

June 27, 2019

KENNETH C. JANDA
DEAN, SCHOOL OF PHYSICAL SCIENCES

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

Dear Dean Janda,

The attached report from Omega Environmental, dated June 24, 2019, provides prevalent 24/7 air monitoring results for Rowland Hall, including during non-asbestos-related construction activities, for the period of June 3 through 7, 2019.

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 in 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



Alvin Samala
Industrial Hygiene Manager
Environmental Health and Safety

Attachment



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

Project Number 2019-3299UCI
June 24, 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", written over a horizontal line.

Navid Salari

Sr. Project Manager, CAC #94-1597

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

Steve Rosas

Principal, CAC #92-0284



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ATTACHMENT A

PCM Air Sample Results, Daily Notes 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.

Christopher Canas, a California Certified Site Surveillance Technician (CSST #16-5978), and Josh Baker, an EPA-AHERA¹ Building inspector and Contractor Supervisor, with Omega Environmental Services, Inc. (Omega) performed the air monitoring from June 3 through June 7, 2019. The monitoring was performed at the direction of UCI Environmental Health and Safety and managed by Navid Salari, a California Certified Asbestos Consultant (CAC# 94-1557) with Omega. 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. Analyses were 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)
06/03/19	1	3 rd floor hallway / None	<0.002
06/03/19	2	4 th floor hallway / FM construction on electric raceways	<0.002
06/03/19	3	5 th floor hallway / None	<0.002
06/03/19	4	Service floor hallway / None	<0.002
06/03/19	5	1 st floor hallway / None	<0.002
06/03/19	6	2 nd floor hallway / None	<0.002
06/03-04/19	7	3 rd floor hallway / None	<0.002
06/03-04/19	8	4 th floor hallway / corridor ceiling tile and fire sprinkler install and containment preparation	0.003
06/03-04/19	9	5 th floor hallway / None	<0.002
06/04/19	1	3 rd floor hallway / None	<0.002
06/04/19	2	4 th floor hallway / Plumbing accessing sprinkler	<0.002
06/04/19	3	5 th 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)
06/04/19	4	Service floor hallway / T-bar installation	<0.002
06/04/19	5	1 st floor hallway / None	<0.002
06/04/19	6	1 st floor hallway / None	<0.002
06/04/19	7	2 nd floor hallway / None	<0.002
06/04/19	8	3 rd floor hallway / None	<0.002
06/04-05/19	9	3 rd floor hallway / None	<0.002
06/04-05/19	10	4 th floor hallway / Sprinkler install, ceiling tile replacement and spot abatement	<0.002
06/04-05/19	11	5 th floor hallway / None	<0.002
06/05/19	1	Service floor hallway / T-bar installation	<0.002
06/05/19	2	1 st floor hallway / None	<0.002
06/05/19	3	2 nd floor hallway / None	<0.002
06/05/19	4	1 st floor, hallway / None	<0.002
06/05/19	5	2 nd floor, hallway / None	<0.002
06/05/19	6	3 rd floor hallway / None	<0.002
06/05-06/19	7	3 rd floor hallway / None	<0.002
06/05-06/19	8	4 th floor hallway / install pipes for new fire system	<0.002
06/05-06/19	9	5 th floor hallway / None	<0.002
06/06/19	1	Service floor hallway / T-bar installation	<0.002
06/06/19	2	1 st floor hallway / None	<0.002
06/06/19	3	2 nd floor hallway / None	<0.002
06/06/19	4	1 st floor hallway / None	<0.002
06/06/19	5	2 nd floor hallway / None	<0.002
06/06/19	6	3 rd floor hallway / None	<0.002
06/06-07/19	7	3 rd floor hallway / None	<0.002
06/06-07/19	8	4 th floor hallway / Install pipes	<0.002
06/06-07/19	9	5 th floor hallway / None	<0.002
06/07/19	1	Service floor hallway / None	<0.002
06/07/19	2	1 st floor hallway / None	<0.002
06/07/19	3	2 nd floor hallway / None	<0.002


f/cc – Fibers per cubic centimeter

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



Attachment A

Prevalent 24/7 Air Monitoring Data (PCM)

Project Number:	2019-3299UCI	
Project Site Address:	UC Irvine	
Sample Date:	6/3/19	
Analysis type:	PCM (NIOSH 7400A)	
Analysis by:	Christopher Cañas and Jesse Sanchez	
Date Analyzed:	6/3/19	

Sample ID: 1	Start time: 0605	End time: 1405
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: 2	Start time: 0608	End time: 1408
Sample location: 4 th Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: FM construction on electric raceways	No of fibers: 3.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 3	Start time: 0610	End time: 1410
Sample location: 5 th 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: 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	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: 4	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: 3.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample name (print)	: Christopher Cañas and Josh Baker	
Signature	: Christopher Cañas and Josh Baker	Page 1 of 2

Prevalent 24/7 Air Monitoring Data (PCM)

Project Number:	2019-3299UCI	
Project Site Address:	UC Irvine	
Sample Date:	6/3/19 – 6/4/19	
Analysis type:	PCM (NIOSH 7400A)	
Analysis by:	Christopher Cañas	
Date Analyzed:	6/4/19	

Sample ID: 7	Start time: 2200	End time: 0600
Sample location: 3 rd 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:
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		


Sample ID: 8	Start time: 2200	End time: 0600
Sample location: 4 th Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: corridor ceiling tile install, fire sprinkler install, and containment preparation.	No of fibers: 7.5	No of fields:
	Airborne fiber concentration (fibers/cc): 0.003	
Other comments:		

Sample ID: 9	Start time: 2201	End time: 0601
Sample location: 5 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:
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 10	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: 11	Start time: *	End time: *
Sample location: Sealed 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 name (print)	: Josh Baker	
Signature	: Josh Baker	Page 2 of 2

Project Number:	2019-3299UCI	
Project Site Address:	Rowland Hall	
Sample Date:	6/4/19	
Analysis type:	PCM (NIOSH 7400A)	
Analysis by:	Christopher Cañas	
Date Analyzed:	6/4/19	

Prevalent 24/7 Air Monitoring Data 1st Shift

Sample ID: 1	Start time: 0605	End time: 1405
Sample location: 3 rd 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 ID: 2	Start time: 0608	End time: 1408
Sample location: 4 th Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: Plumbing accessing sprinkler	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: 5 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: 4	Start time: 0612	End time: 1412
Sample location: Service Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: T-bar Installation	No of fibers: 1.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 5	Start time: 0614	End time: 1414
Sample location: 1 st Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 3.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample name (print)	: Christopher Cañas	
Signature	: Christopher Cañas	Page 1 of 3

Project Number:	2019-3299UCI	
Project Site Address:	Rowland Hall	
Sample Date:	6/4/19	
Analysis type:	PCM (NIOSH 7400A)	
Analysis by:	Jesse Sanchez	
Date Analyzed:	6/4/19	


Prevalent 24/7 Air Monitoring Data 2nd Shift

Sample ID: 6	Start time: 1405	End time: 2205
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: 7	Start time: 1408	End time: 2208
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 ID: 8	Start time: 14010	End time: 2210
Sample location: 3 rd 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 name (print)	: Chris Canas / Josh Baker	
Signature	: Chris Canas / Josh Baker	Page 2 of 3

Project Number:	2019-3299UCI	
Project Site Address:	Rowland Hall	
Sample Date:	6/4/19 – 6/5/19	
Analysis type:	PCM (NIOSH 7400A)	
Analysis by:	Christopher Cañas	
Date Analyzed:	6/5/19	

Prevalent 24/7 Air Monitoring Data 3rd Shift

Sample ID: 9	Start time: 2205	End time: 0605
Sample location: 3 rd Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 2.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		


Sample ID: 10	Start time: 2208	End time: 0608
Sample location: 4 th Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: Sprinkler install, demo + tile install and containment spot abatement.	No of fibers: 4.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 11	Start time: 2210	End time: 0610
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	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 12	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: 13	Start time: *	End time: *
Sample location: Sealed 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 name (print)	: Josh Baker	
Signature	: Josh Baker	Page 3 of 3

Project Number:	2019-3299UCI	
Project Site Address:	Rowland Hall	
Sample Date:	6/5/19	
Analysis type:	PCM (NIOSH 7400A)	
Analysis by:	Christopher Cañas	
Date Analyzed:	6/5/19	


Prevalent 24/7 Air Monitoring Data 1st Shift

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: T-bar installation	No of fibers: 3	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: 1.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample name (print)	: Christopher Cañas	
Signature	: Christopher Cañas	Page 1 of 3

Project Number:	2019-3299UCI	
Project Site Address:	Rowland Hall	
Sample Date:	6/5/19	
Analysis type:	PCM (NIOSH 7400A)	
Analysis by:	Jesse Sanchez	
Date Analyzed:	6/5/19	


Prevalent 24/7 Air Monitoring Data 2nd Shift

Sample ID: 4	Start time: 1405	End time: 2205
Sample location: 1 st Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 3.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 5	Start time: 1408	End time: 2208
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	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 6	Start time: 14010	End time: 2210
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 name (print)	: Christopher Cañas / Josh Baker	
Signature	: Christopher Cañas / Josh Baker	Page 2 of 3

Project Number:	2019-3299UCI	
Project Site Address:	Rowland Hall	
Sample Date:	6/5/19 – 6/6/19	
Analysis type:	PCM (NIOSH 7400A)	
Analysis by:	Christopher Cañas	
Date Analyzed:	6/6/19	

Prevalent 24/7 Air Monitoring Data 3rd Shift

Sample ID: 7	Start time: 2205	End time: 0605
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: 8	Start time: 2208	End time: 0608
Sample location: 4 th Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: Install pipes for new fire system	No of fibers: 4.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 9	Start time: 2210	End time: 0610
Sample location: 5 th 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: *	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: 11	Start time: *	End time: *
Sample location: Sealed 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 name (print)	: Josh Baker	
Signature	: Josh Baker	Page 3 of 3

Project Number:	2019-3299UCI	
Project Site Address:	Rowland Hall	
Sample Date:	6/6/19	
Analysis type:	PCM (NIOSH 7400A)	
Analysis by:	Christopher Cañas	
Date Analyzed:	6/6/19	


Prevalent 24/7 Air Monitoring Data 1st Shift

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: T-bar installation	No of fibers: 4	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: 1	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 name (print)	: Christopher Cañas	
Signature	: Christopher Cañas	Page 1 of 3

Project Number:	2019-3299UCI	
Project Site Address:	Rowland Hall	
Sample Date:	6/6/19	
Analysis type:	PCM (NIOSH 7400A)	
Analysis by:	Jesse Sanchez	
Date Analyzed:	6/6/19	


Prevalent 24/7 Air Monitoring Data 2nd Shift

Sample ID: 4	Start time: 1405	End time: 2205
Sample location: 1 st Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 3.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 5	Start time: 1408	End time: 2208
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	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 6	Start time: 14010	End time: 2210
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 name (print)	: Christopher Cañas / Josh Baker	
Signature	: Christopher Cañas / Josh Baker	Page 2 of 3

Project Number:	2019-3299UCI	
Project Site Address:	Rowland Hall	
Sample Date:	6/6/19 – 6/7/19	
Analysis type:	PCM (NIOSH 7400A)	
Analysis by:	Christopher Cañas	
Date Analyzed:	6/6/19 – 6/7/19	

Prevalent 24/7 Air Monitoring Data 3rd Shift

Sample ID: 7	Start time: 2205	End time: 0605
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: 8	Start time: 2208	End time: 0608
Sample location: 4 th Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: Install pipes	No of fibers: 4.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 9	Start time: 2210	End time: 0610
Sample location: 5 th 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: *	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: 11	Start time: *	End time: *
Sample location: Sealed 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 name (print)	: Josh Baker	
Signature	: Josh Baker	Page 3 of 3

Project Number:	2019-3299UCI	
Project Site Address:	UC Irvine, Rowland Hall	
Sample Date:	6/7/19	
Analysis type:	PCM (NIOSH 7400A)	
Analysis by:	Christopher Cañas	
Date Analyzed:	6/7/19	

Prevalent 24/7 Air Monitoring Data 1st Shift

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: None	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: 1.5	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 name (print)	: Christopher Cañas	
Signature	: Christopher Cañas	Page 1 of 1

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	6/3/2019	IH NAME	Christopher Cañas

<p>0530: Omega Representative Christopher Cañas on site. FM Construction is continuing work on the fourth level and will be performing work on electric raceways.</p>
<p>0720: 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>0850: Checked on Pumps; they are operating as intended. Checked on work; FM construction is in designated areas.</p>
<p>1030: Lunch</p>
<p>1210: Checked on Pumps; they are operating as intended. Checked on work; no construction work is being done.</p>
<p>1400: New PCM cassettes have been placed on a set of new pumps. They will run continuously into 2nd 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>1900: Jesse Sanchez of Omega is now on site and will review the days scope of work with Christopher Cañas before he is relieved. Omega Representative Christopher Cañas reviewed project details with Josh Baker and is now leaving site.</p>

Omega IH Signature: Christopher Cañas



Field Logs

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PROJECT NAME	UCI - Rowland hall	DATE	06/03-04/2019
SITE ADDRESS	Ring Rd, Irvine, CA 92697	Omega PROJECT #	2019-3299UCI
SITE CONTACT	Susan Robb (949)233-8889	IH NAME	J. Baker

1800 I arrive on site and checked in with Susan. There are currently 3 pumps operating on the SL, 1st and the 2nd levels. They are operating at 2.5 LPM and will run until 2200. Chris briefs me on all work activities that happened during the 1st shift and what to plan for on the 2nd and 3rd shift.

1900 I walk all floors and check on the pumps located on the SL, 1st and 2nd levels. They are all running and there is nothing unusual to report at this time.

2000 I walk all floors and check on the pumps located on the SL, 1st and 2nd levels. They are all running and there is nothing unusual to report at this time.

2100 I walk all floors and check on the pumps located on the SL, 1st and 2nd levels. They are all running and there is nothing unusual to report at this time.

2200 Samples were collected from the SL, 1st and 2nd floors and pumps were placed on the 3rd, 4th and 5th floors. They are calibrated to run at 2.5 LPM and will run until 0600. Workers have begun spot abatement and ceiling tile demo/install on the 4th floor. COSCO are working on the fire systems on the 4th floor. They were told to wear PPE if they are entering a containment.

2300 I walk all floors and check on the pumps located on the 3rd, 4th and 5th levels. They are all running and there is nothing unusual to report at this time.

0000 I walk all floors and check on the pumps located on the 3rd, 4th and 5th levels. They are all running and there is nothing unusual to report at this time.

0100 I walk all floors and check on the pumps located on the 3rd, 4th and 5th levels. They are all running and there is nothing unusual to report at this time.

0200 I walk all floors and check on the pumps located on the 3rd, 4th and 5th levels. They are all running and there is nothing unusual to report at this time.

0300 I walk all floors and check on the pumps located on the 3rd, 4th and 5th levels. They are all running and there is nothing unusual to report at this time.

0400 I walk all floors and check on the pumps located on the 3rd, 4th and 5th levels. They are all running and there is nothing unusual to report at this time.

0500 I walk all floors and check on the pumps located on the 3rd, 4th and 5th levels. They are all running and there is nothing unusual to report at this time.



Field Logs

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0600 Chris arrives on site and he was briefed by me about all the activities that occurred during my shift. There is nothing else to report at this time. I check out with Susan and I am off site.

Josh Baker

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	6/4/2019	IH NAME	Christopher Cañas

<p>0600: Omega Representative Christopher Cañas on site. FM Construction is continuing work on the fourth level and will be performing work on electric raceways.</p>
<p>0840: 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>0950: Checked on Pumps; they are operating as intended. Checked on work; FM construction is in designated areas.</p>
<p>1100: Lunch</p>
<p>1210: Checked on Pumps; they are operating as intended. Checked on work; no construction work is being done.</p>
<p>1400: New PCM cassettes have been placed on a set of new pumps. They will run continuously into 2nd 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>1830: Josh Baker of Omega is now on site and will review the days scope of work with Christopher Cañas before he is relieved. Omega Representative Christopher Cañas reviewed project details with Josh Baker and is now leaving site.</p>

Omega IH Signature: Christopher Cañas



Field Logs

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PROJECT NAME	UCI - Rowland hall	DATE	06/04-05/2019
SITE ADDRESS	Ring Rd, Irvine, CA 92697	Omega PROJECT #	2019-3299UCI
SITE CONTACT	Susan Robb (949)233-8889	IH NAME	J. Baker

1800 I arrive on site and checked in with Susan. There are currently 3 pumps operating on the SL, 1st And 2nd levels. They are operating at 2.5 LPM and will run until 2200. Chris briefs me on all work activities that happened during the 1st shift and what to plan for on the 2nd and 3rd shift.

1900 I walked the service level, the 1st floor and the 2nd floor. There is nothing unusual to report. All pumps are currently operating efficiently.

2000 I walked the service level, the 1st floor and the 2nd floor. There is nothing unusual to report. All pumps are currently operating efficiently.

2100 I walked the service level, the 1st floor and the 2nd floor. There is nothing unusual to report. All pumps are currently operating efficiently.

2200 Samples were collected from the SL, 1st and 2nd floors and pumps were placed on the 3rd, 4th and 5th floors. They are calibrated to run at 2.5 LPM and will run until 0600. Workers have begun spot abatement and ceiling tile demo/install on the 4th floor. BNB and COSCO are installing/removing ceiling tiles and working on the fire systems that run in the corridors.

2300 I walked all floors. There is nothing unusual to report. All pumps are currently operating efficiently.

0000 I walked all floors. There is nothing unusual to report. All pumps are currently operating efficiently.

0100 I walked all floors. There is nothing unusual to report. All pumps are currently operating efficiently.

0200 I walked the service level, the 1st floor and the 2nd floor. All pumps are currently operating efficiently. Cosco was informed again that whenever they are working in the corridors a poly barrier should be placed on the floor. This is per direction of UCI representatives and this has become an ongoing issue.

0300 I walked all floors. There is nothing unusual to report. All pumps are currently operating efficiently.

0400 I walked all floors. There is nothing unusual to report. All pumps are currently operating efficiently.

0500 I walk all floors and check on the pumps located on the 3rd, 4th and 5th levels. They are all running and there is nothing unusual to report at this time.

0600 I collected the pumps from the 3rd, 4th and 5th floors and placed new pumps with new filter media on the SL, 1st and 2nd floors. Chris arrives on site at 0600. He was briefed by Jesse and I about the overnight work activities. I check out with Susan and I am off site.

Josh Baker

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	6/5/2019	IH NAME	Christopher Cañas

<p>0600: Omega Representative Christopher Cañas on site. FM Construction is continuing work on the service level and will be performing T-bar installation.</p>
<p>0720: 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>1210: Checked on Pumps; they are operating as intended. Checked on work; no construction work is being done.</p>
<p>1430: New PCM cassettes have been placed on a set of new pumps. They will run continuously into 2nd 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>1830: Josh Baker of Omega is now on site and will review the days scope of work with Christopher Cañas before he is relieved. Omega Representative Christopher Cañas reviewed project details with Josh Baker and is now leaving site.</p>

Omega IH Signature: Christopher Cañas



Field Logs

PAGE: 1

PROJECT NAME	UCI - Rowland hall	DATE	06/05-06/2019
SITE ADDRESS	Ring Rd, Irvine, CA 92697	Omega PROJECT #	2019-3299UCI
SITE CONTACT	Susan Robb (949)233-8889	IH NAME	J. Baker

1800 I arrive on site and checked in with Susan. There are currently 3 pumps operating on the SL, 1st And 2nd levels. They are operating at 2.5 LPM and will run until 2200. Chris briefs me on all work activities that happened during the 1st shift and what to plan for on the 2nd and 3rd shift.

1900 I walked the service level, the 1st floor and the 2nd floor. There is nothing unusual to report. All pumps are currently operating efficiently.

2000 I walked the service level, the 1st floor and the 2nd floor. There is nothing unusual to report. All pumps are currently operating efficiently.

2100 I walked the service level, the 1st floor and the 2nd floor. There is nothing unusual to report. All pumps are currently operating efficiently.

2200 Samples were collected from the SL, 1st and 2nd floors and pumps were placed on the 3rd, 4th and 5th floors. They are calibrated to run at 2.5 LPM and will run until 0600. Workers have begun spot abatement and ceiling tile demo/install on the 4th floor. COSCO are installing main lines and doing test.

2300 I walk all floors and check on the pumps located on the 3rd, 4th and 5th levels. They are all running there was a containment being built on the 1st floor that was not on the work calendar from the UCI website. I informed Chris and he will pass the word along to Susan.

0000 I walk all floors and check on the pumps located on the 3rd, 4th and 5th levels. They are all running and there is nothing unusual to report at this time.

0100 I walk all floors and check on the pumps located on the 3rd, 4th and 5th levels. They are all running and there is nothing unusual to report at this time.

0200 Omega has repeated to COSCO that poly sheeting was required on the floors in any area that they are working in. this was told to John and his crew. They had respirators but no poly. This is the 3rd time they have been told.

0300 I walk all floors and check on the pumps located on the 3rd, 4th and 5th levels. They are all running and there is nothing unusual to report at this time.

0400 I walk all floors and check on the pumps located on the 3rd, 4th and 5th levels. They are all running and there is nothing unusual to report at this time.



Field Logs

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0500 ECG, COSCO and BNB are finishing work and will begin tonight at 1000. All pumps are running, and I prepare the filter media for the 0600 filter change.

0600 I am off site there is nothing to report at this time. I checked out with Susan via group text thread. No reply was received.

Josh Baker

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	6/6/2019	IH NAME	Christopher Cañas

<p>0600: Omega Representative Christopher Cañas on site. FM Construction is continuing work on the service level and will be performing T-bar installation.</p>
<p>0720: 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>1210: Checked on Pumps; they are operating as intended. Checked on work; no construction work is being done.</p>
<p>1430: New PCM cassettes have been placed on a set of new pumps. They will run continuously into 2nd 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>1830: Josh Baker of Omega is now on site and will review the days scope of work with Christopher Cañas before he is relieved. Omega Representative Christopher Cañas reviewed project details with Josh Baker and is now leaving site.</p>

Omega IH Signature: Christopher Cañas



Field Logs

PAGE: 1

PROJECT NAME	UCI - Rowland hall	DATE	06/06-07/2019
SITE ADDRESS	Ring Rd, Irvine, CA 92697	Omega PROJECT #	2019-3299UCI
SITE CONTACT	Susan Robb (949)233-8889	IH NAME	J. Baker

1800 I arrive on site and checked in with Susan. There are currently 3 pumps operating on the SL, 1st And 2nd levels. They are operating at 2.5 LPM and will run until 2200. Chris briefs me on all work activities that happened during the 1st shift and what to plan for on the 2nd and 3rd shift.

1900 I walked the service level, the 1st floor and the 2nd floor. There is nothing unusual to report. All pumps are currently operating efficiently.

2000 I walked the service level, the 1st floor and the 2nd floor. There is nothing unusual to report. All pumps are currently operating efficiently.

2100 I walked the service level, the 1st floor and the 2nd floor. There is nothing unusual to report. All pumps are currently operating efficiently.

2200 The pumps from the SL, 1st and 2nd floor had filters and charged pumps and running.

2300 I walked all floor as Rowland Hall all pumps are running and there is nothing unusual to report during this time.

0100 I walked all floor as Rowland Hall all pumps are running and there is nothing unusual to report during this time.

0300 I walked all floor as Rowland Hall all pumps are running and there is nothing unusual to report during this time.

0500 I walked all floor as Rowland Hall all pumps are running and there is nothing unusual to report during this time.

0600 I switched the pumps to the SL, 1st and 2nd floors from the 3rd, 4th and 5th floors. Chris arrives on site and was briefed on the activities that were performed during the night. I check out with Susan and I am off site.

Josh Baker

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	6/7/2019	IH NAME	Christopher Cañas

0600: Omega Representative Christopher Cañas on site. FM Construction is continuing work on the service level and will be performing T-bar installation.
0720: 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.
0920: Checked on Pumps; they are operating as intended. Checked on work; FM construction is in designated areas.
1010: Checked on Pumps; they are operating as intended. Checked on work; no construction work is being done.
1130: 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 1 st floor lobby near the elevators.
1430: All work done for the day, now leaving site

Omega IH Signature: Christopher Cañas

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

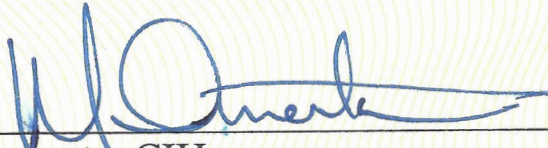
This is to certify

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

32297

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 CCR 1529 AND TITLE 8 CCR 5208.

ARMANDO DUCOING

DIRECTOR

September 21, 2018

COMPLETION DATE

E091718NIOSH

091718

CLASS NUMBER / STARTING DATE

CERTIFICATE EXPIRES

Ecologics Training Institute



Certificate of Attendance

CERTIFICATE NUMBER

83670

This is to Certify that

JOSH MERL BAKER

Has Completed the Course of

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

UNDER TSCA 296, FOR PURPOSES OF COMPLIANCE WITH 29 CFR 1926.1101 AND
TITLE 8 CCR 1529 AND TITLE 8 CCR 5208.

ARMANDO DUCOING

DIRECTOR

April 12, 2019

COMPLETION DATE

E041219B1R

CLASS NUMBER / STARTING DATE

041219

April 12, 2020

CERTIFICATE EXPIRES

Ecologics Training Institute

1012 Segovia Circle . Placentia, CA 92670 . Ph (714) 632-8100 . Fax (714) 632-8111 . www.ecologicsonline.com



Certificate of Attendance

CERTIFICATE NUMBER
35408

This is to Certify that

JOSH MERL BAKER

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 5200.

ARMANDO DUCOING

DIRECTOR

March 23, 2019

COMPLETION DATE

R032319CSR

CLASS NUMBER / STARTING DATE

032319

March 23, 2020

CERTIFICATE EXPIRES

Ecologics Training Institute

1012 Segovia Circle . Placentia, CA 92870 . Ph (714) 632-8100 . Fax (714) 632-8111 . www.ecologicsonline.com

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

Navid Salari
Name



Certification No. **94-1557**

Expires on **03/10/20**

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.

