated interior areas and materials as identified by the drawings indicated in the phasing of the work defining the ICRA containments.

Entek did not use any demolition methods to look within enclosed wall or ceiling cavities during this investigation. Entek did include all suspect materials observed in, on, or associated with the area included in this report.

Bulk samples were collected of various materials suspected to contain asbestos by utilizing a power drill and coring tube, cutting the materials with a razor knife, or use of other appropriate hand tools.

Miscellaneous materials and surfacing materials were collected from each homogenous area in a manner sufficient to determine whether the material is or is not ACM as required in 40 CFR Part 763, Asbestos-Containing Materials in Schools; Final Rule and Notice, published October 30, 1987. In addition, sampling was conducted in accordance with the SMAQMD Advisory #10-03 of June 2010.

Approximate locations of all samples collected during this inspection are indicated on the "Bulk Asbestos Material Analysis Request Form for Entek", which served as the chain of custody for the samples, and on the building diagram(s) attached to this report.



Asbestos Bulk Sample Results

There were several materials observed which are considered "suspect" under US EPA guidelines. Under current US EPA guidelines for conducting building inspections for ACM, all "suspect" materials must be assumed to contain asbestos until otherwise determined by laboratory testing.

The samples of materials suspected of containing asbestos were submitted to Asbestech, a laboratory located in Carmichael, California. These samples were subsequently analyzed by polarized light microscopy (PLM) with dispersion staining.

The US EPA NESHAP and SMAQMD uses the terms Regulated Asbestos Containing Material (RACM), Category I, and Category II when identifying materials which contain asbestos in amounts greater than 1%. Cal/OSHA uses the term ACCM which indicates a manufactured construction material contains greater than 0.1% asbestos by weight by the PLM method. This definition can be found in Title 8, 1529.

A total of 23 bulk samples were collected of all the materials considered to be "suspect", and which were identified for possible disturbance during the upcoming renovation observed during this investigation. Some of the samples contained multiple layers which were individually analyzed to determine their asbestos content. Analysis of all samples collected was by PLM with dispersion staining. Results of the analysis are listed in the table below:

Suspect Materials Found NOT TO Contain Asbestos or Considered Non-Suspect				
Sample ID#'s	Suspect Material	EPA AHERA & SMAQMD Suspect ACM	Asbestos Content	Location
01A-E	Drywall and Joint Compound	Miscellaneous	None Detected	Throughout Project Area
02A-G	Skim Coat on Drywall System	Surfacing	None Detected	Throughout Project Area
03A-C	Tan and Yellow Sheet Vinyl Flooring with Yellow Mastic	Miscellaneous	None Detected	Many Areas of Project Area
04A-B	Green Glue Associated with 2' x 2' Glue/Gray Carpet Squares	Miscellaneous	None Detected	Many Areas of Project Area
05A-C	6" Vinyl Base Cove with Tan Mastic	Miscellaneous	None Detected	Many Areas of Project Area
06A	12" Gray Floor Tiles with Tan and Green Mastic	Miscellaneous	None Detected	Many Areas of Project Area
07A-B	4" Tan Vinyl Base Cove with Tan Mastic	Miscellaneous	None Detected	Many Areas of Project Area

All sample numbers noted in the tables above start with ECG-17-4236-



US EPA AHERA uses three terms when determining the classification of a material for the purpose of sampling. These terms include miscellaneous, surfacing, and thermal system insulation (TSI).

Miscellaneous materials are building materials on structural components, structural members or fixtures, such as floor and ceiling tiles, and does not include surfacing material or TSI.

Surfacing materials are materials that are sprayed-on, troweled-on, or otherwise applied to surfaces, such as acoustical plaster on ceiling and fireproofing materials on structural members, or other materials on surfaces for acoustical, fireproofing, or other purposes.

TSI is material applied to pipes, fittings, boilers, breeching, tanks, ducts, or other structural components to prevent heat loss or gain, water condensation, or for other purposes.

The information provided in the tables of this report are for use by the Owner in determining where asbestos containing materials are located, and whether or not any future work may impact those materials. The information is also provided for use by any contractor who may perform work in areas impacting the materials listed in this report, and for use as appropriate by asbestos abatement contractors to provide costs related to work impacting ACM.

Sampling was limited to the areas and materials as indicated by the drawings of the ICRA containments where flooring will be removed. Any building materials which are considered "suspect" for containing asbestos which have not been identified in this report must be assumed to contain asbestos in amounts >1% until properly investigated and/or tested.

Materials commonly excluded from being suspected for containing asbestos include, but are not limited to: unwrapped pink and yellow fiberglass insulating materials or products, foam insulation, wood, metal, plastic, or glass. All other types of building materials or coatings on the materials listed above are commonly listed as "suspect" and must be tested prior to impact by a Contractor. Work impacting these untested or newly discovered materials must cease until an investigation can be completed.

Asbestos Regulatory Requirements

US EPA

The property included in this survey report is located in Sacramento County. Sacramento Metropolitan Air Quality Management District (SMAQMD) has been given authority for enforcement of the NESHAP regulations by means of their own rules (Rule 902 Asbestos).

A demolition is the wrecking, taking out, or burning of any load supporting structural member. A renovation is everything else. 10 day written notification to the SMAQMD is required prior to the performance of any demolition project regardless of asbestos being present or not. This notification would also apply to any renovation project which involves the wrecking, taking out, or burning of any load bearing structural member during a renovation as well.



Since there is no ACM present that will be impacted by this project no notification is required to the SMAQMD.

Cal/OSHA

Disturbance of any ACM or ACCM could generate airborne asbestos fibers and would be regulated by Cal/OSHA. Cal/OSHA worker health and safety regulations apply during any disturbance of ACM or ACCM by a person while in the employ of another. This is true regardless of friability or quantity disturbed. Since no ACCM was determined to exist in the materials sampled that may be impacted during the upcoming project, a licensed asbestos contractor, certified by the State of California, and registered with Cal/OSHA is not required to perform the renovation work.

Limitations

Entek inspected only the specific designated areas and materials of the project areas that were readily accessible to Entek staff. Not all of the areas of the planned flooring and replacement areas were inspected at the time of the initial inspection. The primary focus was to inspect those areas included in the first several phases of work to facilitate work by the general contractor. Entek will need to return to the site and complete the asbestos inspection for other possible flooring materials not represented in this inspection. A follow-up supplemental inspection report will be provided following this subsequent inspection.

As a result the information provided in this inspection report may not be used to extend the inspection results to areas not included in this report without additional review and sampling as necessary.

Entek did not perform any destructive sampling to look into ceiling and wall cavities. As a result, it may be possible for materials to be hidden in these areas which are not included in this report. Entek also did not employ any destructive measures on floors of interior spaces or exterior areas covered with asphalt, concrete, or dirt.

If any new materials not listed as having been sampled, or listed as assumed for containing asbestos in this report are discovered, the new material must be assumed to contain asbestos until properly inspected and tested for asbestos content.

Entek's policy is to retain a full copy of these written documents for three (3) years once the file is closed. At the end of the 3 year period the written files will be destroyed without further notice. It is suggested copies of the file(s) are maintained as per the UCDCMC's policy.

Entek will be providing only this electronic copy of the report and its attachments for your use. However, if you would like a hard copy of this report please do not hesitate to ask. Entek will be happy to mail the report upon receipt of your request.



Thank you for choosing Entek for your environmental needs. Please call me at (916) 632-6800 if you have any questions regarding this report.

Prepared by: 
Rick Beall, CIH, CSP, CAC
President
Cal/OSHA CAC #92-0032

Appendices

- A. Asbestos Related Documents
- B. Backup Documentation

Z:\Clients\UCDMC\17-4236 NICU, Davis Tower, 5th Fl - Asb & ICRA - #M011858\Project Letters & Reports\Interim Asbestos Inspection Report 2-7-17.wpd



APPENDIX A

ASBESTOS RELATED DOCUMENTS

- Bulk Asbestos Material Analysis Report Form for Entek
- Bulk Asbestos Analysis Report From Asbestech
- Bulk Asbestos Material Analysis Request Form for Entek
- Asbestos Bulk Sample Location Drawing
- Asbestos Survey Form
- Asbestos Renovation/Demolition Notification Form



BULK ASBESTOS MATERIAL *Analysis Report*

ENTEK CONSULTING GROUP, INC.

4200 ROCKLIN ROAD, SUITE 7

ROCKLIN, CA 95677

(916) 632-6800 PHONE

(916) 632-6812 FAX

mainoffice@entekgroup.com

Date of Sampling: January 25, 2017

Lab: Asbestech

Job Number: 17-4236

Collected by: Ryan Metzen

Client Name: UCDCM

Site Address: NICU, Davis Tower, 5th Floor
Flooring Replacement Project
8 Phases
Sacramento, CA

SAMPLE #	RESULTS	MATERIAL DESCRIPTION/LOCATION
ECG-17-4236-01A	NONE DETECTED	Drywall and Joint Compound; Corridor 5780
ECG-17-4236-01B	NONE DETECTED	Drywall and Joint Compound; Corridor 5780
ECG-17-4236-01C	NONE DETECTED	Drywall and Joint Compound; Corridor 5770
ECG-17-4236-01D	NONE DETECTED	Drywall and Joint Compound; Patient Locker 5748
ECG-17-4236-02A	NONE DETECTED	Skim Coat on Drywall; Corridor 5780
ECG-17-4236-02B	NONE DETECTED	Skim Coat on Drywall; Corridor 5780
ECG-17-4236-02C	NONE DETECTED	Skim Coat on Drywall; Corridor 5770
ECG-17-4236-02D	NONE DETECTED	Skim Coat on Drywall; Patient Locker Room 5748
ECG-17-4236-03A	NONE DETECTED	Tan Sheet Vinyl Flooring with Yellow Mastic and Burlap; NICU; Corridor 5780
ECG-17-4236-03B	NONE DETECTED	Yellow Sheet Vinyl Flooring with Yellow Mastic and Burlap Backing; Corridor 5770
ECG-17-4236-04A	NONE DETECTED	Green Glue Associated with 2' x 2' Blue/Gray Carpet Square; Patient Locker Room 5748
ECG-17-4236-04B	NONE DETECTED	Green Glue Associated with 2' x 2' Blue/Gray Carpet Square; Patient Locker Room 5745
ECG-17-4236-05A	NONE DETECTED	Gray 6" Vinyl Base Cove with Tan Mastic; Corridor 5780
ECG-17-4236-05B	NONE DETECTED	Gray 6" Vinyl Base Cove with Tan Mastic; Corridor 5770
ECG-17-4236-06A	NONE DETECTED	Gray 12" x 12" with Tan Mastic and Green Glue; Patient Locker Room 5748



BULK ASBESTOS MATERIAL *Analysis Report*

ENTEK CONSULTING GROUP, INC.

4200 ROCKLIN ROAD, SUITE 7

ROCKLIN, CA 95677

(916) 632-6800 PHONE

(916) 632-6812 FAX

mainoffice@entekgroup.com

Date of Sampling: January 25, 2017

Lab: Asbestech

Job Number: 17-4236

Collected by: Ryan Metzen

Client Name: UCDCM

Site Address: NICU, Davis Tower, 5th Floor
Flooring Replacement Project
8 Phases
Sacramento, CA

SAMPLE #	RESULTS	MATERIAL DESCRIPTION/LOCATION
ECG-17-4236-07A	NONE DETECTED	4" Tan Vinyl Base Cove with Tan Mastic; Patient Locker Room 5748
ECG-17-4236-07B	NONE DETECTED	Skim Coat on Drywall; Patient Locker Room 5748

Z:\Clients\UCDCM\17-4236 NICU, Davis Tower, 5th Fl - Asb & ICRA - #M011858\Bulk Sample Asb\Bulk Report 01-25-17.wpd



BULK ASBESTOS MATERIAL *Analysis Report*

ENTEK CONSULTING GROUP, INC.

4200 ROCKLIN ROAD, SUITE 7

ROCKLIN, CA 95677

(916) 632-6800 PHONE

(916) 632-6812 FAX

mainoffice@entekgroup.com

Date of Sampling: January 25, 2017

Lab: Asbestech

Job Number: 17-4236

Collected by: Ryan Metzen

Client Name: UCDCMC

Site Address: NICU, Davis Tower, 5th Floor
Flooring Replacement Project
8 Phases
Sacramento, CA

SAMPLE #	RESULTS	MATERIAL DESCRIPTION/LOCATION
ECG-17-4236-01E	NONE DETECTED	Drywall and Joint Compound; Corridor AAA; New Intensive Care Unit Beds 5822 Entry Door
ECG-17-4236-02E	NONE DETECTED	Skim Coat on Drywall; Corridor AAA; Near Exit Stairs
ECG-17-4236-02F	NONE DETECTED	Skim Coat on Drywall; Corridor AAA; Under Bench; at Perimeter Windows; Corridor AAA
ECG-17-4236-02G	NONE DETECTED	Skim Coat on Drywall; Corridor AAA; New Intensive Care Unit Bed 5822 Entry Door
ECG-17-4236-03C	NONE DETECTED	Gray Sheet Vinyl Flooring with Yellow Mastic and Burlap Backing; Near Intensive Care Unit Entry Door
ECG-17-4236-05C	NONE DETECTED	6" Gray Vinyl Base Cove with Tan Mastic; Near Intensive Care Unit Bed 5822 Entry Door

Z:\Clients\UCDCMC\17-4236 NICU, Davis Tower, 5th Fl - Asb & ICRA - #M011858\Bulk Sample Asb\Bulk Report 01-25-17 (2).wpd

ASBESTECH
 6825 Fair Oaks Blvd., Suite 103
 Carmichael, California 95608
 Tel.(916) 481-8902 Fax (916) 481-3975

Client:

Entek Consulting Group, Inc.
 4200 Rocklin Rd., Suite 7
 Rocklin, CA 95677

Job:

17-4236
 UCDCM Davis Tower
 NICU 5th Flr, 2315 Stockton Blvd.
 Sacramento, CA

BULK ASBESTOS ANALYSIS REPORT

LAB JOB # 63693-1
 Date/Time Collected: 1/25/17
 Date Received: 1/25/17

NVLAP Lab Code 101442-0
 CDPH # 1153
 Date Analyzed: 1/25/17

<i>Sample No.</i>	<i>Color/Description</i>	<i>% Type Asbestos</i>	<i>Other Materials</i>
ECG-17-4236-01A	White drywall corridor 5780	NONE DETECTED	Gypsum Cellulose
	White joint compound	NONE DETECTED	Calcite
01B	White drywall corridor 5780	NONE DETECTED	Gypsum Cellulose
	White joint compound	NONE DETECTED	Calcite
01C	White drywall corridor 5770	NONE DETECTED	Gypsum Cellulose
	White joint compound	NONE DETECTED	Calcite
01D	White drywall corridor 5748	NONE DETECTED	Gypsum Cellulose
	White joint compound 1	NONE DETECTED	Calcite
	White joint compound 2	NONE DETECTED	Calcite
02A	White skim coat on DW corridor 5780	NONE DETECTED	Calcite
02B	White skim coat on DW corridor 5780	NONE DETECTED	Calcite

THE ANALYSIS USES POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING FOLLOWING E.P.A. METHOD 600/R-93/116. NON-FRIABLE MATERIALS WERE ANALYZED APPLYING THE SAME METHOD. THE LOWER DETECTION LIMIT IS <1 % WITH THE PROVISIO THAT PLM MAY NOT DETECT FIBERS <0.25 MICRONS IN DIAMETER THAT MAY BE PRESENT IN SAMPLES SUCH AS FLOOR TILES. IN ACCORDANCE WITH TITLE 22, CCR, SECTION 66261.24(a)(2)(A), THE MCL IS 1 %. SAMPLES WERE NOT COLLECTED BY ASBESTECH. THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL WITHOUT THE APPROVAL OF ASBESTECH. THIS REPORT RELATES ONLY TO THE ITEMS TESTED. THIS REPORT MUST NOT BE USED TO CLAIM PRODUCT ENDORSEMENT BY N.V.L.A.P. OR ANY AGENCY OF THE U.S. GOVERNMENT. ASBESTECH ACCEPTS TECHNICAL RESPONSIBILITY FOR THIS REPORT AND DATE OF ISSUE.

ASBESTECH
6825 Fair Oaks Blvd., Suite 103
Carmichael, California 95608
Tel.(916) 481-8902 Fax (916) 481-3975

Client:

Entek Consulting Group, Inc.
4200 Rocklin Rd., Suite 7
Rocklin, CA 95677

Job:

17-4236
UCDMC Davis Tower
NICU 5th Flr, 2315 Stockton Blvd.
Sacramento, CA

BULK ASBESTOS ANALYSIS REPORT

LAB JOB # 63693-2

Date/Time Collected: 1/25/17

Date Received: 1/25/17

NVLAP Lab Code 101442-0

CDPH # 1153

Date Analyzed: 1/25/17

<i>Sample No.</i>	<i>Color/Description</i>	<i>% Type Asbestos</i>	<i>Other Materials</i>
ECG-17-4236-02C	White skim coat on DW corridor 5770	NONE DETECTED	Calcite
02D	White skim coat on DW patient locker room 5748	NONE DETECTED	Calcite
03A	Tan sheet vinyl flooring/burlap NICU corridor 5780	NONE DETECTED	Synthetics Cellulose
	Yellow mastic	NONE DETECTED	Synthetics
03B	Yellow sheet vinyl flooring/burlap corridor 5770	NONE DETECTED	Synthetics Cellulose
	Yellow mastic	NONE DETECTED	Synthetics
04A	Green glue assoc. w/2' x2' blue/gray carpet square, patient locker room 5748	NONE DETECTED	Synthetics Calcite
04B	Green glue assoc. w/2' x2' blue/gray carpet square, patient locker room 5745	NONE DETECTED	Synthetics Calcite
05A	Tan mastic from gray 6" vinyl base cove corridor 5780	NONE DETECTED	Synthetics Calcite

THE ANALYSIS USES POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING FOLLOWING E.P.A. METHOD 600/R-93/116. NON-FRIABLE MATERIALS WERE ANALYZED APPLYING THE SAME METHOD. THE LOWER DETECTION LIMIT IS <1 % WITH THE PROVISO THAT PLM MAY NOT DETECT FIBERS <0.25 MICRONS IN DIAMETER THAT MAY BE PRESENT IN SAMPLES SUCH AS FLOOR TILES. IN ACCORDANCE WITH TITLE 22, CCR, SECTION 66261.24(a)(2)(A), THE MCL IS 1 %. SAMPLES WERE NOT COLLECTED BY ASBESTECH. THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL WITHOUT THE APPROVAL OF ASBESTECH. THIS REPORT RELATES ONLY TO THE ITEMS TESTED. THIS REPORT MUST NOT BE USED TO CLAIM PRODUCT ENDORSEMENT BY N.V.L.A.P. OR ANY AGENCY OF THE U.S. GOVERNMENT. ASBESTECH ACCEPTS TECHNICAL RESPONSIBILITY FOR THIS REPORT AND DATE OF ISSUE.

ASBESTECH
6825 Fair Oaks Blvd., Suite 103
Carmichael, California 95608
Tel.(916) 481-8902 Fax (916) 481-3975

Client:

Entek Consulting Group, Inc.
4200 Rocklin Rd., Suite 7
Rocklin, CA 95677

Job:

17-4236
UCDMC Davis Tower
NICU 5th Flr, 2315 Stockton Blvd.
Sacramento, CA

BULK ASBESTOS ANALYSIS REPORT

LAB JOB # 63693-3
Date/Time Collected: 1/25/17
Date Received: 1/25/17

NVLAP Lab Code 101442-0
CDPH # 1153
Date Analyzed: 1/25/17

<i>Sample No.</i>	<i>Color/Description</i>	<i>% Type Asbestos</i>	<i>Other Materials</i>
ECG-17-4236-05B	White 6" vinyl base cove corridor 5770	NONE DETECTED	Opagues Calcite
	Tan mastic	NONE DETECTED	Synthetics Calcite
06A	Gray 12"x12" floor tile Patient locker room 5748	NONE DETECTED	Calcite
	Tan mastic	NONE DETECTED	Synthetics
	Green glue	NONE DETECTED	Synthetics
07A	Tan 4" vinyl base cove Patient locker room 5748	NONE DETECTED	Opagues Calcite
	Tan mastic	NONE DETECTED	Synthetics Calcite
07B	Tan 4" vinyl base cove Patient locker room 5748	NONE DETECTED	Opagues Calcite
	Tan mastic	NONE DETECTED	Synthetics Calcite

THE ANALYSIS USES POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING FOLLOWING E.P.A. METHOD 600/R-93/116. NON-FRIABLE MATERIALS WERE ANALYZED APPLYING THE SAME METHOD. THE LOWER DETECTION LIMIT IS <1 % WITH THE PROVISO THAT PLM MAY NOT DETECT FIBERS <0.25 MICRONS IN DIAMETER THAT MAY BE PRESENT IN SAMPLES SUCH AS FLOOR TILES. IN ACCORDANCE WITH TITLE 22, CCR, SECTION 66261.24(a)(2)(A), THE MCL IS 1 %. SAMPLES WERE NOT COLLECTED BY ASBESTECH. THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL WITHOUT THE APPROVAL OF ASBESTECH. THIS REPORT RELATES ONLY TO THE ITEMS TESTED. THIS REPORT MUST NOT BE USED TO CLAIM PRODUCT ENDORSEMENT BY N.V.L.A.P. OR ANY AGENCY OF THE U.S. GOVERNMENT. ASBESTECH ACCEPTS TECHNICAL RESPONSIBILITY FOR THIS REPORT AND DATE OF ISSUE.

ASBESTECH
 6825 Fair Oaks Blvd., Suite 103
 Carmichael, California 95608
 Tel.(916) 481-8902 Fax (916) 481-3975

Client:

Entek Consulting Group, Inc.
 4200 Rocklin Rd., Suite 7
 Rocklin, CA 95677

Job:

17-4236
 UCDCM Davis Tower
 NICU 5th Flr, 2315 Stockton Blvd.
 Sacramento, CA

BULK ASBESTOS ANALYSIS REPORT

LAB JOB # 63696-1
 Date/Time Collected: 1/25/17
 Date Received: 1/25/17

NVLAP Lab Code 101442-0
 CDPH # 1153
 Date Analyzed: 1/25/17

<i>Sample No.</i>	<i>Color/Description</i>	<i>% Type Asbestos</i>	<i>Other Materials</i>
ECG-17-4236-01E	White drywall corridor AAA near Intensive Care Unit beds 5822 entry door	NONE DETECTED	Gypsum Fibrous Glass
	White joint compound 1	NONE DETECTED	Calcite
	White joint compound 2	NONE DETECTED	Calcite
02E	White skim coat on drywall, corridor AAA near exit stairs	NONE DETECTED	Calcite
02F	White skim coat on drywall, corridor AAA under bench A2 perimeter windows	NONE DETECTED	Calcite
	Yellow mastic	NONE DETECTED	Synthetics
02G	White skim coat on drywall, corridor AAA near Intensive Care Unit 5822 entry door	NONE DETECTED	Calcite
05C	Gray 6" vinyl base cove, near Intensive Care Unit bed 5822 entry door	NONE DETECTED	Opaques Cellulose
	Tan mastic	NONE DETECTED	Calcite

THE ANALYSIS USES POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING FOLLOWING E.P.A. METHOD 600/R-93/116. NON-FRIABLE MATERIALS WERE ANALYZED APPLYING THE SAME METHOD. THE LOWER DETECTION LIMIT IS <1 % WITH THE PROVISIO THAT PLM MAY NOT DETECT FIBERS <0.25 MICRONS IN DIAMETER THAT MAY BE PRESENT IN SAMPLES SUCH AS FLOOR TILES. IN ACCORDANCE WITH TITLE 22, CCR, SECTION 66261.24(a)(2)(A), THE MCL IS 1%. SAMPLES WERE NOT COLLECTED BY ASBESTECH. THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL WITHOUT THE APPROVAL OF ASBESTECH. THIS REPORT RELATES ONLY TO THE ITEMS TESTED. THIS REPORT MUST NOT BE USED TO CLAIM PRODUCT ENDORSEMENT BY N.V.L.A.P. OR ANY AGENCY OF THE U.S. GOVERNMENT. ASBESTECH ACCEPTS TECHNICAL RESPONSIBILITY FOR THIS REPORT AND DATE OF ISSUE.

ASBESTECH
 6825 Fair Oaks Blvd., Suite 103
 Carmichael, California 95608
 Tel.(916) 481-8902 Fax (916) 481-3975

Client:

Entek Consulting Group, Inc.
 4200 Rocklin Rd., Suite 7
 Rocklin, CA 95677

Job:

17-4236
 UCDCM Davis Tower
 NICU 5th Flr, 2315 Stockton Blvd.
 Sacramento, CA

BULK ASBESTOS ANALYSIS REPORT

LAB JOB # 63696-2
 Date/Time Collected: 1/25/17
 Date Received: 1/25/17

NVLAP Lab Code 101442-0
 CDPH # 1153
 Date Analyzed: 1/25/17

<i>Sample No.</i>	<i>Color/Description</i>	<i>% Type Asbestos</i>	<i>Other Materials</i>
ECG-17-4236-03C	Gray sheet vinyl flooring w/ burlap backing, near Intensive Care Unit entry door	NONE DETECTED	Opagues Cellulose
	Yellow mastic	NONE DETECTED	Synthetics
	White mastic	NONE DETECTED	Calcite

THE ANALYSIS USES POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING FOLLOWING E.P.A. METHOD 600/R-93/116. NON-FRIABLE MATERIALS WERE ANALYZED APPLYING THE SAME METHOD. THE LOWER DETECTION LIMIT IS <1 % WITH THE PROVISO THAT PLM MAY NOT DETECT FIBERS <0.25 MICRONS IN DIAMETER THAT MAY BE PRESENT IN SAMPLES SUCH AS FLOOR TILES. IN ACCORDANCE WITH TITLE 22, CCR, SECTION 66261.24(a)(2)(A), THE MCL IS 1 %. SAMPLES WERE NOT COLLECTED BY ASBESTECH. THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL WITHOUT THE APPROVAL OF ASBESTECH. THIS REPORT RELATES ONLY TO THE ITEMS TESTED. THIS REPORT MUST NOT BE USED TO CLAIM PRODUCT ENDORSEMENT BY N.V.L.A.P. OR ANY AGENCY OF THE U.S. GOVERNMENT. ASBESTECH ACCEPTS TECHNICAL RESPONSIBILITY FOR THIS REPORT AND DATE OF ISSUE.



63693

BULK ASBESTOS MATERIAL Analysis Request

ENTEK CONSULTING GROUP, INC.
 4200 ROCKLIN ROAD, SUITE 7
 ROCKLIN, CA 95677
 (916) 632-6800 PHONE
 (916) 632-6812 FAX
 mainoffice@entekgroup.com

Date of Sampling: 1-25-17

Lab: Asbestech

Job Number: 17-4236

Collected by: Ryan Metzger

Client Name: UCDMC
Davis Tower - NICO - 5th FLOOR

Turnaround Time: Day: ASAP
 Date: 1/1/17 Time: _____

Site Address: 2315 Stockton Blvd
SACRAMENTO, CA

ANALYSIS REQUESTED: Asbestos by PLM with Dispersion Staining

Call Ryan

Special Instruction: Stop Analysis upon first positive result (>1%) for sample in a series. Also stop analysis upon first positive result (>1%) in the joint compound for sample series.

Please e-mail results as soon as available and include copy of submittal with those results.

SAMPLE #	MATERIAL DESCRIPTION/LOCATION
ECG-17-4236-01A	DW, JLC " Corridor 5780
ECG-17-4236-01B	" " Corridor 5780
ECG-17-4236-01C	" " Corridor 5770
ECG-17-4236-01D	" " Patient Lockers 5748
ECG-17-4236-02A	Skim coat on DW, Corridor 5780
ECG-17-4236-02B	" " Corridor 5780
ECG-17-4236-02C	" " Corridor 5770
ECG-17-4236-03A	Sheet vinyl flooring w/ mastic Tan sheet vinyl flooring w/ yellow mastic and padding ^{box/UP} backing; NICO, Corv 5780
ECG-17-4236-03B	" Yellow Sheet Vinyl Flooring w/ yellow mastic and box/UP backing, Corridor 5770
ECG-17-4236-03C	" _____

02D on next page

Delivered by: [Signature]

Date: 1/25/17 Time: 9:15 AM/PM

Received by: [Signature]

Date: 1/25/17 Time: 9:15 AM/PM

63693



BULK ASBESTOS MATERIAL Analysis Request

ENTEK CONSULTING GROUP, INC.

4200 ROCKLIN ROAD, SUITE 7
 ROCKLIN, CA 95677
 (916) 632-6800 PHONE
 (916) 632-6812 FAX
 mainoffice@entekgroup.com

Date of Sampling: 1-25-17

Lab: Asbestech

Job Number: 17-4236

Collected by: Ryan Metzger

Client Name: UCOMC

Turnaround Time: Day: ASAP
 Date: 1/25/17 Time:

Site Address: NICO - Dwell Tower - 5th floor
2315 Stockton Blvd
Sacramento, CA

ANALYSIS REQUESTED: Asbestos by PLM with Dispersion Staining

Special Instruction: Stop Analysis upon first positive result (>1%) for sample in a series. Also stop analysis upon first positive result (>1%) in the joint compound for sample series.

Please e-mail results as soon as available and include copy of submittal with those results.

SAMPLE #	MATERIAL DESCRIPTION/LOCATION
ECG-17-4236-04A	2'x2' Blue/gray carpet square Green Mastic Associated w/ 2'x2' blue/gray carpet square; Patient Locker Room 5748 5748
ECG-17-4236-04B	" " " " Patient Locker Room 5748
ECG-17-4236-05A	6" vinyl Base coat w/ Tar Mastic; Corridor Gray 5760
ECG-17-4236-05B	" " " " Corridor 5770 5770
ECG-17-4236-06A	Gray 12" x 12" w/ Tar Mastic and Green Glue; Patient Locker Room 5748
ECG-17-4236-06B	" " " "
ECG-17-4236-07A	4" Tar Vinyl Base coat w/ Tar Mastic; Patient Locker Room 5748
ECG-17-4236-07B	" " " " Patient Locker Room 5748
ECG-17-4236-02D	SKIN COAT on Drywall; Patient Locker Room 5748
ECG-	

Delivered by: [Signature] Date: 1/25/17 Time: 9:15 AM/PM
 Received by: [Signature] Date: 1/25/17 Time: 9:15 AM/PM

63696



BULK ASBESTOS MATERIAL *Analysis Request*

ENTEK CONSULTING GROUP, INC.
 4200 ROCKLIN ROAD, SUITE 7
 ROCKLIN, CA 95677
 (916) 632-6800 PHONE
 (916) 632-6812 FAX
 mainoffice@entekgroup.com

Date of Sampling: 1-25-17

Lab: Asbestech

Job Number: 17-4236

Collected by: Ryan Metzger

Client Name: UCDMC

Turnaround Time: Day: ASAP
 Date: / / Time:

Site Address: Davis Tower - 5th Flr - NCCU
2315 Stockton Blvd
Sacramento, CA

ANALYSIS REQUESTED: Asbestos by PLM with Dispersion Staining

Special Instruction: Stop Analysis upon first positive result (>1%) for sample in a series. Also stop analysis upon first positive result (>1%) in the joint compound for sample series.

Please e-mail results as soon as available and include copy of submittal with those results.

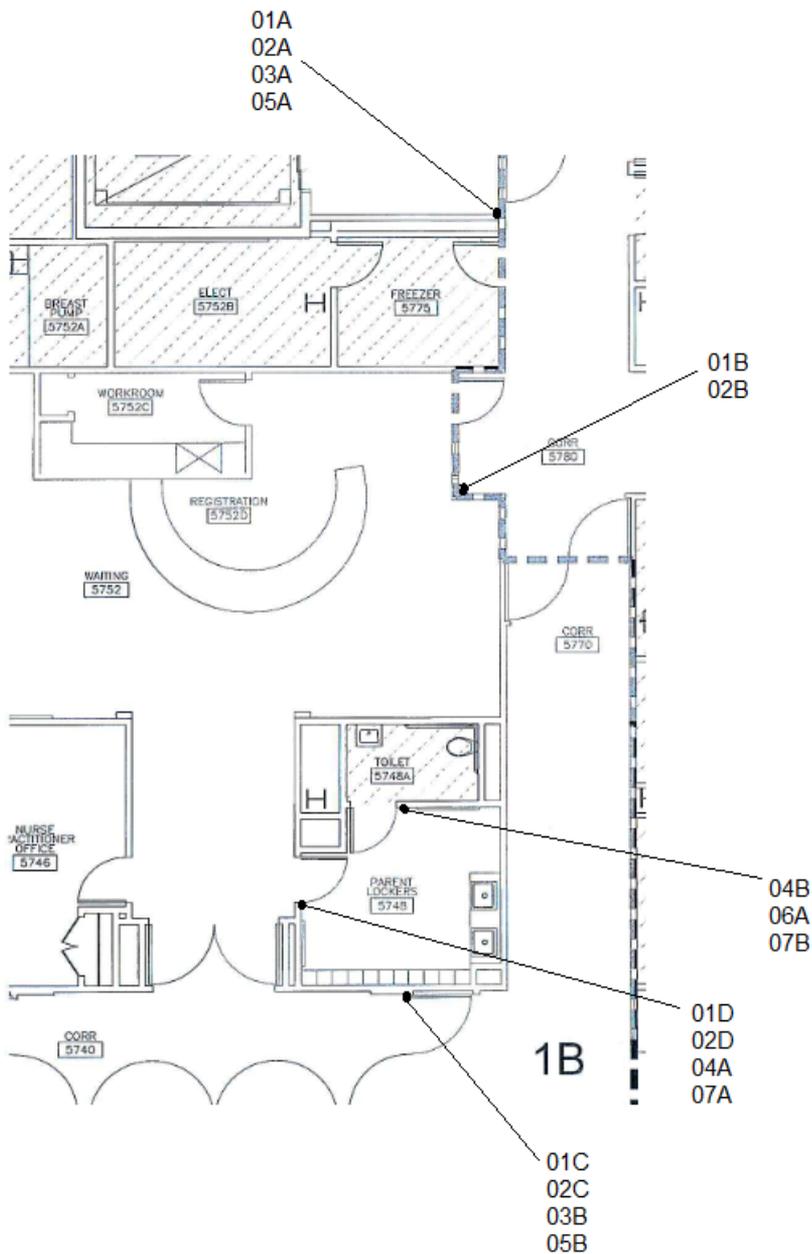
SAMPLE #	MATERIAL DESCRIPTION/LOCATION
ECG-17-4236-01E	Drywall and Joint Compound; Corridor AAA; Near Intensive Care Unit Beds 5P22 Entry Door
ECG-17-4236-02E	Skim coat on Drywall; Corridor AAA; Near Exit stairs
ECG-17-4236-02F	" " " " ; Under Bench; At Perimeter Windows; Corridor AAA
ECG-17-4236-02G	" " " " ; Corridor AAA; Near Intensive Care Unit Bed 5P22 Entry Door
ECG-17-4236- 02H ^{05C}	6" Gray vinyl Base coat w/Tan Mastic; Near Intensive Care Unit Bed 5P22 Entry Door
ECG-17-4236- 02I ^{03C}	Gray sheet vinyl flooring w/ yellow mastic and burlap backing; Near Intensive Care Unit Entry Door
ECG-	
ECG-	
ECG-	
ECG-	

Delivered by: Ryan Metzger

Date: 1/25/17 Time: 1:05 AM/PM

Received by: [Signature]

Date: 1/25/17 Time: 1:05 AM/PM

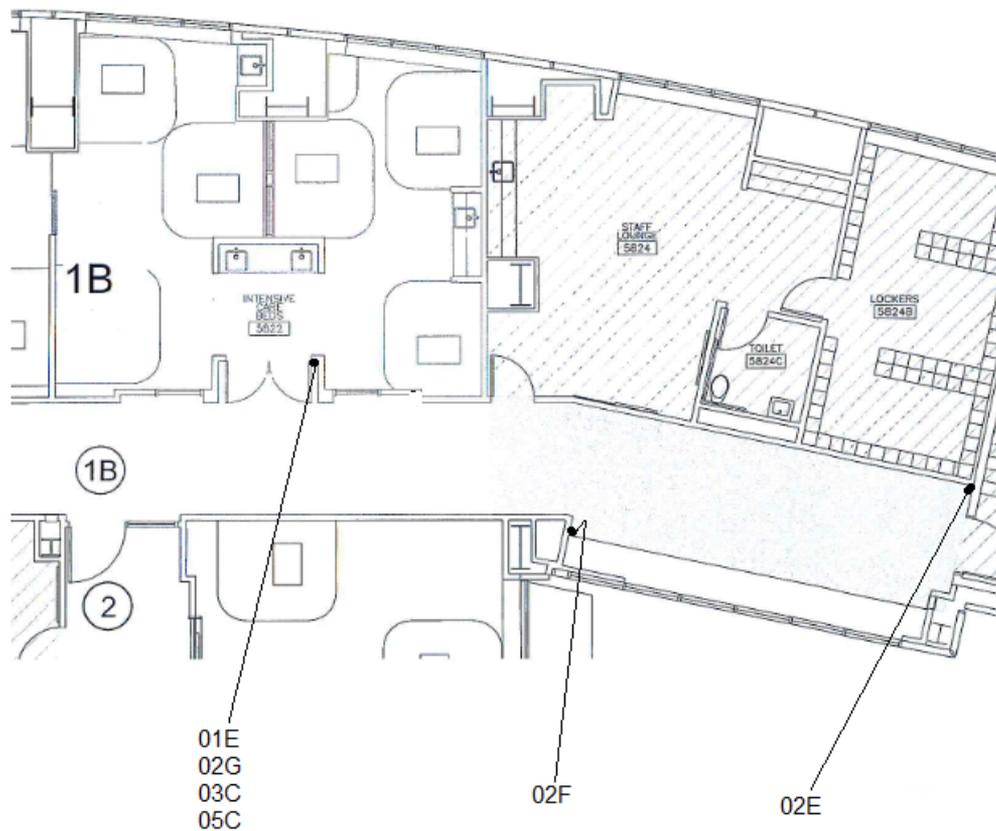


Sample Numbers are Preceded by ECG-17-4236

UCDMC
NICU, Davis Tower, 5th Floor
Flooring Replacement Project
Sacramento, CA 95817

Entek Consulting Group, Inc.
4200 Rocklin Road, Suite 7
Rocklin, CA 95677
Map Not to Scale

Asbestos Bulk Sample Locations
Collected by Ryan Metzgen
on January 25, 2017
Project Number 17-4236

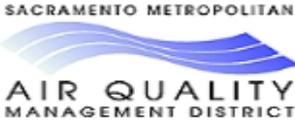


Sample Numbers are Preceded by ECG-17-4236

UCDMC
NICU, Davis Tower, 5th Floor
Flooring Replacement Project
Sacramento, CA 95817

Entek Consulting Group, Inc.
4200 Rocklin Road, Suite 7
Rocklin, CA 95677
Map Not to Scale

Asbestos Bulk Sample Locations
Collected by Ryan Metzger
on January 25, 2017
Project Number 17-4236



Asbestos Renovation/Demolition Notification Form

777 12th Street, 3rd Floor
Sacramento, CA 95814
Office (916) 874-4800
Fax (916) 874-4899
Asbestos@airquality.org

1	<input checked="" type="checkbox"/> Renovation (Do Not Complete items 5 or 6) <input type="checkbox"/> Demolition (Complete all sections)	<input type="checkbox"/> Order Demolition (Complete all sections) <input type="checkbox"/> Emergency Demolition (Complete all sections)
----------	--	--

2	Contractor	Owner UCDMC
	Address	Address 2315 Stockton Blvd, DT5
	City State/ Zip	City State/ Zip Sacramento, CA 95817
	Email	Email mtwist@ucdmc.ucdavis.edu
	Telephone	Telephone 916-734-3176

3	Structure Name Davis Tower	Renovation Area 5 th Floor, NICU	# of Floors 14
	Address 2315 Stockton Blvd.	City/ Zip Sacramento, 95817	Year Built 1999

4	Preference for return of form	<input type="checkbox"/> E-mail (see instructions) _____ <input type="checkbox"/> Contractor <input type="checkbox"/> Owner	US Mail:	<input type="checkbox"/> Pick up (after two working days)

SECTIONS 5 & 6 - DEMOLITIONS ONLY - NOTE: Start date must be at least 10 working days from the day of your postmark or hand delivery of this for to SMAQMD

5	Start Date: _____ / _____ / _____	Completion Date: _____ / _____ / _____	Emergency Demo # _____

6	Revision # 1 2 3 4 5 6 7 8 9 (circle)	
	Old Start Date _____ / _____ / _____	New Start Date _____ / _____ / _____
	Old Completion Date _____ / _____ / _____	New Completion Date _____ / _____ / _____
	Method of Demo: Procedure to be followed if RACM is found or Category II material becomes friable:	

SECTION 7 - Attach completed Asbestos Survey Form and Consultant's report or have DOSH Consultant complete section 7

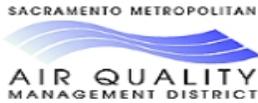
7	Company Name: Entek Consulting Group, Inc.	Telephone: 916-632-6800	
	Surveyor's Name Ryan Metzen	DOSH # 16-5650	
	Analytical Procedure: PLM by Dispersion Staining	Survey Date: 1-25-17	
	Amount of RACM Square Feet 0	Linear Feet 0	Cubic Feet 0
	Amount of Category I -0-	Amount of Category II -0-	
	Project Address: 2315 Stockton Blvd, DT5	City Sacramento	Zip 95817
	Suspect Materials Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Consultant's Signature 	

I have read and understand the directions. The information on this form is true and accurate.

8	I certify that the asbestos survey conducted on _____ (date) represents the facility as built. _____ (initial)		
	Application Name (Print)	<input type="checkbox"/> Owner <input type="checkbox"/> Rep / Agent <input type="checkbox"/> Contractor	Permit shall not be issued prior to:
	Phone Number		
	Applicant's Signature	Date	

SMAQMD USE ONLY:

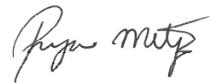
Project # _____	Received Date/ Postmark _____	Date Form Returned _____	Initial _____
Check # _____	Receipt # _____	Amount Paid _____	Staff _____ Date Approved _____



Asbestos Survey Form

(See Instructions)

777 12th Street, 3rd Floor
 Sacramento, CA 95814
 Office (916) 874-4800
 Fax (916) 874-4899
 Email:
asbestos@airquality.org

1. Purpose of Survey		<input checked="" type="checkbox"/> Renovation		<input type="checkbox"/> Demolition		
2. Facility Information						
Project Area(s) Description Davis Tower, 5 th Floor, NICU						
Address 2315 Stockton Blvd.			City Sacramento		# of Structures 1	
3. Owner Information						
Name UCDMC						
Address 2315 Stockton Blvd, DT5			City/State Sacramento		Zip 95817	
Contact	Phone	Fax	Email			
Michelle Twist	916-734-3176	916-734-7751	Mtwist@ucdmc.ucdavis.edu			
4. Consultant Information		Survey Date(s): 1-25-17				
Company Name Entek Consulting Group, Inc.						
Name Ryan Metzen					DOSH # 16-5650	
Address 4200 Rocklin Road, Suite 7			City/State Rocklin, California		Zip 95677	
Phone (916) 632-6800	Fax (916) 632-6812	Email rmetzen@entekgroup.com		Signature 		
5. Client Information (If different than owner)		<input type="checkbox"/> General Contractor		<input type="checkbox"/> Insurance Company		
<input type="checkbox"/> Architect		<input type="checkbox"/> Property Manager		<input type="checkbox"/> Other _____		
Name						
Address				City/State	Zip 95678	
Contact	Phone	Fax		Email		
6. Have all of the suspect materials that will be disturbed been sampled?					<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
If no, explain why:						
7. Summary of Total Asbestos Containing Material (ACM) Findings						
Regulated Asbestos Containing Material (RACM) (Includes materials subject to known mechanical removal and fire damaged materials)			Category II		Category I	
Square Ft.	Linear Ft.	Cubic Ft.	Square Ft.	Linear Ft.	Square Ft.	Linear Ft.
0	0	0	0	0	0	0
To receive future SMAQMD Rule updates and changes affecting your industry (check one box):						
<input type="checkbox"/> Please send e-mail notices to			<input type="checkbox"/> I will sign up myself at www.airquality.org/listserve/ to receive emailed notices.			
<input checked="" type="checkbox"/> I am already subscribed.		<input type="checkbox"/> I want the District to mail notices to the address on this application:			<input type="checkbox"/> Owner	<input type="checkbox"/> Consultant



APPENDIX B

BACK UP DOCUMENTATION

- Inspector Accreditations and Certifications
- Laboratory Accreditations for Asbestos and Lead Analysis

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



Ryan Metzen

Name

Certification No. **16-5650**

Expires on **06/15/17**

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.

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

Richard A Beall
Name



Certification No. **92-0032**
Expires on **07/07/17**

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.

State of California Department of Public Health

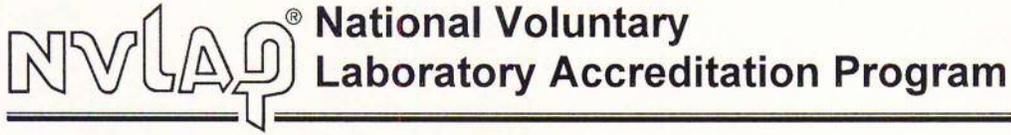
Lead-Related
Construction
Certificate

Certificate Type	Expiration Date
Inspector/Assessor	04/19/2017
Project Designer	04/19/2017
Project Monitor	04/19/2017



Richard A. Beall

ID #: 769



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

ASBESTECH

6825 Fair Oaks Blvd., Suite 103

Carmichael, CA 95608

Mr. Tommy Conlon

Phone: 916-481-8902 Fax: 916-481-3975

Email: asbestech@sbcglobal.net

<http://www.asbestechlab.com>

ASBESTOS FIBER ANALYSIS

NVLAP LAB CODE 101442-0

Bulk Asbestos Analysis

<u>Code</u>	<u>Description</u>
18/A01	EPA 600/M4-82-020: Interim Method for 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

<u>Code</u>	<u>Description</u>
18/A02	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.

A handwritten signature in black ink, appearing to read "Dana S. Laman".

For the National Voluntary Laboratory Accreditation Program

United States Department of Commerce
National Institute of Standards and Technology



Certificate of Accreditation to ISO/IEC 17025:2005

NVLAP LAB CODE: 101442-0

ASBESTECH

Carmichael, 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 17025:2005.
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).*

2016-07-01 through 2017-06-30

Effective Dates



A handwritten signature in black ink, appearing to read "Dana S. Laman". The signature is written over a horizontal line.

For the National Voluntary Laboratory Accreditation Program



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Testing, Inspection, and Observation Program

2022 California Building Standards Code - OSHPD 1

This program is prepared and submitted for an OSHPD 1 project. OSHPD 1 projects include all construction and remodel projects for: general acute care hospitals, acute psychiatric hospitals, and general acute care hospitals providing only acute medical rehabilitation center services (2022 CBC 1224.1).

SECTION A		PROJECT INFORMATION	
Facility #:	Facility Name:	Project #:	
10619	University of California Davis Medical Center	S231818-34-00	
Street Address:	2315 Stockton Boulevard		
City:	Sacramento	County:	Sacramento
Record Name (Scope of Project):	9557760 MAIN HOSP IT HUGS Upgrade		
Abbreviations:			
CAC: California Administrative Code		AAMA: American Architectural Manufacturers Association	
CBC: California Building Code		NFPA: National Fire Protection Association	
CEC: California Electrical Code		FM: FM Approval Standards	
CMC: California Mechanical Code		DPOR: Design Professional of Record	
CPC: California Plumbing Code		Version: R04.35	

Testing, Inspection, and Observation Stages

Stage No.	Stage Name	Stage Scope / Description
1	University Tower Floor 3	Elopement Provention System Modernization on 3rd Floor of University Tower
2	Davis Tower Floor 3	Elopement Provention System Modernization on 3rd Floor of Davis Tower
3	Davis Tower Floor 5	Elopement Provention System Modernization on 5th Floor of Davis Tower
4	Davis Tower Floor 7	Elopement Provention System Modernization on 7th Floor of Davis Tower
5	Davis Tower Floor 10	Elopement Provention System Modernization on 10th Floor of Davis Tower

DESIGN PROFESSIONAL OF RECORD RESPONSIBILITY

The administration of the work of construction, including this TIO, shall be under the responsible charge of an architect and structural engineer. When a structural engineer is not substantially involved, the architect shall be solely responsible. Where neither structural nor architectural elements are substantially involved, a mechanical or electrical engineer registered in the branch of engineering most applicable to the project may be in responsible charge. (CAC 7-141(a))

Note: HCAI plan review staff must provide verification that the TIO program has been "Reviewed" prior to plan approval to confirm the applicability of the tests and inspections identified in the TIO program for work scope, building systems, and the construction materials shown in the design drawings. Field staff will issue subsequent "TIO Program Approval".

The "TIO Program Approval" from HCAI field staff must be obtained and included with the notice of start of construction required by CAC Section 7-137(a)4 and 7-145(a)5.A)

HCAI Note: SEOR to sign the TIO form.
 Bob Myers SSE, North Region



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Testing, Inspection, and Observation Program

2022 California Building Standards Code - OSHPD 1

***Construction shall not commence until the health facility has obtained from HCAI "TIO Program Approval".
(CAC Section 7-135(a)3)***



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Testing, Inspection, and Observation Program

2022 California Building Standards Code - OSHPD 1

SECTION B		NOTE: Approved agencies, individuals, and all changes to the TIO program shall be identified, evaluated by the DPOR and approved by HCAI prior to proceeding with the related work.					
Facility #:	Facility Name:	Project #:					
10619	University of California Davis Medical Center	S231818-34-00					
Stage 1: University Tower Floor 3		Select with "X" or provide required OPAA information:					
Index #	Stage 1 Required (Select with "X")	TESTS	Samples of Test & Inspection Reports Included	OPAA No. and Expiration Date	Responsible Approved Agency And/Or Individual (Identify Individual)	Compliance Verification by IOR (Initial/Date)	HCAI/FDD Use (Initial/Date)
STRUCTURAL TESTS							
Concrete							
B-C13	X	Post-installed anchors CBC 1910A.5 Installation verification test (includes adhesive, shot pins and mechanical anchors)					



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Testing, Inspection, and Observation Program

2022 California Building Standards Code - OSHPD 1

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Facility #:	Facility Name:	Project #:					
10619	University of California Davis Medical Center	S231818-34-00					
Stage 2: Davis Tower Floor 3		Select with "X" or provide required OPAA information:					
Index #	Stage 2 Required (Select with "X")	TESTS	Samples of Test & Inspection Reports Included	OPAA No. and Expiration Date	Responsible Approved Agency And/Or Individual (Identify Individual)	Compliance Verification by IOR (Initial/Date)	HCAI/FDD Use (Initial/Date)
STRUCTURAL TESTS							
Concrete							
B-C13	X	Post-installed anchors CBC 1910A.5 Installation verification test (includes adhesive, shot pins and mechanical anchors)					



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Testing, Inspection, and Observation Program

2022 California Building Standards Code - OSHPD 1

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Facility #:	Facility Name:	Project #:					
10619	University of California Davis Medical Center	S231818-34-00					
Stage 3: Davis Tower Floor 5		Select with "X" or provide required OPAA information:					
Index #	Stage 3 Required (Select with "X")	TESTS	Samples of Test & Inspection Reports Included	OPAA No. and Expiration Date	Responsible Approved Agency And/Or Individual (Identify Individual)	Compliance Verification by IOR (Initial/Date)	HCAI/FDD Use (Initial/Date)
STRUCTURAL TESTS							
Concrete							
B-C13	X	Post-installed anchors CBC 1910A.5 Installation verification test (includes adhesive, shot pins and mechanical anchors)					



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Testing, Inspection, and Observation Program

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Facility #:	Facility Name:	Project #:					
10619	University of California Davis Medical Center	S231818-34-00					
Stage 4: Davis Tower Floor 7		Select with "X" or provide required OPAA information:					
Index #	Stage 4 Required (Select with "X")	TESTS	Samples of Test & Inspection Reports Included	OPAA No. and Expiration Date	Responsible Approved Agency And/Or Individual (Identify Individual)	Compliance Verification by IOR (Initial/Date)	HCAI/FDD Use (Initial/Date)
STRUCTURAL TESTS							
Concrete							
B-C13	X	Post-installed anchors CBC 1910A.5 Installation verification test (includes adhesive, shot pins and mechanical anchors)					



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Testing, Inspection, and Observation Program

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Facility #:	Facility Name:	Project #:					
10619	University of California Davis Medical Center	S231818-34-00					
Stage 5: Davis Tower Floor 10		Select with "X" or provide required OPAA information:					
Index #	Stage 5 Required (Select with "X")	TESTS	Samples of Test & Inspection Reports Included	OPAA No. and Expiration Date	Responsible Approved Agency And/Or Individual (Identify Individual)	Compliance Verification by IOR (Initial/Date)	HCAI/FDD Use (Initial/Date)
STRUCTURAL TESTS							
Concrete							
B-C13	X	Post-installed anchors CBC 1910A.5 Installation verification test (includes adhesive, shot pins and mechanical anchors)					



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Testing, Inspection, and Observation Program

2022 California Building Standards Code - OSHPD 1

SECTION C		NOTE: Approved agencies, individuals, and all changes to the TIO program shall be identified, evaluated by the DPOR and approved by HCAI prior to proceeding with the related work.					
Facility #:	Facility Name:	Project #:					
10619	University of California Davis Medical Center	S231818-34-00					
Stage 1: University Tower Floor 3		Select with "X" or provide required OPAA information:					
Index #	Stage 1 Required (Select with "X")	ON-SITE SPECIAL INSPECTIONS	Samples of Test & Inspection Reports Included	OPAA No. and Expiration Date	Responsible Approved Agency And/Or Individual (Identify Special Inspector)	Compliance Verification by IOR (Initial/Date)	HCAI/FDD Use (Initial/Date)
STRUCTURAL SPECIAL INSPECTIONS							
Concrete							
C-C5	X	Concrete CBC 1705A.3 CIP & post-installed anchors					
FIRE PROTECTION AND LIFE SAFETY SYSTEM SPECIAL INSPECTIONS							
C-FP3	X	Penetration Firestops CBC 1705A.18.1 Penetration firestop systems that are tested and listed					



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Testing, Inspection, and Observation Program

2022 California Building Standards Code - OSHPD 1

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Facility #:	Facility Name:	Project #:					
10619	University of California Davis Medical Center	S231818-34-00					
Stage 2: Davis Tower Floor 3		Select with "X" or provide required OPAA information:					
Index #	Stage 2 Required (Select with "X")	ON-SITE SPECIAL INSPECTIONS	Samples of Test & Inspection Reports Included	OPAA No. and Expiration Date	Responsible Approved Agency And/Or Individual (Identify Special Inspector)	Compliance Verification by IOR (Initial/Date)	HCAI/FDD Use (Initial/Date)
STRUCTURAL SPECIAL INSPECTIONS							
Concrete							
C-C5	X	Concrete CBC 1705A.3 CIP & post-installed anchors					
FIRE PROTECTION AND LIFE SAFETY SYSTEM SPECIAL INSPECTIONS							
C-FP3	X	Penetration Firestops CBC 1705A.18.1 Penetration firestop systems that are tested and listed					



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Testing, Inspection, and Observation Program

2022 California Building Standards Code - OSHPD 1

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Facility #:	Facility Name:	Project #:					
10619	University of California Davis Medical Center	S231818-34-00					
Stage 3: Davis Tower Floor 5		Select with "X" or provide required OPAA information:					
Index #	Stage 3 Required (Select with "X")	ON-SITE SPECIAL INSPECTIONS	Samples of Test & Inspection Reports Included	OPAA No. and Expiration Date	Responsible Approved Agency And/Or Individual (Identify Special Inspector)	Compliance Verification by IOR (Initial/Date)	HCAI/FDD Use (Initial/Date)
STRUCTURAL SPECIAL INSPECTIONS							
Concrete							
C-C5	X	Concrete CBC 1705A.3 CIP & post-installed anchors					
FIRE PROTECTION AND LIFE SAFETY SYSTEM SPECIAL INSPECTIONS							
C-FP3	X	Penetration Firestops CBC 1705A.18.1 Penetration firestop systems that are tested and listed					



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Testing, Inspection, and Observation Program

2022 California Building Standards Code - OSHPD 1

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Facility #:	Facility Name:	Project #:					
10619	University of California Davis Medical Center	S231818-34-00					
Stage 4: Davis Tower Floor 7		Select with "X" or provide required OPAA information:					
Index #	Stage 4 Required (Select with "X")	ON-SITE SPECIAL INSPECTIONS	Samples of Test & Inspection Reports Included	OPAA No. and Expiration Date	Responsible Approved Agency And/Or Individual (Identify Special Inspector)	Compliance Verification by IOR (Initial/Date)	HCAI/FDD Use (Initial/Date)
STRUCTURAL SPECIAL INSPECTIONS							
Concrete							
C-C5	X	Concrete CBC 1705A.3 CIP & post-installed anchors					
FIRE PROTECTION AND LIFE SAFETY SYSTEM SPECIAL INSPECTIONS							
C-FP3	X	Penetration Firestops CBC 1705A.18.1 Penetration firestop systems that are tested and listed					



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Testing, Inspection, and Observation Program

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Facility #:	Facility Name:	Project #:					
10619	University of California Davis Medical Center	S231818-34-00					
Stage 5: Davis Tower Floor 10		Select with "X" or provide required OPAA information:					
Index #	Stage 5 Required (Select with "X")	ON-SITE SPECIAL INSPECTIONS	Samples of Test & Inspection Reports Included	OPAA No. and Expiration Date	Responsible Approved Agency And/Or Individual (Identify Special Inspector)	Compliance Verification by IOR (Initial/Date)	HCAI/FDD Use (Initial/Date)
STRUCTURAL SPECIAL INSPECTIONS							
Concrete							
C-C5	X	Concrete CBC 1705A.3 CIP & post-installed anchors					
FIRE PROTECTION AND LIFE SAFETY SYSTEM SPECIAL INSPECTIONS							
C-FP3	X	Penetration Firestops CBC 1705A.18.1 Penetration firestop systems that are tested and listed					



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Testing, Inspection, and Observation Program

2022 California Building Standards Code - OSHPD 1

SECTION D		NOTE: Approved agencies, individuals, and all changes to the TIO program shall be identified, evaluated by the DPOR and approved by HCAI prior to proceeding with the related work.				
Facility #:	Facility Name:	Project #:				
10619	University of California Davis Medical Center	S231818-34-00				
Stage 1: University Tower Floor 3		Select with "X" or provide required OPAA information:				
Index #	OFF-SITE SPECIAL INSPECTIONS	Samples of Test & Inspection Reports Included	OPAA No. and Expiration Date	Responsible Approved Agency And/Or Individual (Identify Special Inspector)	Compliance Verification by IOR (Initial/Date)	HCAI/FDD Use (Initial/Date)
No Requirements for this Section of the TIO						



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Facility #:	Facility Name:	Project #:					
10619	University of California Davis Medical Center	S231818-34-00					
Stage 2: Davis Tower Floor 3		Select with "X" or provide required OPAA information:					
Index #	Stage 2 Required (Select with "X")	OFF-SITE SPECIAL INSPECTIONS	Samples of Test & Inspection Reports Included	OPAA No. and Expiration Date	Responsible Approved Agency And/Or Individual (Identify Special Inspector)	Compliance Verification by IOR (Initial/Date)	HCAI/FDD Use (Initial/Date)
No Requirements for this Section of the TIO							



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Facility #:	Facility Name:	Project #:					
10619	University of California Davis Medical Center	S231818-34-00					
Stage 3: Davis Tower Floor 5		Select with "X" or provide required OPAA information:					
Index #	Stage 3 Required (Select with "X")	OFF-SITE SPECIAL INSPECTIONS	Samples of Test & Inspection Reports Included	OPAA No. and Expiration Date	Responsible Approved Agency And/Or Individual (Identify Special Inspector)	Compliance Verification by IOR (Initial/Date)	HCAI/FDD Use (Initial/Date)
No Requirements for this Section of the TIO							



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2022 California Building Standards Code - OSHPD 1

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Facility #:	Facility Name:	Project #:					
10619	University of California Davis Medical Center	S231818-34-00					
Stage 4: Davis Tower Floor 7		Select with "X" or provide required OPAA information:					
Index #	Stage 4 Required (Select with "X")	OFF-SITE SPECIAL INSPECTIONS	Samples of Test & Inspection Reports Included	OPAA No. and Expiration Date	Responsible Approved Agency And/Or Individual (Identify Special Inspector)	Compliance Verification by IOR (Initial/Date)	HCAI/FDD Use (Initial/Date)
No Requirements for this Section of the TIO							



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Testing, Inspection, and Observation Program

2022 California Building Standards Code - OSHPD 1

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Facility #:	Facility Name:	Project #:					
10619	University of California Davis Medical Center	S231818-34-00					
Stage 5: Davis Tower Floor 10		Select with "X" or provide required OPAA information:					
Index #	Stage 5 Required (Select with "X")	OFF-SITE SPECIAL INSPECTIONS	Samples of Test & Inspection Reports Included	OPAA No. and Expiration Date	Responsible Approved Agency And/Or Individual (Identify Special Inspector)	Compliance Verification by IOR (Initial/Date)	HCAI/FDD Use (Initial/Date)
No Requirements for this Section of the TIO							



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Testing, Inspection, and Observation Program
 2022 California Building Standards Code - OSHPD 1

SECTION E		REQUIRED COMPLIANCE FORMS			
Facility #:	Facility Name:	Project #:			
10619	University of California Davis Medical Center	S231818-34-00			
Form #	Required (Select with "X")	DOCUMENT NAME	Responsible Designer Or Installing Contractor	Compliance Verification by IOR (Initial/Date)	HCAI/FDD Use (Initial/Date)
No Requirements for this Section of the TIO					



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Testing, Inspection, and Observation Program

2022 California Building Standards Code - OSHPD 1

SECTION F		CONSTRUCTION VERIFICATION										
Facility #:	Facility Name:								Project #:			
10619	University of California Davis Medical Center								S231818-34-00			
VERIFIED CONSTRUCTION INSPECTION AND OBSERVATION REPORTING												
REFERENCE NUMBER	PROJECT STAGE(S), MILESTONE, OR INTERVAL <small>(Clearly indicate which Stage(s) apply to which Milestone/Interval)</small>	VERIFIED COMPLIANCE REPORT REQUIRED AS INDICATED <small>(Form HCAI-OSH-123) (See "PERSONAL KNOWLEDGE" as defined in California Administrative Code, Section 7-151)</small>										HCAI/FDD USE
		GEOR	AOR	SEOR	MEOR	EEOR	CONT	IOR	SP INSP	TEST LAB		
	Completion of Stage 1 - University Tower Floor 3		X	X			X	X	X	X	X	
	Completion of Stage 2 - Davis Tower Floor 3		X	X			X	X	X	X	X	
	Completion of Stage 3 - Davis Tower Floor 5		X	X			X	X	X	X	X	
	Completion of Stage 4 - Davis Tower Floor 7		X	X			X	X	X	X	X	
	Completion of Stage 5 - Davis Tower Floor 10		X	X			X	X	X	X	X	
	Clear all plan review Outstanding Items List (OIL) Items		X									
	Construction Final		X	X			X	X	X	X	X	
ABBREVIATIONS:		GEOR - Geotechnical Engineer of Record	AOR - Architect of Record	SEOR - Structural Engineer of Record	MEOR - Mechanical Engineer of Record	EEOR - Electrical Engineer of Record	CONT O/B - Contractor or Owner/Builder	SP. INSP - Special Inspector	IOR - Inspector of Record	Test Lab – Engr. For the approved agency		



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Testing, Inspection, and Observation Program

2022 California Building Standards Code - OSHPD 1

SECTION H	HCAI REVIEWED	
Facility #:	Facility Name:	Project #:
10619	University of California Davis Medical Center	S231818-34-00
NOTE: When a structural engineer has been delegated responsibility for a portion of this project his or her signature is also required.		
Submitted By:		
I have reviewed the approved construction documents for this project and all tests and special inspections required by Code are marked as "required" on this form.		
John Flath		1/5/2024
Architect/Engineer of Record (Print Name)	Architect/Engineer of Record (Signature)	Date
N/A		
Structural Engineer of Record (Print Name)	Structural Engineer of Record (Signature)	Date
FOR HCAI USE		
TIO Program Reviewed by HCAI Plan Review Staff:		
<div style="border: 2px solid #0070C0; padding: 10px; margin: 10px auto; width: 80%;"> <div style="text-align: center;"> <h2 style="color: red; margin: 0;">TIO REVIEWED</h2> <p style="margin: 0; font-size: small;">Department of Health Care Access & Information Office of Statewide Hospital Planning & Development</p> <p style="margin: 0; color: red;">1/16/2024, 1:34:35 PM</p> <p style="margin: 0; color: red;">S231818-34-00</p> <p style="margin: 0; color: red; font-weight: bold;">Donald Harris</p> </div> </div>		
<p>Note: HCAI plan review staff must provide verification that the TIO program has been "Reviewed" prior to plan approval to confirm the applicability of the tests and inspections identified in the TIO program for work scope, building systems, and the construction materials shown in the design drawings. Field staff will issue subsequent "TIO Program Approval".</p>		



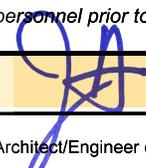
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Testing, Inspection, and Observation Program

2022 California Building Standards Code - OSHPD 1

SECTION I	TIO PROGRAM APPROVAL		
Facility #:	Facility Name:	Project #:	
10619	University of California Davis Medical Center	S231818-34-00	
<p>This program is prepared and submitted for an OSHPD 1 project. OSHPD 1 projects include all construction and remodel projects for: general acute care hospitals, acute psychiatric hospitals, and general acute care hospitals providing only acute medical rehabilitation center services (2022 CBC 1224.1).</p>			
<p>Samples of Test and Inspection Reports are <i>NOT</i> required for tests performed by laboratories approved through OPAA Program</p>			
<p><i>All test and special inspection reports shall be submitted to the IOR, hospital owner, architect in responsible charge, and the structural engineer by the testing agency per CAC 7-149(a).</i></p>			
<p><i>Verified compliance reports shall be signed by the individual who performed the special inspection(s) as outlined in CAC 7-151 (c). All reports shall clearly state whether the tests or special inspections were performed in accordance with the HCAI stamped approved documents and whether the results indicate compliance with those documents per CAC 7-149 (a). All IORs performing special inspections shall hold the appropriate certification and equipment, and shall obtain approval from the design professional of record and HCAI prior to performing such work.</i></p>			
<p><i>NOTE: This Test, Inspection, and Observation Report shall be approved by HCAI field personnel prior to start of construction.</i></p>			
John Flath	C21560		1/5/2024
Architect/Engineer of Record (Print Name)	Professional License #	Architect/Engineer of Record (Signature)	Date
FOR HCAI FIELD STAFF USE			
<p>TIO Program Approved by HCAI Field Staff:</p>			
<p>Note: HCAI plan review staff must provide verification that the TIO program has been "Reviewed" prior to plan approval to confirm the applicability of the tests and inspections identified in the TIO program for work scope, building systems, and the construction materials shown in the design drawings. HCAI Field staff will issue subsequent "TIO Program Approval".</p> <p>If "Approved with Comments" is checked the following comments shall be resolved by the designer prior to proceeding with the related construction:</p>			

