

April 23, 2019

KENNETH C. JANDA
DEAN, SCHOOL OF PHYSICAL SCIENCES

RE: April 2019 Prevalent 24/7 Air Monitoring Report for Rowland Hall

Dear Dean Janda,

The attached report from Omega Environmental, dated April 22, 2019, provides April 1 – 5, 2019 prevalent 24/7 air monitoring results for Rowland Hall, including during non-asbestos-related construction activities.

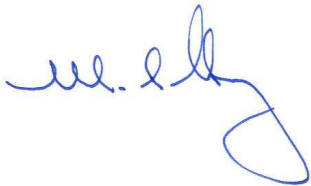
We have reviewed the report, including the air sample measurements. Based on our review, the air sample data has been determined to meet the Environmental Protection Agency (EPA) clearance criteria of 0.01 fibers per cubic centimeters of air (f/cc), which means the air quality in public spaces met or exceeded all applicable standards.

If you have any questions regarding the environmental health and safety of Rowland Hall, please don't hesitate to contact us via phone (949.824.6889) or email (magomez@uci.edu). After hours calls may be directed to 949.824.6200.

If you have any questions regarding the construction activities on the fifth floor of Rowland Hall, please contact Design and Construction Services Senior Project Manager Chris Schneider via email (jcshne1@uci.edu).

We look forward to a safe and successful completion of the Rowland Hall fire life safety improvement project. Please let us know if you have any questions.

Sincerely,



Marc A. Gomez
Assistant Vice-Chancellor
Environmental Health and Safety



Dick T. Sun
Associate Deputy Director
Environmental Health and Safety

Attachment



Asbestos Air Monitoring Summary Report
University of California, Irvine
Rowland Hall
Irvine, California 92618

Project Number 2019-3299UCI
April 22, 2019

Prepared For:

Susan Robb
University of California, Irvine
4600 Health Science Road
Irvine, California 92697

Prepared By:

Navid Salari
Omega Environmental Services
4570 Campus Drive, Suite 30
Newport Beach, California 92660

A handwritten signature in black ink, appearing to read "Navid Salari", with a horizontal line underneath.

Navid Salari

Sr. Project Manager, CAC #94-1597

A handwritten signature in blue ink, appearing to read "Steve Rosas", with a horizontal line underneath.

Steve Rosas

Senior Project Manager

Principal, CAC #92-0284



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ATTACHMENT A

PCM Air Sample Results, Laboratory Accreditation and Inspectors' Certifications



1. EXECUTIVE SUMMARY

The following is an air monitoring summary report for work performed at Rowland Hall, Building 400 located at the University of California, Irvine (UCI) in Irvine California. The scope of work consisted of around the clock air monitoring from Monday through Friday, including during general non-asbestos construction activities throughout the subject building.

Chris Canas, a California Certified Site Surveillance Technician (CSST #16-5978), and Jesse Sanchez, an (EPA-AHERA¹ Building inspector), with Omega Environmental Services, Inc. (Omega) performed the air monitoring from April 1 through April 5, 2019. Attachment A includes copies of the air sample results, daily notes and inspectors' certifications.

2. AIR SAMPLE RESULTS

Area air samples were collected at select locations in the building each work shift. The purpose of the area air monitoring was to measure the airborne fiber concentrations in the subject building. The analysis was performed using the Phase Contrast Microscopy (PCM) analytical methodology as described in National Institute for Occupational Safety and Health (NIOSH) 7400 A protocol. Omega's representatives are NIOSH-582² certified and analyzed the collected air samples at the site. Table 1 provides a summary of the air sample results:

Table 1 - Air Sample Results

Date	Sample #	Sample Locations / Work Activity	Result (f/cc)
04/01/19	1	Service floor hallway / FM construction in assigned area	0.002
04/01/19	2	1 st floor hallway / None	<0.002
04/01/19	3	2 nd floor hallway / None	<0.002
04/01/19	4	Service floor hallway / None	<0.002
04/01/19	5	1 st floor hallway / None	0.003
04/01/19	6	2 nd floor hallway / None	0.002
04/01/19	7	Service floor hallway / None	<0.002
04/01/19	8	1 st floor hallway / None	<0.002
04/01/19	9	2 nd floor hallway / None	<0.002
04/01/19	10	3 rd floor hallway / None	<0.002
04/01/19	11	4 th floor hallway / None	<0.002
04/01/19	12	5 th floor hallway / None	<0.002
04/02/19	1	Service floor hallway / FM construction in assigned area	<0.002
04/02/19	2	1 st floor hallway / None	<0.002
04/02/19	3	2 nd floor hallway / None	<0.002

¹ Asbestos Hazard Emergency Response Act

² NIOSH-582 or equivalent – Individual trained to analyze samples by Phase Contrast Microscopy



Date	Sample #	Sample Locations / Work Activity	Result (f/cc)
04/02/19	4	Service floor hallway / None	0.002
04/02/19	5	1 st floor hallway / None	<0.002
04/02/19	6	2 nd floor hallway / None	<0.002
04/02/19	7	Service floor, hallway / Retrofit lights	<0.002
04/02/19	8	1 st floor, hallway / None	<0.002
04/02/19	9	2 nd floor, hallway / Retrofit lights	<0.002
04/02/19	10	3 rd floor, hallway / None	<0.002
04/02/19	11	4 th floor, hallway / None	<0.002
04/02/19	12	5 th floor hallway / Retrofit lights	<0.002
04/03/19	1	Service floor hallway / FM construction in assigned area	<0.002
04/03/19	2	1 st floor hallway / None	<0.002
04/03/19	3	2 nd floor hallway / None	<0.002
04/03/19	4	Service floor hallway / None	<0.002
04/03/19	5	1 st floor hallway / None	0.003
04/03/19	6	2 nd floor hallway / None	<0.002
04/03/19	7	Service floor hallway / Retrofit lights	<0.002
04/03/19	8	1 st floor hallway / None	<0.002
04/03/19	9	2 nd floor hallway / Retrofit lights	<0.002
04/03/19	10	3 rd floor hallway / None	<0.002
04/03/19	11	4 th floor hallway / None	<0.002
04/03/19	12	5 th floor hallway / Retrofit lights	<0.002
04/04/19	1	Service floor hallway / FM construction in assigned area	<0.002
04/04/19	2	1 st floor hallway / None	<0.002
04/04/19	3	2 nd floor hallway / None	<0.002
04/04/19	4	Service floor hallway / None	<0.002
04/04/19	5	1 st floor hallway / None	<0.002
04/04/19	6	2 nd floor hallway / None	<0.002
04/04/19	7	Service floor hallway / Retrofit lights	<0.002
04/04/19	8	1 st floor hallway / None	<0.002
04/04/19	9	2 nd floor hallway / Retrofit lights, demo fire system	<0.002
04/04/19	10	3 rd floor hallway / None	<0.002
04/04/19	11	4 th floor hallway / Demo and install fire system	<0.002
04/04/19	12	5 th floor hallway / Retrofit lights	<0.002
04/05/19	1	Service floor hallway / FM construction in assigned area	<0.002
04/05/19	2	1 st floor hallway / None	<0.002
04/05/19	3	2 nd floor hallway / None	<0.002

f/cc – Fibers per cubic centimeter

Based on the results of the PCM analysis, all samples were found to contain fiber concentrations less than the EPA Clearance Criteria of 0.01 f/cc.



Attachment A

PCM/TEM Sample Data Sheet

Project Number: 2019-3299UCI
 Project Site Address: UC Irvine
 Sample Date: 4/1/19 – 4/2/19
 Analysis type: PCM (NIOSH 7400A)
 Analysis by: Christopher Cañas and Jessie Sanchez
 Date Analyzed: 4/1/19 – 4/2/19



Sample ID: 1	Start time: 0605	End time: 1405
Sample location: Service Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: FM Construction in assigned area	No of fibers: 6	No of fields: 100
	Airborne fiber concentration (fibers/cc): 0.002	
Other comments:		

Sample ID: 2	Start time: 0608	End time: 1408
Sample location: 1 st Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 4	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 3	Start time: 0610	End time: 1410
Sample location: 2 nd Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 3	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 4	Start time: 1400	End time: 2200
Sample location: Service Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 1.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 5	Start time: 1400	End time: 2200
Sample location: 1 st Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 7	No of fields: 100
	Airborne fiber concentration (fibers/cc): 0.003	
Other comments:		

Sample ID: 6	Start time: 1401	End time: 2201
Sample location: 2 nd Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 5.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): 0.002	
Other comments:		

Sample name (print) : Christopher Cañas and Jessie Sanchez

Signature :

PCM/TEM Sample Data Sheet

Project Number: 2019-3299UCI
 Project Site Address: UC Irvine
 Sample Date: 4/1/19 – 4/2/19
 Analysis type: PCM (NIOSH 7400A)
 Analysis by: Christopher Cañas and Jessie Sanchez
 Date Analyzed: 4/1/19 – 4/2/19



Sample ID: 7	Start time: 2200	End time: 0600
Sample location: Service Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 3	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 8	Start time: 2200	End time: 0600
Sample location: 1 st Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 2.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 9	Start time: 2201	End time: 0601
Sample location: 2 nd Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 2	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 10	Start time: 2201	End time: 0601
Sample location: 3 rd Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 2	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 11	Start time: 2203	End time: 0603
Sample location: 4 th Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 3	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 12	Start time: 2203	End time: 0603
Sample location: 5 th Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 3.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample name (print) : Christopher Cañas and Jessie Sanchez

Signature :

C. Cañas / JS

PCM/TEM Sample Data Sheet

Project Number: 2019-3299UCI
 Project Site Address: UC Irvine
 Sample Date: 4/2/19 – 4/3/19
 Analysis type: PCM (NIOSH 7400A)
 Analysis by: Christopher Cañas and Jessie Sanchez
 Date Analyzed: 4/2/19 – 4/3/19



Sample ID: 1	Start time: 0605	End time: 1405
Sample location: Service Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: FM Construction in assigned area	No of fibers: 5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 2	Start time: 0608	End time: 1408
Sample location: 1 st Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 4.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 3	Start time: 0610	End time: 1410
Sample location: 2 nd Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 2	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 4	Start time: 1400	End time: 2200
Sample location: Service Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 5.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): 0.002	
Other comments:		

Sample ID: 5	Start time: 1400	End time: 2200
Sample location: 1 st Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 2.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 6	Start time: 1401	End time: 2201
Sample location: 2 nd Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 2	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample name (print) : Christopher Cañas and Jessie Sanchez

Signature : *C. Cañas / JS*

PCM/TEM Sample Data Sheet

Project Number: 2019-3299UCI
 Project Site Address: UC Irvine
 Sample Date: 4/2/19 – 4/3/19
 Analysis type: PCM (NIOSH 7400A)
 Analysis by: Christopher Cañas and Jessie Sanchez
 Date Analyzed: 4/2/19 – 4/3/19



Sample ID: 7	Start time: 2200	End time: 0600
Sample location: Service Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: Retrofit lights	No of fibers: 5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 8	Start time: 2200	End time: 0600
Sample location: 1 st Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 4	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 9	Start time: 2201	End time: 0601
Sample location: 2 nd Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: Retrofit lights	No of fibers: 4	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 10	Start time: 2201	End time: 0601
Sample location: 3 rd Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 4	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 11	Start time: 2203	End time: 0603
Sample location: 4 th Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 2.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 12	Start time: 2203	End time: 0603
Sample location: 5 th Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: Retrofit lights	No of fibers: 4.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample name (print) : Christopher Cañas and Jessie Sanchez

Signature

: *C. Cañas / JS*

PCM/TEM Sample Data Sheet

Project Number: 2019-3299UCI
 Project Site Address: UC Irvine
 Sample Date: 4/2/19 – 4/3/19
 Analysis type: PCM (NIOSH 7400A)
 Analysis by: Christopher Cañas and Jessie Sanchez
 Date Analyzed: 4/2/19 – 4/3/19



Sample ID: 13	Start time: *	End time: *
Sample location: FIELD BLANK	Flow rate (LPM): *	
	Total time: *	Total volume: *
Work activity:	No of fibers: 0	No of fields: 100
	Airborne fiber concentration (fibers/cc): 0	
Other comments:		

Sample ID: 14	Start time: *	End time: *
Sample location: SEALED BLANK	Flow rate (LPM): *	
	Total time: *	Total volume: *
Work activity:	No of fibers: 0	No of fields: 0
	Airborne fiber concentration (fibers/cc): 0	
Other comments:		

Sample name (print) : Christopher Cañas and Jessie Sanchez

Signature : *C. Cañas / JS*

PCM/TEM Sample Data Sheet

Project Number: 2019-3299UCI
 Project Site Address: UC Irvine
 Sample Date: 4/3/19 – 4/4/19
 Analysis type: PCM (NIOSH 7400A)
 Analysis by: Christopher Cañas and Jessie Sanchez
 Date Analyzed: 4/3/19 – 4/4/19



Sample ID: 1	Start time: 0605	End time: 1405
Sample location: Service Floor Hallway	Flow rate (LPM): 2	
	Total time: 480	Total volume: 1,200
Work activity: FM Construction in assigned area	No of fibers: 5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 2	Start time: 0608	End time: 1408
Sample location: 1 st Floor Hallway	Flow rate (LPM): 4	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 4.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 3	Start time: 0610	End time: 1410
Sample location: 2 nd Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 3	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 4	Start time: 1400	End time: 2200
Sample location: Service Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 3	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 5	Start time: 1400	End time: 2200
Sample location: 1 st Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 6.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): 0.003	
Other comments:		

Sample ID: 6	Start time: 1401	End time: 2201
Sample location: 2 nd Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 4.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample name (print) : Christopher Cañas and Jessie Sanchez

Signature :

C. Cañas JS

PCM/TEM Sample Data Sheet

Project Number: 2019-3299UCI
 Project Site Address: UC Irvine
 Sample Date: 4/3/19 – 4/4/19
 Analysis type: PCM (NIOSH 7400A)
 Analysis by: Christopher Cañas and Jessie Sanchez
 Date Analyzed: 4/3/19 – 4/4/19



Sample ID: 7	Start time: 2200	End time: 0600
Sample location: Service Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: Retrofit lights	No of fibers: 4	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 8	Start time: 2200	End time: 0600
Sample location: 1 st Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 3	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 9	Start time: 2201	End time: 0601
Sample location: 2 nd Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: Retrofit lights	No of fibers: 3.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 10	Start time: 2201	End time: 0601
Sample location: 3 rd Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 4	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 11	Start time: 2202	End time: 0602
Sample location: 4 th Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 4	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 12	Start time: 2202	End time: 0602
Sample location: 5 th Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: Retrofit lights	No of fibers: 2.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample name (print) : Christopher Cañas and Jessie Sanchez

Signature :

C. Cañas / JS

Page 2 of 3

PCM/TEM Sample Data Sheet

Project Number: 2019-3299UCI
 Project Site Address: UC Irvine
 Sample Date: 4/3/19 – 4/4/19
 Analysis type: PCM (NIOSH 7400A)
 Analysis by: Christopher Cañas and Jessie Sanchez
 Date Analyzed: 4/3/19 – 4/4/19



Sample ID: 13	Start time: *	End time: *
Sample location: FIELD BLANK	Flow rate (LPM): *	
	Total time: *	Total volume: *
Work activity:	No of fibers: 0	No of fields: 100
	Airborne fiber concentration (fibers/cc): 0	
Other comments:		

Sample ID: 14	Start time: *	End time: *
Sample location: SEALED BLANK	Flow rate (LPM): *	
	Total time: *	Total volume: *
Work activity:	No of fibers: 0	No of fields: 0
	Airborne fiber concentration (fibers/cc): 0	
Other comments:		

Sample name (print) : Christopher Cañas and Jessie Sanchez

Signature : *C. Cañas / JS*

PCM/TEM Sample Data Sheet

Project Number: 2019-3299UCI
 Project Site Address: UC Irvine
 Sample Date: 4/4/19 – 4/5/19
 Analysis type: PCM (NIOSH 7400A)
 Analysis by: Christopher Cañas and Jessie Sanchez
 Date Analyzed: 4/4/19 – 4/5/19



Sample ID: 1	Start time: 0605	End time: 1405
Sample location: Service Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: FM Construction in assigned area	No of fibers: 3.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 2	Start time: 0608	End time: 1408
Sample location: 1 st Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 3	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 3	Start time: 0610	End time: 1410
Sample location: 2 nd Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 4	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 4	Start time: 1400	End time: 2200
Sample location: Service Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 1.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 5	Start time: 1400	End time: 2200
Sample location: 1 st Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 3	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 6	Start time: 1401	End time: 2201
Sample location: 2 nd Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 1	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample name (print) : Christopher Cañas and Jessie Sanchez

Signature : *C. Cañas / JS*

PCM/TEM Sample Data Sheet

Project Number: 2019-3299UCI
 Project Site Address: UC Irvine
 Sample Date: 4/4/19 – 4/5/19
 Analysis type: PCM (NIOSH 7400A)
 Analysis by: Christopher Cañas and Jessie Sanchez
 Date Analyzed: 4/4/19 – 4/5/19



Sample ID: 7	Start time: 2200	End time: 0600
Sample location: Service Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: Retrofit lights	No of fibers: 5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 8	Start time: 2200	End time: 0600
Sample location: 1 st Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 4	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 9	Start time: 2201	End time: 0601
Sample location: 2 nd Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: Retrofit lights, demo fire systems	No of fibers: 3.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 10	Start time: 2201	End time: 0601
Sample location: 3 rd Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 4	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 11	Start time: 2202	End time: 0602
Sample location: 4 th Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: demo and install of fire system	No of fibers: 2	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 12	Start time: 2202	End time: 0602
Sample location: 5 th Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: Retrofit lights	No of fibers: 2	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample name (print) : Christopher Cañas and Jessie Sanchez

Signature :

C Cañas / JS

Page 2 of 3

PCM/TEM Sample Data Sheet

Project Number: 2019-3299UCI
 Project Site Address: UC Irvine
 Sample Date: 4/4/19 – 4/5/19
 Analysis type: PCM (NIOSH 7400A)
 Analysis by: Christopher Cañas and Jessie Sanchez
 Date Analyzed: 4/4/19 – 4/5/19



Sample ID: 13	Start time: *	End time: *
Sample location: FIELD BLANK	Flow rate (LPM): *	
	Total time: *	Total volume: *
Work activity:	No of fibers: 0	No of fields: 100
	Airborne fiber concentration (fibers/cc): 0	
Other comments:		

Sample ID: 14	Start time: *	End time: *
Sample location: SEALED BLANK	Flow rate (LPM): *	
	Total time: *	Total volume: *
Work activity:	No of fibers: 0	No of fields: 0
	Airborne fiber concentration (fibers/cc): 0	
Other comments:		

Sample name (print) : Christopher Cañas and Jessie Sanchez

Signature : *C. Cañas / JS*

PCM/TEM Sample Data Sheet

Project Number: 2019-3299UCI
 Project Site Address: UC Irvine
 Sample Date: 4/5/19
 Analysis type: PCM (NIOSH 7400A)
 Analysis by: Christopher Cañas and Jessie Sanchez
 Date Analyzed: 4/5/19



Sample ID: 1	Start time: 0605	End time: 1405
Sample location: Service Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: FM Construction in assigned area	No of fibers: 2	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 2	Start time: 0608	End time: 1408
Sample location: 1 st Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 2.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 3	Start time: 0610	End time: 1410
Sample location: 2 nd Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 3	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 4	Start time: *	End time: *
Sample location: FIELD BLANK	Flow rate (LPM): *	
	Total time: *	Total volume: *
Work activity:	No of fibers: 0	No of fields: 100
	Airborne fiber concentration (fibers/cc): 0	
Other comments:		

Sample ID: 5	Start time: *	End time: *
Sample location: SEALED BLANK	Flow rate (LPM): *	
	Total time: *	Total volume: *
Work activity:	No of fibers: 0	No of fields: 0
	Airborne fiber concentration (fibers/cc): 0	
Other comments:		

Sample name (print) : Christopher Cañas and Jessie Sanchez

Signature :

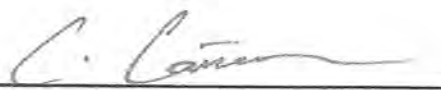
Field Notes

PAGE 1 of 1



PROJECT NAME	UCI Rowland Hall	SITE CONTACT	Susan Robb
PROJECT NUMBER	2019-3299UCI	CLIENT NUMBER	(949) 233-8889
DATE	4/1/19	IH NAME	Christopher Cañas

<p>0530: Omega Representative Christopher Cañas on site. FM Construction is continuing work on the service level and will be installing HVAC ductwork in B66, B70, B85, and B93. Jesse has now been relieved; pumps are running as intended with new cassettes. There are no samples to be analyzed at this time.</p>
<p>0800: Daily walkthrough with Chris Schneider (PM), Javier Vasquez (BNB), Susan Robb (EH&S), and Christopher Cañas (Omega IH). The SOP was discussed and agreed by all parties for the day. No asbestos work is expected to be performed during the first and second shift – air samples will also run continuously for 24 hours this week.</p>
<p>0920: Checked on Pumps; they are operating as intended. Checked on work; FM construction is in designated areas.</p>
<p>1110: Met Susan Robb of EH&S with the purpose to review work that has been performed thus far.</p>
<p>1330: Checked on Pumps; they are operating as intended. Checked on work; no construction work is being done.</p>
<p>1540: New PCM cassettes have been placed on a set of new pumps. They will run continuously into Jesse's shift and are expected to be picked up around 2200. PCM cassettes were read on site via NIOSH 7400 Method and determined to be below PEL. Sample results were first sent via text to Susan Robb, Jeremy Gress, Rito Rincon, and Navid Salari. They confirmed the readings and afterwards posted results in the 1st floor lobby near the elevators.</p>
<p>1600: Checked on Pumps; they are operating as intended. Checked on work; no construction work is being done.</p>
<p>1800: Jesse Sanchez of Omega is now on site and will review the days scope of work with Christopher Cañas before he is relieved.</p>
<p>1835: Omega Representative Christopher Cañas reviewed project details with Jesse Sanchez and is now leaving site. Will return tomorrow at 0600.</p>

Omega IH Signature: 



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 Newport Beach, California 92660
 Phone: (949) 252-2145, Fax: (949) 252-2148

Daily Field Log

Project Number: 2019-3299UCI	Date: 04/01/2019
Project Name: 24/7	Omega Representative: Chris Canas & Jesse Sanchez
Project Address: Rowland Hall UCI Irvine, CA	
Client Contact:	
Client Phone #:	

TIME AND ACTIVITY

1800	At this time Omega Rep. Jesse Sanchez arrive on site to begin todays work shift. Chris Canas shift has ended for Today. Low flow air pump has been set up at 1400 during the 1 st shift. Air samples will run for 8 hours 2.5 LPM. Scope of work: Cosco + BNB will be working on the 2 nd floor removing tiles to install new system + electricians Will be working on the 5 th floor working directly under the light ballets without removing any ceiling tiles.
1900	At this time no construction work is occurring, but throughout the hallways there are students walking in and out of classrooms. No work around the samples.
2000	At this time no issues to report, students continue to move around the hallways on each floor. No construction Work occurring at this time.
2100	Student continue to roam around the hallways near the air samples, no issues to report. There is no work around The samples or concerns with the samples during students walking throughout the hallways.
2200	At this time Cosco + BNB arrive on site to begin their work shift. Omega confirms with supervisors they will be Working on the service level, 2 nd floor, and the 5 th floor. BNB will be removing ceiling tiles starting on the 2 nd Floor to expose the concrete ceiling. Cosco will come in and demo old fire system and install new system. Electricians will be on the 5 th floor working directly under the light ballets on replacing the lights without Removing any ceiling tiles or working above ceiling. Omega set up next set of samples.
2300	At this time no issues to report, work continues to move forward, less movement throughout the hallways. Cosco + BNB continue to drill into the concrete ceiling on the 2 nd floor to install new fire system.
2430	At this time movement throughout the hallways is still low, no issues to report, cosco started working close to the Samples, so Omega move air samples to different locations.
0130	At this time activities have not changed, Cosco + BNB continue to work on the 2 nd floor + Cosco have some Workers on the service level moving equipment around to the 2 nd floor.

Omega Site Representative Signature: Chris Canas and jesse sanchez	Date: 04/01/2019
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TIME AND ACTIVITY

0230 At this time not that much movement throughout the hallways there are no students throughout the hallways. work has not changed; electricians have not touched any ceiling tiles.

0330 Omega does not observe any issues at this time. Work has not changed.

0430 No issues to be reported at this time, scope of work has not changed. Work still continue on the same floors within The clear areas where there is no ACM present.

0530 Cosco + BNB continue to work installing new fire system + drilling into the clean concrete. No movement Throughout the hallways except on the 5th floor, which consisted of electricians working directly under the light Ballets.

0600 At this time Omega Rep. Jesse's shift has ended for today. Chris Canas has arrived on site, pumps have been Rotated with a new batch of samples.

Omega Site Representative Signature: Chris Canas & Jesse Sanchez

Date: 04/01/2019



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Daily Field Log

Project Number: 2019-3299UCI	Date: 04/02/2019
Project Name: 24/7	Omega Representative: Chris Canas & Jesse Sanchez
Project Address: Rowland Hall UCI Irvine, CA	
Client Contact:	
Client Phone #:	

TIME AND ACTIVITY

1800	Omega Rep. Jesse Sanchez arrives on site to begin 1800 shift. Chris Canas gives a brief breakdown of the activities that occurred throughout the day. At this time samples have been changed at 1400 and will be demobilized at 2200.
1900	At this time there are students throughout the hallways. Air samples are not affected by any activities.
2000	Omega walk each floor to check on air samples.
2100	Omega complete walk through, hallways area clear from any work activities and students are still walking throughout the hallways.
2200	At this time BNB, Cosco + MEC arrive on site. Scope of work: BNB will be assisting Cosco with demo on the Service level + BNB will be working on the 5 th floor stairwell demoing ceiling plaster. Cosco will be working on the 2 nd floor demoing old system. MEC will be working on TSI glove bag abatement in room B38. At this time Omega demobilize set of samples and set up new batch.
2230	At this time Omega begin to read the air samples from 2 nd shift using NIOSH 7400 method.
2325	Omega complete reading the air samples and prepare paperwork to send off to Omega Navid Salari + UCI Reps.
2430	At this time BNB 2 man crew move to the 5 th floor to start work on the ceiling plaster at the stairwell.
0130	Work continues to move forward no issues to report at this time.
0230	No activities throughout the hallways, samples are away from any work from Cosco + BNB.
0330	Low flow pumps are still running at 2.5 LPM. No issues to report at this time, Cosco + BNB continue to work within cleared areas away from the air samples.
0400	Omega walks the building floors.
0530	Omega returns, Cosco + BNB continue to work in assigned areas, low flow air samples continue to pull at 2.5 LPM.
0600	At this time Omega Rep. Jesse Sanchez shift has ended, Chris Canas on site samples have been rotated.

Omega Site Representative Signature: Chris Canas & Jesse Sanchez	Date: 04/02/2019
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Field Notes

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PROJECT NAME	UCI Rowland Hall	SITE CONTACT	Susan Robb
PROJECT NUMBER	2019-3299UCI	CLIENT NUMBER	(949) 233-8889
DATE	4/2/19	IH NAME	Christopher Cañas

<p>0530: Omega Representative Christopher Cañas on site. FM Construction is continuing work on the service level and will be installing HVAC ductwork in B66, B70, B85, and B93. Jesse has now been relieved, pumps are running as intended with new cassettes. The previous shift samples were analyzed by 7am and below PEL. Results have been posted by Omega on the first floor by the elevators.</p>
<p>0630: EH&S requested Omega to run air samples in the men and women's restroom located on the 5th floor. Samples were set at 0600 and will run for approximately 2 hours. Afterwards, another set will be placed for 4 hours during peak activity of the restrooms. Finally, once all samples have finished, they will be analyzed on site and reported to EH&S.</p>
<p>0800: Daily walkthrough with Chris Schneider (PM), Javier Vasquez (BNB), Susan Robb (EH&S), and Christopher Cañas (Omega IH). The SOP was discussed and agreed by all parties for the day. No asbestos work is expected to be performed during the first and second shift – air samples will also run continuously for 24 hours this week.</p>
<p>0920: Checked on Pumps; they are operating as intended. Checked on work; FM construction is in designated areas.</p>
<p>1110: Met Susan Robb of EH&S to discuss all work for the day including the samples that were set in the 5th floor restrooms. The final set of samples in the 5th floor restrooms were analyzed at 1430 and below PEL.</p>
<p>1250: Checked on Pumps; they are operating as intended. Checked on work; no construction work is being done.</p>
<p>1500: New PCM cassettes have been placed on a set of new pumps. They will run continuously into Jesse's shift and are expected to be picked up around 2200. PCM cassettes were read on site via NIOSH 7400 Method and determined to be below PEL. Sample results were first sent via text to Susan Robb, Jeremy Gress, Rito Rincon, and Navid Salari. They confirmed the readings and afterwards posted results in the 1st floor lobby near the elevators.</p>
<p>1700: Checked on Pumps; they are operating as intended. Checked on work; no construction work is being done.</p>
<p>1800: Jesse Sanchez of Omega is now on site and will review the days scope of work with Christopher Cañas before he is relieved.</p>
<p>1835: Omega Representative Christopher Cañas reviewed project details with Jesse Sanchez and is now leaving site. Will return tomorrow at 0600.</p>

Omega IH Signature: 



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Daily Field Log

Project Number: 2019-3299UCI	Date: 04/03/2019
Project Name: 24/7	Omega Representative: Chris Canas & Jesse Sanchez
Project Address: Rowland Hall UCI Irvine, CA	
Client Contact:	
Client Phone #:	

TIME AND ACTIVITY

- 1800** Omega Rep. Jesse Sanchez arrive on site for 6pm – 6 am shift. Omega Rep. Chris Canas is still on site to discuss Activities during his shift. At this time samples have been placed on the service, 1st, and 2nd floor. Samples will be Demobilized at 2200 + a new batch of samples will be set up. Chris Canas off site.
- 1900** At this time after walking each floor, there is no work around the samples. Throughout the hallways there are Students walking in and out of classrooms.
- 2030** Low flow air pumps continue to pull at 2.5 LPM. No issues to report at this time.
- 2200** At this time BNB + Cosco arrive on site to begin their work shift today. BNB will assist Cosco demo old fire System on the service floor + old pipes in room B38. Cosco will continue to install new fire system on the 2nd floor. Another contractor will also retrofit new lights on the 5th floor. Air samples have been rotated out and set up Throughout each floor to cover every work activity above and below.
- 2300** At this time work continues to move forward, Cosco continue to install new system on the 2nd floor + retrofit Is still underway on the 5th floor. No issue to report at this time.
- 2400** Omega walks the building.
- 0130** Omega returns, no work activities around the samples. There's no work throughout the hallways, also there are No more students going in and out of the classrooms.
- 0230** At this time Cosco continue to demo + install fire system on the 2nd floor.
- 0330** Omega requested Cosco to close ceiling tiles on the 2nd floor, Cosco had two ceiling tiles half open. Cosco were Drilling into drywall to complete installing pipes for the new fire system. Cosco closed the ceiling in the hallway In front of room 275. Cosco open the ceiling one more time to complete the pipe installment, Omega requested Poly on the floor + proper clean-up if any dust was found on the floor. No tiles were removed only lifted to Complete the work. Air samples was moved to a different area
- 0430** At this time work continues to move forward, no issues to report. Cosco continue to install new system.
- 0600** Omega begin to demobilize air samples + set a new batch on the service, 1st, and 2nd floor. Chris Canas is

Omega Site Representative Signature: Jesse Sanchez & Chris Canas	Date: 04/03/2019
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Field Notes

PAGE 1 of 1



PROJECT NAME	UCI Rowland Hall	SITE CONTACT	Susan Robb
PROJECT NUMBER	2019-3299UCI	CLIENT NUMBER	(949) 233-8889
DATE	4/3/19	IH NAME	Christopher Cañas

<p>0530: Omega Representative Christopher Cañas on site. FM Construction is continuing work on the service level and will be installing HVAC ductwork in B66, B70, B85, and B93. Jesse has now been relieved, pumps are running as intended with new cassettes. The previous shift samples were analyzed by 7am and below PEL. Results have been posted by Omega on the first floor by the elevators.</p>
<p>0735: Abatement was performed in room B38 on 4/2 (3rd shift), but work was stopped due to the contractor finding fireproofing that wasn't included in their scope of work. EH&S Susan R. requested Omega to take samples accordingly. Work has yet again been stopped in this room; BNB will stop work until proper authorization/ clearance is given.</p>
<p>0800: Daily walkthrough with Chris Schneider (PM), Javier Vasquez (BNB), Susan Robb (EH&S), and Christopher Cañas (Omega IH). The SOP was discussed and agreed by all parties for the day. No asbestos work is expected to be performed during the first and second shift – air samples will also run continuously for 24 hours this week.</p>
<p>0920: Checked on Pumps; they are operating as intended. Checked on work; FM construction is in designated areas.</p>
<p>1110: Met Susan Robb of EH&S and she was able to provide results for the fireproofing. Results indicated that the fireproofing in room b38 was None Detect. BNB may now continue work in their designated area tonight.</p>
<p>1250: Checked on Pumps; they are operating as intended. Checked on work; no construction work is being done.</p>
<p>1500: New PCM cassettes have been placed on a set of new pumps. They will run continuously into Jesse's shift and are expected to be picked up around 2200. PCM cassettes were read on site via NIOSH 7400 Method and determined to be below PEL. Sample results were first sent via text to Susan Robb, Jeremy Gress, Rito Rincon, and Navid Salari. They confirmed the readings and afterwards posted results in the 1st floor lobby near the elevators.</p>
<p>1700: Checked on Pumps; they are operating as intended. Checked on work; no construction work is being done.</p>
<p>1800: Jesse Sanchez of Omega is now on site and will review the days scope of work with Christopher Cañas before he is relieved.</p>
<p>1835: Omega Representative Christopher Cañas reviewed project details with Jesse Sanchez and is now leaving site. Will return tomorrow at 0600.</p>

Omega IH Signature: 



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Daily Field Log

Page #

Project Number: 2019-3299UCI	Date: 04/04/2019
Project Name: 24/7	Omega Representative: Jesse Sanchez & Chris Canas
Project Address: Rowland Hall UCI Irvine, CA	
Client Contact:	
Client Phone #:	

TIME AND ACTIVITY

- 1800** Omega Rep. Jesse arrives on-site to begin shift 1800 – 0600. Omega Rep. Chris Canas briefs Jesse on the activities That occurred during his shift. Low flow samples are running at 2.5 LPM, samples are on the service floor – 2nd Floor. Samples started a 1400 and will be demobilized at 2200.
- 1805** Omega Rep. Chris Canas off site at this time. Omega walks throughout the building visually checking the air Samples + any activities occurring at the time.
- 1930** Omega complete visual on each floor. There is no work on any of the floors, students are walking in and out of Classrooms throughout the hallways. No concerns regarding air samples.
- 2100** At this time there is still no work going on, students continue to walk throughout the hallways. Low flow air Pumps continue pull at 2.5 LPM.
- 2200** At this time Cosco arrives on-site to start their work shift. Scope of work: Demo of old fire system on the service Floor, installing + repair of fire system on the 2nd floor, retrofit new lights on the 4th floor.
- 2230** Omega walk each floor.
- 2350** Omega returns from visual, no work on the 1st, 3rd, or 5th floor. Service floor work is being done within clear areas Some work occurring in the hallway on the 2nd floor consisting of pipes no contact with the ceiling or near air Samples. On the 4th floor retrofit activities is occurring throughout the hallways, but no work above ceilings only Directly under light ballets.
- 0100** No issues to report at this time, no changes to any activities occurring on each floor.
- 0200** Work continues to move forward, no issues to report at this time, PPC will be arriving soon to start their work Shift.
- 0300** PPC arrives on site to start their work shift, scope of work: PPC will work on duct work on the service level.
- 0400** At this time there is no issues to report, work continues to more forward.
- 0500** No change in work, no work throughout the hallways.

Omega Site Representative Signature: Jesse Sanchez & Chris Canas	Date: 04/04/2019
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Field Notes

PAGE 1 of 1

PROJECT NAME	UCI Rowland Hall	SITE CONTACT	Susan Robb
PROJECT NUMBER	2019-3299UCI	CLIENT NUMBER	(949) 233-8889
DATE	4/5/19	IH NAME	Christopher Cañas

<p>0530: Omega Representative Christopher Cañas on site. FM Construction is continuing work on the service level and will be installing HVAC ductwork in B66, B70, B85, and B93. Jesse has now been relieved, pumps are running as intended with new cassettes. The previous shift samples were analyzed by 7am and below PEL. Results have been posted by Omega on the first floor by the elevators.</p>
<p>0800: Daily walkthrough with Chris Schneider (PM), Javier Vasquez (BNB), Susan Robb (EH&S), and Christopher Cañas (Omega IH). The SOP was discussed and agreed by all parties for the day. No asbestos work is expected to be performed during the first and second shift – air samples will also run continuously for 24 hours this week.</p>
<p>0920: Checked on Pumps; they are operating as intended. Checked on work; FM construction is in designated areas.</p>
<p>1000: Lunch</p>
<p>1250: Checked on Pumps; they are operating as intended. Checked on work; no construction work is being done.</p>
<p>1440: Sample results are below PEL and were sent via text to Susan Robb, Jeremy Gress, Rito Rincon, and Navid Salari to review. They confirmed the readings and afterwards posted results in the 1st floor lobby near the elevators.</p>
<p>1505: Omega Representative Christopher Cañas is now leaving site. Will return Monday at 0600.</p>

Omega IH Signature: 

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

Christopher E Canas

Name

Certification No. 16-5978

Expires on 08/16/19



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.

Asbestos Training Program

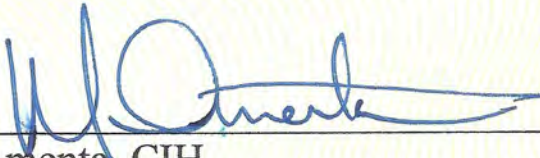
This is to certify

Christopher Canas

Has successfully completed 40 hours
of formal training entitled

**NIOSH 582
Equivalency**

Presented By
Environmental Compliance Training
PO BOX 16555
San Diego, CA. 92176
(858) 558-7465

Director: 
Walter T. Amenta, CIH

Class Dates: 12/11/2017 to 12/15/2017
Expiration Date: N/A
Certification Number: 1217N582E-02



Certificate of Attendance

CERTIFICATE NUMBER

89016

This is to Certify that

JESSE SANCHEZ

Has Completed the Course of

AHERA ASBESTOS ABATEMENT CONTRACTOR/SUPERVISOR 8 HR. REFRESHER COURSE CA-014-04

UNDER TSCA 206, FOR PURPOSES OF COMPLIANCE WITH 29 CFR 1926.1101 AND
TITLE 8 CCR 1529 AND TITLE 8 CCR 5208.

ARMANDO DUCOING

DIRECTOR

August 31, 2018

COMPLETION DATE

E083118CSR

CLASS NUMBER / STARTING DATE

083118

August 31, 2019

CERTIFICATE EXPIRES

Ecologics Training Institute



Certificate of Attendance

CERTIFICATE NUMBER

79041

This is to Certify that

JESSE SANCHEZ

Has Completed the Course of

AHERA ASBESTOS ABATEMENT BUILDING INSPECTOR 4 HR. REFRESHER COURSE CA-014-06

UNDER TSCA 206, FOR PURPOSES OF COMPLIANCE WITH 29 CFR 1926.1101 AND
TITLE 8 CCR 1529 AND TITLE 8 CCR 5208.

ARMANDO DUCOING

DIRECTOR

August 17, 2018

COMPLETION DATE

E081718BIR

081718

CLASS NUMBER / STARTING DATE

August 17, 2019

CERTIFICATE EXPIRES

Ecologics Training Institute



Certificate of Attendance

32297

CERTIFICATE NUMBER

This is to Certify that

JESSE SANCHEZ

Has Completed the Course of

AIR SAMPLING & ANALYSIS OF AIRBORNE ASBESTOS (NIOSH-582 EQUIVALENT)

UNDER TSCA 206, FOR PURPOSES OF COMPLIANCE WITH 29 CFR 1926.1101 AND
TITLE 8 CFR 1529 AND TITLE 8 CFR 5208.

A handwritten signature in black ink, appearing to read "Armando Duccoing", is written over a horizontal line.

ARMANDO DUCCOING
DIRECTOR

September 21, 2018
COMPLETION DATE

E091718NIOSH **091718**
CLASS NUMBER / STARTING DATE

CERTIFICATE EXPIRES

Ecologics Training Institute