UCI Environmental Health & Safety

Environmental Health & Safety
4600 Health Sciences Rd., Irvine, CA 92697-2725

January 20, 2020

JAMES BULLOCK
DEAN, SCHOOL OF PHYSICAL SCIENCES

RE: **October through November 2019 Prevalent Level Air Monitoring Report for Rowland Hall**

Dear Dean Bullock,

The attached reports from Omega Environmental provide prevalent level air monitoring results for Rowland Hall during asbestos and non-asbestos related construction activities in various locations on the service level through fifth floor during the period of October 14 through November 1, 2019. The attached reports address activities:

- in the Service Level through Second Floor, various activities and locations, from October 7 through 11 (report dated October 29, 2019;
- in the Service Level through Second Floor, various activities and locations, from October 14 through 18 (report dated October 29, 2019);
- in the Service Level, asbestos-related activities, from October 17 through 23 (report dated November 4, 2019);
- in the Service Level through Fifth Floor, various activities and locations, from October 21 through 25 (report dated November 5, 2019);
- in the Service Level through Fifth Floor, various activities and locations, from October 28 through November 1 (report dated November 20, 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 contact me by phone (**949.824.4817**) or email (**amsamala@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,

Alvin Samala
Manager, Industrial Hygiene, Chemical Safety, and Environmental Health
Environmental Health and Safety

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

Project Number 2019-3427UCI
October 29, 2019

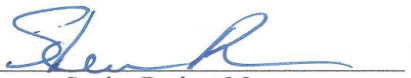
Prepared For:

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

Navid Salari
Sr. Project Manager, CAC #94-1597



Steve Rosas
Senior Project Manager

Principal, CAC #92-0284

TABLE OF CONTENTS

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 asbestos and non-asbestos construction activities throughout the subject building.

Heri Rodriquez, a California Certified Asbestos Consultant (CAC # 17-6020), Christopher Canas, a California Certified Site Surveillance Technician (CSST #16-5978) and Jesse Sanchez (CSST #19-6481) with Omega Environmental Services, Inc. (Omega) performed the air monitoring from October 7 through October 11, 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-582[1] 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)
10/07/19	1	Service floor hallway / Electrical and installing cabinets	<0.002
10/07/19	2	1st floor hallway / None	<0.002
10/07/19	3	2nd floor hallway / None	<0.002
10/07/19	4	Service floor hallway / None	<0.002
10/07/19	5	1st floor hallway / None	<0.002
10/07/19	6	2nd floor hallway / None	<0.002
10/07-08/19	7	Service floor hallway / None	<0.002
10/07-08/19	8	1st floor hallway / None	<0.002
10/07-08/19	9	2nd floor hallway / None	<0.002
10/08/19	1	Service floor hallway / Electrical work and installing cabinets	<0.002
10/08/19	2	1st floor hallway / None	<0.002
10/08/19	3	2nd floor hallway / None	<0.002

[1] NIOSH-582 or equivalent – Individual trained to analyze samples by Phase Contrast Microscopy

Date	Sample #	Sample Locations / Work Activity	Result (f/cc)
10/08/19	4	Service floor hallway / None	<0.002
10/08/19	5	1st floor hallway / None	<0.002
10/08/19	6	2nd floor hallway / None	<0.002
10//08-09/19	7	Service floor hallway / None	<0.002
10//08-09/19	8	1st floor hallway / None	<0.002
10//08-09/19	9	2nd floor hallway / None	<0.002
10/09/19	1	Service floor hallway / Electrical work	<0.002
10/09/19	2	1st floor hallway / None	<0.002
10/09/19	3	2nd floor hallway / None	<0.002
10/09/19	4	Service floor hallway / None	<0.002
10/09/19	5	1st floor hallway / None	<0.002
10/09/19	6	2nd floor hallway / None	<0.002
10//09-10/19	7	Service floor hallway / None	<0.002
10//09-10/19	8	1st floor hallway / None	<0.002
10//09-10/19	9	2nd floor hallway / Installing ceiling tiles	<0.002
10/10/19	1	Service floor hallway / Electrical	<0.002
10/10/19	2	1st floor hallway / None	<0.002
10/10/19	3	2nd floor hallway / None	<0.002
10/10/19	4	Service floor hallway / None	<0.002
10/10/19	5	1st floor hallway / None	<0.002
10/10/19	6	2nd floor hallway / None	<0.002
10//10-11/19	7	Service floor hallway / Ceiling tiles install	0.005
10//10-11/19	8	1st floor hallway / Cosco pressure testing sprinkler	0.003
10//10-11/19	9	2nd floor hallway / Cosco pressure testing sprinkler	<0.002
10/11/19	1	Service floor hallway / Installing ceiling tiles	<0.002
10/11/19	2	1st floor hallway / None	<0.002
10/11/19	3	2nd 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

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	10/07/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Jesse Sanchez
Date Analyzed:	10/07/19

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: Electrical + installing cabinets	No of fibers: 2.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 2	Start time: 0608	End time: 1408
Sample location: 1st 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: 2nd 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)	: Jesse Sanchez
Signature	: Jesse Sanchez

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	10/07/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Jesse Sanchez
Date Analyzed:	10/07/19

Prevalent 24/7 Air Monitoring Data 2nd Shift

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

Sample ID: 5	Start time: 1408	End time: 2208
Sample location: 1st Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers:	No of fields:100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 6	Start time: 1410	End time: 2210
Sample location: 2rd Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers:	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	10/07 – 10/08/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Heri Rodriguez
Date Analyzed:	10/08/19

Prevalent 24/7 Air Monitoring Data 3rd Shift

Sample ID: 7	Start time: 2205	End time: 0605
Sample location: Service Floor Hallway	Flow rate (LPM): 3	
	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: 2208	End time: 0608
Sample location: 1st Floor Hallway	Flow rate (LPM): 4.5	
	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: 9	Start time: 2210	End time: 0610
Sample location: 2nd Floor Hallway	Flow rate (LPM): 4	
	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: Sealed blank	Flow rate (LPM): *	
	Total time: *	Total volume: *
Work activity: None	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: Field blank	Flow rate (LPM): *	
	Total time: *	Total volume: *
Work activity: None	No of fibers: 0	No of fields: 100
	Airborne fiber concentration (fibers/cc): 0	
Other comments:		

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	10/08/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Jesse Sanchez
Date Analyzed:	10/08/19

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: Electrical + installing cabinets	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: 1st 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: 2nd 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)	: Heri Rodriguez
Signature	: Heri Rodriguez

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	10/08/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Christopher Cañas
Date Analyzed:	10/08/19

Prevalent 24/7 Air Monitoring Data 2nd Shift

Sample ID: 4	Start time: 1405	End time: 2205
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: 1408	End time: 2208
Sample location: 1st 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: 6	Start time: 1410	End time: 2210
Sample location: 2rd 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)	: Jesse Sanchez
Signature	: Jesse Sanchez

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	10/08 – 10/09/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Heri Rodriguez
Date Analyzed:	10/09/19

Prevalent 24/7 Air Monitoring Data 3rd Shift

Sample ID: 7	Start time: 2205	End time: 0605
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: 8	Start time: 2208	End time: 0608
Sample location: 1st 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: 2210	End time: 0610
Sample location: 2nd 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: 10	Start time: *	End time: *
Sample location: Sealed blank	Flow rate (LPM): *	
	Total time: *	Total volume: *
Work activity: None	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: Field blank	Flow rate (LPM): *	
	Total time: *	Total volume: *
Work activity: None	No of fibers: 0	No of fields: 100
	Airborne fiber concentration (fibers/cc): 0	
Other comments:		

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	10/09/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Jesse Sanchez
Date Analyzed:	10/09/19

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: Electrical work	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: 1st 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: 2nd 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)	: Heri Rodriguez
Signature	: Heri Rodriguez

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	10/09/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Christopher Cañas
Date Analyzed:	10/09/19

Prevalent 24/7 Air Monitoring Data 2nd Shift

Sample ID: 4	Start time: 1405	End time: 2205
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: 1408	End time: 2208
Sample location: 1st 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: 6	Start time: 1410	End time: 2210
Sample location: 2rd 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 name (print)	: Jesse Sanchez
Signature	: Jesse Sanchez

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	10/09- 10/10/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Heri Rodriguez
Date Analyzed:	10/10 /19

Prevalent 24/7 Air Monitoring Data 3rd Shift

Sample ID: 7	Start time: 2205	End time: 0605
Sample location: Service 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: 8	Start time: 2208	End time: 0608
Sample location: 1st 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: 2210	End time: 0610
Sample location: 2nd Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: Installing ceiling tiles	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: Sealed blank	Flow rate (LPM): *	
	Total time: *	Total volume: *
Work activity: None	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: Field blank	Flow rate (LPM): *	
	Total time: *	Total volume: *
Work activity: None	No of fibers: 0	No of fields: 100
	Airborne fiber concentration (fibers/cc): 0	
Other comments:		

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	10/10/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Jesse Sanchez
Date Analyzed:	10/10/19

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: Electrical work	No of fibers: 1.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 2	Start time: 0608	End time: 1408
Sample location: 1st 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: 2nd 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)	: Heri Rodriguez
Signature	: Heri Rodriguez

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	10/10/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Christopher Cañas
Date Analyzed:	10/10/19

Prevalent 24/7 Air Monitoring Data 2nd Shift

Sample ID: 4	Start time: 1405	End time: 2205
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: 1408	End time: 2208
Sample location: 1st 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: 6	Start time: 1410	End time: 2210
Sample location: 2rd 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)	: Jesse Sanchez
Signature	: Jesse Sanchez

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	10/10/19- 10/11/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Heri Rodriguez
Date Analyzed:	10/11/19

Prevalent 24/7 Air Monitoring Data 3rd Shift

Sample ID: 7	Start time: 2205	End time: 0605
Sample location: Service Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: Ceiling Tile Install	No of fibers: 12	No of fields: 100
	Airborne fiber concentration (fibers/cc): 0.005	
Other comments: At elevator lobby		

Sample ID: 8	Start time: 2208	End time: 0608
Sample location: 1st Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: Cosco Pressure testing sprinkler	No of fibers: 7	No of fields: 100
	Airborne fiber concentration (fibers/cc): 0.003	
Other comments:		

Sample ID: 9	Start time: 2210	End time: 0610
Sample location: 2nd Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: Cosco Pressure testing sprinkler	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: Sealed blank	Flow rate (LPM): *	
	Total time: *	Total volume: *
Work activity: None	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: Field blank	Flow rate (LPM): *	
	Total time: *	Total volume: *
Work activity: None	No of fibers: 0	No of fields: 100
	Airborne fiber concentration (fibers/cc): 0	
Other comments:		

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	10/11/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Heri Rodriguez
Date Analyzed:	10/11/19

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: Ceiling tile install	No of fibers: 2	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments: Ceiling tile install in the early morning only for this area sample		

Sample ID: 2	Start time: 0608	End time: 1408
Sample location: 1st 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: 2nd 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:		

Omega Environmental Services, Inc.

Daily Field Log

4570 Campus Drive, Suite 30
Newport Beach, California 92660
Phone: (949) 252-2145, Fax: (949) 252-2148

Project Number: 2019-3427UCI	Date: 10/7/2019
Project Name: Rowland Hall 24/7	Omega Representative: Jesse Sanchez
Project Address: Rowland Hall UCI Irvine, CA	
Client Contact:	
Client Phone #:	

TIME AND ACTIVITY

0500	**Omega Jesse Sanchez arrives on-site to start 5 am shift, at this time Omega begins to prep PCM cassettes to set**
	Up on the service, 1st and 2nd floor.
0605	**At this time Omega mobilize and set up PCM air samples on the service, 1st and 2nd floor running at 2.5 LPM.**
	Scope of work: Work will consist of electrical work + installing cabinets on the service floor.
0700	**At this time Omega walks the site to check on the work + air samples.**
0800	**Work continues to move forward no issues to report at this time, staff + students continue to roam throughout the**
	Halls and classrooms.
0900	**No issues to report at this time, Work continues to move forward.**
1000	**Low flow air samples continue to flow at 2.5 LPM.**
1100	**Omega walks the job site to check on the samples + work activities.**
1200	**Work continues to move forward no issues to report at this time, staff + students continue to roam throughout the**
	Halls and classrooms.
1300	**At this time Omega begins to prep PCM cassettes before demobilizing samples that have been set up on the**
	Service, 1st and 2nd floor.
1405	**Omega demobilize air samples and set up a new batch, PCM samples will analyzed using NIOSH 7400 method.**
1500	**Omega sends PCM results to UCI Reps. + Omega Rep. Navid Salari.**
1600	**There are no issues to report at this time, staff + students continue to roam throughout the hallways.**
1700	**At this time Omega Chris Cañas arrives on-site to relieve Omega Jesse, 5 am shift has ended for today.**

Omega Site Representative Signature: Jesse Sanchez	Date: 10/7/19

Field Notes

PROJECT NAME	UCI Rowland Hall	SITE CONTACT	Susan Robb
PROJECT NUMBER	2019-3427UCI	CLIENT NUMBER	(949) 233-8889
DATE	10/7/2019	IH NAME	Christopher Cañas

9:00pm: Omega Representative Christopher Cañas on site.
9:30pm: Checked on Pumps; they are operating as intended. Checked on work; no construction work is being done.
10:00pm: New PCM cassettes have been placed on a set of pumps. They will run continuously into the 3rd shift.
PCM cassettes are 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.
1:00am Construction activities are taking place in the first floor, 2nd floor, and 3rd floor which work includes
drywall install plus clean demo and tile install. ECG will not spot abate tonight.
4:30am: Checked on Pumps; they are operating as intended. Checked on work; no issues or concerns.
5:00am: Omega Rep. now on site and will review the days scope of work with Christopher Cañas before he is relieved.
5:45am: Omega Representative Christopher Cañas reviewed project details with Omega staff and is now
leaving site. All samples collected were analyzed and sent to PM and client for review.

Omega IH Signature: Christopher Cañas

Field Notes

PROJECT NAME	UCI Rowland Hall	SITE CONTACT	Susan Robb
PROJECT NUMBER	2019-3427UCI	CLIENT NUMBER	(949) 233-8889
DATE 10/08/2019		IH NAME	Heri Rodriguez

05:00- Arrived on site, Currently Cosco is working 0n the 3rd floor hallway by the elevators installing pipe-will collect 3rd shift prevalent air samples soon
06:20- Cosco Continues work on the areas above mentioned, Omega has switched pumps, will analyze and post results soon.
06:50- Prevalent samples analyzed, all samples below 0.01 f/cc. Results sent to group text. Results posted at 1st floor hallway and pictures text to group as requested. There is also electrical work being done at service level north side.
07:00- Cosco currently wrapping up for today they are cleaning all their work areas. All pumps are working properly, all ceiling critical barriers in place.
08:00- Prevalent air sampling continues, all pumps working. All Criticals in place. Drywall and electrical work going on at service level north end areas. Omega has informed BNB that Cosco did not clean the 3rd floor hallway properly. There is visible ceiling tile debris by elevator area, BNB worker said he would clean this up asap.
09:00- No change in conditions. Equipment properly working, 3rd floor elevator area has been re cleaned.
10:00- Currently no work going on at the floors where monitoring is taking place, except service level north side, all pumps are working properly, all critical barriers are in place.
11:00- Prevalent monitoring continues. No changes work continues at service level north Areas. Work is being done away from air sampling pumps.
12:00- All pumps are operating; all critical barriers are in place, work at service level ongoing.
13:00- All equipment is working fine at this time. No work going on during the 1st shift in the vicinity of the sampling equipment.
13:00-End of shift, Prevalent air samples have been analyzed and are below 0.01 f/cc. Results posted.

Omega IH Signature: Heri Rodriguez

Omega Environmental Services, Inc.

Daily Field Log

4570 Campus Drive, Suite 30
Newport Beach, California 92660
Phone: (949) 252-2145, Fax: (949) 252-2148

Project Number: 2019-3427UCI	Date: 10/8/2019
Project Name: Rowland Hall 24/7	Omega Representative: Jesse Sanchez
Project Address: Rowland Hall UCI Irvine, CA	
Client Contact:	
Client Phone #:	

TIME AND ACTIVITY

1300	**At this time Omega Jesse arrives on-site to start 1 p.m. shift. Omega Heri Rodriquez is relieved from site, work**
	Consist of installing cabinets + electrical work on the service floor.
1405	**Omega demobilize PCM air cassettes that have been set up on the service, 1st and 2nd floor. Omega will be**
	Analyzing PCM samples on-site + new batch of samples have been set up.
1500	**At this time Omega walks the site to check on the work + air samples.**
1600	**No work or issues to report at this time, staff + students continue to roam throughout the Halls and classrooms.**
1700	**Low flow air samples continue to flow at 2.5 LPM.**
1800	**No issues to report at this time.**
1900	**No work or issues to report at this time, staff + students continue to roam throughout the Halls and classrooms.**
2000	**Omega walks the job site to check on the samples + any activities.**
2100	**At this time Omega Jesse is relieved from site, Omega Chris Canas is on site for 9 pm shift.**

Omega Site Representative Signature: Jesse Sanchez	Date: 10/8/19

Field Notes

PROJECT NAME	UCI Rowland Hall	SITE CONTACT	Susan Robb
PROJECT NUMBER	2019-3427UCI	CLIENT NUMBER	(949) 233-8889
DATE	10/8/2019	IH NAME	Christopher Cañas

9:00pm: Omega Representative Christopher Cañas on site.
9:30pm: Checked on Pumps; they are operating as intended. Checked on work; no construction work is being done.
10:00pm: New PCM cassettes have been placed on a set of pumps. They will run continuously into the 3rd shift.
PCM cassettes are 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.
1:00am Construction activities are taking place in the first floor, 2nd floor, and 3rd floor which work includes
drywall install plus clean demo and tile install. ECG will not spot abate tonight.
4:30am: Checked on Pumps; they are operating as intended. Checked on work; no issues or concerns.
5:00am: Omega Rep. now on site and will review the days scope of work with Christopher Cañas before he is relieved.
5:45am: Omega Representative Christopher Cañas reviewed project details with Omega staff and is now
leaving site. All samples collected were analyzed and sent to PM and client for review.

Omega IH Signature: Christopher Cañas

Field Notes

PROJECT NAME	UCI Rowland Hall	SITE CONTACT	Susan Robb
PROJECT NUMBER	2019-3427UCI	CLIENT NUMBER	(949) 233-8889
DATE 10/09/2019		IH NAME	Heri Rodriguez

05:00- Arrived on site, Currently Cosco is working 0n the 3rd floor hallway by the elevators installing pipe, Omega will collect 3rd shift prevalent air samples soon
06:20- Cosco Continues work on the areas above mentioned, Omega has switched pumps, will analyze and post results soon.
07:00- Prevalent samples analyzed, all samples below 0.01 f/cc. Results sent to group text. Results posted at 1st floor hallway and pictures text to group as requested. There is also electrical work being done at service level north side.
07:00- Cosco currently wrapping up for today they are cleaning all their work areas. All pumps are working properly, all ceiling critical barriers in place.
08:00- Prevalent air sampling continues, all pumps working. All Criticals in place. Drywall and electrical work going on at service level north end areas.
09:40- No change in conditions. Equipment properly working, Omega Posted Sample Results at elevator lobby 1st Fl
10:00- Currently no work going on at the floors where monitoring is taking place, except service level north side, all pumps are working properly, all critical barriers are in place.
11:00- Prevalent monitoring continues. No changes work continues at service level north Areas.
12:00- All pumps are operating; all critical barriers are in place, work at service level ongoing.
13:00- All equipment is working fine at this time. No work going on during the 1st shift in the vicinity of the sampling equipment.
13:00-End of shift, Prevalent air samples for 1st shift will be collected and analyzed by second shift Omega rep.

Omega IH Signature: Heri Rodriguez

Omega Environmental Services, Inc.

Daily Field Log

4570 Campus Drive, Suite 30
Newport Beach, California 92660
Phone: (949) 252-2145, Fax: (949) 252-2148

Project Number: 2019-3427UCI	Date: 10/9/2019
Project Name: Rowland Hall 24/7	Omega Representative: Jesse Sanchez
Project Address: Rowland Hall UCI Irvine, CA	
Client Contact:	
Client Phone #:	

TIME AND ACTIVITY

1300	**At this time Omega Jesse arrives on-site to start 1 p.m. shift. Omega Heri Rodriquez is relieved from site, Scope**
	Of work: There is no work occurring during the shift.
1405	**Omega demobilize PCM air cassettes that have been set up on the service, 1st and 2nd floor. Omega will be**
	Analyzing PCM samples on-site + new batch of samples have been set up.
1500	**At this time Omega walks the site to check on any activities + air samples.**
1600	**No work or issues to report at this time, staff + students continue to roam throughout the Halls and classrooms.**
1700	**Low flow air samples continue to flow at 2.5 LPM.**
1800	**No issues to report at this time.**
1900	**No work or issues to report at this time, staff + students continue to roam throughout the Halls and classrooms.**
2000	**Omega walks the job site to check on the samples + any activities.**
2100	**At this time Omega Jesse is relieved from site, Omega Chris Canas is on site for 9 pm shift.**

Omega Site Representative Signature: Jesse Sanchez	Date: 10/9/19

Field Notes

PROJECT NAME	UCI Rowland Hall	SITE CONTACT	Susan Robb
PROJECT NUMBER	2019-3427UCI	CLIENT NUMBER	(949) 233-8889
DATE	10/9/2019	IH NAME	Christopher Cañas

9:00pm: Omega Representative Christopher Cañas on site.
9:30pm: Checked on Pumps; they are operating as intended. Checked on work; no construction work is being done.
10:00pm: New PCM cassettes have been placed on a set of pumps. They will run continuously into the 3rd shift.
PCM cassettes are 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.
1:00am Construction activities are taking place in the first floor, 2nd floor, and 3rd floor which work includes
drywall install plus clean demo and tile install. ECG will not spot abate tonight.
4:30am: Checked on Pumps; they are operating as intended. Checked on work; no issues or concerns.
5:00am: Omega Rep. now on site and will review the days scope of work with Christopher Cañas before he is relieved.
5:45am: Omega Representative Christopher Cañas reviewed project details with Omega staff and is now
leaving site. All samples collected were analyzed and sent to PM and client for review.

Omega IH Signature: Christopher Cañas

Field Notes

PROJECT NAME	UCI Rowland Hall	SITE CONTACT	Susan Robb
PROJECT NUMBER	2019-3427UCI	CLIENT NUMBER	(949) 233-8889
DATE 10/10/2019		IH NAME	Heri Rodriguez

05:00- Arrived on site, Currently Cosco is working 0n 1-5 Floors conducting pressure test on new fire suppression lines, no dust is being generated.
06:20- Cosco Continues work on the areas above mentioned, Omega has switched pumps, will analyze and post results soon.
06:55- Prevalent samples analyzed, all samples below 0.01 f/cc. Results sent to group text. Results posted at 1st floor hallway and pictures text to group as requested.
07:00- Cosco wrapped up for today. All pumps are working properly, all ceiling critical barriers in place.
08:00- Prevalent air sampling continues, all pumps working. All Criticals in place. BNB conducting small patch up work in 1st floor elevator lobby closet that's adjacent to lecture hall.
09:40- No change in conditions. Equipment properly working, Omega Posted Sample Results at elevator lobby 1st Fl, flooring installation going at service level north labs.
10:00- Work continues at service floor area north end labs-flooring installation. All pumps are working properly, all critical barriers are in place.
11:00- Prevalent monitoring continues. No changes work continues at service level north Areas.
12:00- All pumps are operating; all critical barriers are in place, work at service level ongoing.
13:00- All equipment is working fine at this time. No work going on during the 1st shift in the vicinity of the sampling equipment.
13:00-End of shift, Prevalent air samples for 1st shift will be collected and analyzed by second shift Omega rep.

Omega IH Signature: Heri Rodriguez

Omega Environmental Services, Inc.

Daily Field Log

4570 Campus Drive, Suite 30
Newport Beach, California 92660
Phone: (949) 252-2145, Fax: (949) 252-2148

Project Number: 2019-3427UCI	Date: 10/10/2019
Project Name: Rowland Hall 24/7	Omega Representative: Jesse Sanchez
Project Address: Rowland Hall UCI Irvine, CA	
Client Contact:	
Client Phone #:	

TIME AND ACTIVITY

1300	**At this time Omega Jesse arrives on-site to start 1 p.m. shift. Omega Heri Rodriquez is relieved from site, Scope**
	Of work: Work will consist of installing cabinets + electrical work.
1405	**Omega demobilize PCM air cassettes that have been set up on the service, 1st and 2nd floor. Omega will be**
	Analyzing PCM samples on-site + new batch of samples have been set up.
1500	**At this time Omega walks the site to check on any activities + air samples.**
1600	**No work or issues to report at this time, staff + students continue to roam throughout the Halls and classrooms.**
1700	**Low flow air samples continue to flow at 2.5 LPM.**
1800	**No issues to report at this time.**
1900	**No work or issues to report at this time, staff + students continue to roam throughout the Halls and classrooms.**
2000	**Omega walks the job site to check on the samples + any activities.**
2100	**At this time Omega Jesse is relieved from site, Omega Chris Canas is on site for 9 pm shift.**

Omega Site Representative Signature: Jesse Sanchez	Date: 10/10/19

Field Notes

PROJECT NAME	UCI Rowland Hall	SITE CONTACT	Susan Robb
PROJECT NUMBER	2019-3427UCI	CLIENT NUMBER	(949) 233-8889
DATE	10/10/2019	IH NAME	Christopher Cañas

9:00pm: Omega Representative Christopher Cañas on site.
9:30pm: Checked on Pumps; they are operating as intended. Checked on work; no construction work is being done.
10:00pm: New PCM cassettes have been placed on a set of pumps. They will run continuously into the 3rd shift.
PCM cassettes are 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.
1:00am Construction activities are taking place in the first floor, 2nd floor, and 3rd floor which work includes
drywall install plus clean demo and tile install. ECG will not spot abate tonight.
4:30am: Checked on Pumps; they are operating as intended. Checked on work; no issues or concerns.
5:00am: Omega Rep. now on site and will review the days scope of work with Christopher Cañas before he is relieved.
5:45am: Omega Representative Christopher Cañas reviewed project details with Omega staff and is now
leaving site. All samples collected were analyzed and sent to PM and client for review.

Omega IH Signature: Christopher Cañas

Field Notes

PROJECT NAME	UCI Rowland Hall	SITE CONTACT	Susan Robb
PROJECT NUMBER	2019-3427UCI	CLIENT NUMBER	(949) 233-8889
DATE 10/11/2019		IH NAME	Heri Rodriguez

05:00- Arrived on site, Currently Cosco is working 0n 1-5 Floors conducting pressure test on new fire suppression lines, BNB is working at service level installing new ceiling tile, currently all pumps are working.
06:20- Cosco Continues work on the areas above mentioned, Omega has switched pumps, will analyze and post results soon.
06:43- Prevalent samples analyzed, all samples below 0.01 f/cc. Results sent to group text. Results posted at 1st floor hallway and pictures text to group as requested.
07:00- Cosco wrapped up for today. All pumps are working properly, all ceiling critical barriers in place at this time. Will check the rest of the building later for any missing critical barriers or any existing ones in need of repair.
08:00- Prevalent air sampling continues, all pumps working.
09:40- No change in conditions. Equipment properly working.
10:00- All pumps are working properly.
11:00- Prevalent monitoring continues. Omega on site rep inspected stairwells and found that there is an opening on the SW 1st floor stairwell area that needs to be sealed and an existing critical at 1st floor center stairwell by elevators which is detaching from the ceiling. Omega Shift Rep Has informed Omega PM Navid Salari. He has emailed BNB the findings so that these can be repaired.
12:00- All pumps are operating properly. BNB has repaired the existing critical at the above-mentioned location and also covered the one that had no poly on the SW stairwell, Omega documented this with pictures.
13:00- All equipment is working fine at this time. No work going on during the 1st shift in the vicinity of the sampling equipment.
14:15-Omega Collected day samples will analyze now
15:00-End Of shift, day samples results below 0.01 f/cc- results posted. Omega off site.

Omega IH Signature: Heri Rodriguez

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

State of California
Division of Occupational Safety and Health

Certified Site Surveillance Technician

Jesse S Sanchez
Name

Certification No. ~~19-6481~~

Expires on ~~09/17/20~~

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.

CERTIFICATE NUMBER

32297

Certificate of Attendance

ECOLOGICS™ TRAINING INSTITUTE

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.

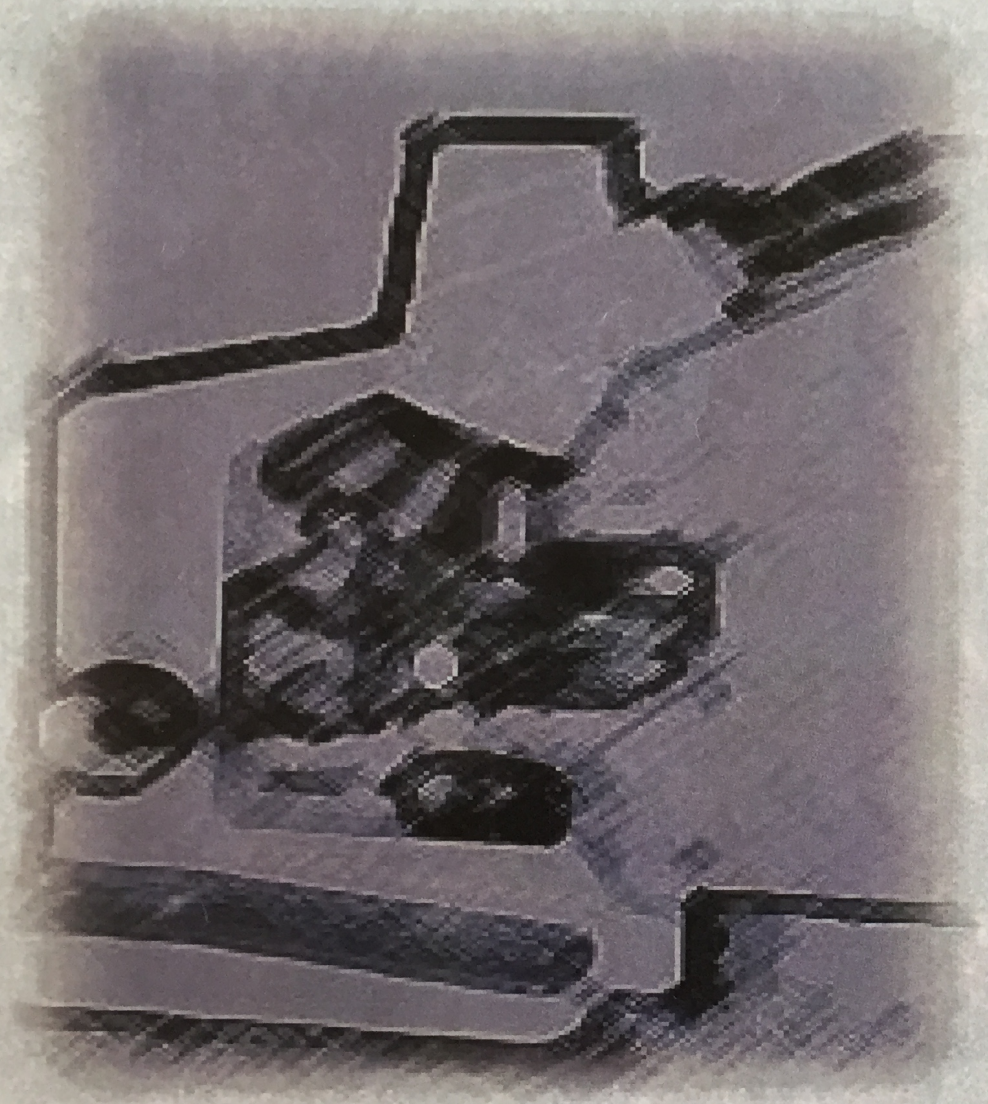
ARMANDO DUCOING
DIRECTOR

September 21, 2018	**E091718NIOSH 091718**	
COMPLETION DATE	CLASS NUMBER / STARTING DATE	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
Heri Rodriguez
Name
Certification No. 17-6020
Expires on 09/12/20
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.



Health Science Associates

certifies that

HERI RODRIGUEZ

has successfully completed an

intensive course of instruction in

SAMPLING & EVALUATING AIRBORNE

ASBESTOS DUST - N I O S H 5 8 2

given by Health Science Associates on

MARCH 8-11, 2010.

Kathy D. Jones

KATHY JONES
Training Director

Certificate No. 100192LA-03

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

Name Navid Salari

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.

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

Project Number 2019-3427UCI
October 29, 2019

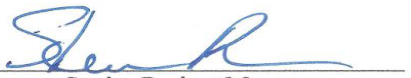
Prepared For:

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

Navid Salari
Sr. Project Manager, CAC #94-1597



Steve Rosas
Senior Project Manager

Principal, CAC #92-0284

TABLE OF CONTENTS

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 asbestos and non-asbestos construction activities throughout the subject building.

Heri Rodriquez, a California Certified Asbestos Consultant (CAC # 17-6020), Christopher Canas, a California Certified Site Surveillance Technician (CSST #16-5978) and Jesse Sanchez (CSST #19-6481) with Omega Environmental Services, Inc. (Omega) performed the air monitoring from October 14 through October 18, 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-582[1] 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)
10/14/19	1	Service floor hallway / Electrical work	<0.002
10/14/19	2	1st floor hallway / None	<0.002
10/14/19	3	2nd floor hallway / None	<0.002
10/14/19	4	Service floor hallway / None	<0.002
10/14/19	5	1st floor hallway / None	<0.002
10/14/19	6	2nd floor hallway / None	<0.002
10/14-15/19	7	Service floor hallway / None	<0.002
10/14-15/19	8	1st floor hallway / Demolition plaster	<0.002
10/14-15/19	9	2nd floor hallway / None	<0.002
10/15/19	1	Service floor hallway / Electrical work	<0.002
10/15/19	2	1st floor hallway / None	<0.002
10/15/19	3	2nd floor hallway / None	<0.002

[1] NIOSH-582 or equivalent – Individual trained to analyze samples by Phase Contrast Microscopy

Date	Sample #	Sample Locations / Work Activity	Result (f/cc)
10/15/19	4	Service floor hallway / None	<0.002
10/15/19	5	1st floor hallway / None	<0.002
10/15/19	6	2nd floor hallway / None	<0.002
10//15-16/19	7	Service floor hallway / Ceiling tile install	<0.002
10//15-16/19	8	1st floor hallway / Cosco pressure testing sprinkler	<0.002
10//15-16/19	9	2nd floor hallway / Cosco pressure testing sprinkler	<0.002
10/16/19	1	Service floor hallway / Installing doors and cabinets	<0.002
10/16/19	2	1st floor hallway / None	<0.002
10/16/19	3	2nd floor hallway / None	<0.002
10/16/19	4	Service floor hallway / None	<0.002
10/16/19	5	1st floor hallway / None	<0.002
10/16/19	6	2nd floor hallway / None	<0.002
10/16-17/19	7	Service floor hallway / None	<0.002
10/16-17/19	8	1st floor hallway / Cosco pressure testing sprinkler	<0.002
10/16-17/19	9	2nd floor hallway / Cosco pressure testing sprinkler	<0.002
10/17/19	1	Service floor hallway / Installing doors and cabinets	<0.002
10/17/19	2	1st floor hallway / None	<0.002
10/17/19	3	2nd floor hallway / None	<0.002
10/17/19	4	Service floor hallway / None	<0.002
10/17/19	5	1st floor hallway / None	<0.002
10/17/19	6	2nd floor hallway / None	<0.002
10//17-18/19	7	Service floor hallway / None	<0.002
10//17-18/19	8	1st floor hallway / Cosco pressure testing sprinkler	<0.002
10//17-18/19	9	2nd floor hallway / Cosco pressure testing sprinkler	<0.002
10/18/19	1	Service floor hallway / Installing doors and cabinets, drywall finishing and electrical work	<0.002
10/18/19	2	1st floor hallway / None	<0.002
10/18/19	3	2nd 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

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	10/14/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Jesse Sanchez
Date Analyzed:	10/14/19

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: Electrical work	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: 1st 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: 2nd 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)	: Heri Rodriguez
Signature	: Heri Rodriguez

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	10/14/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Christopher Cañas
Date Analyzed:	10/14/19

Prevalent 24/7 Air Monitoring Data 2nd Shift

Sample ID: 4	Start time: 1405	End time: 2205
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: 5	Start time: 1408	End time: 2208
Sample location: 1st 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: 6	Start time: 1410	End time: 2210
Sample location: 2rd 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)	: Jesse Sanchez
Signature	: Jesse Sanchez

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	10/14-15/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Jesse Sanchez
Date Analyzed:	10/15/19

Prevalent 24/7 Air Monitoring Data 3rd Shift

Sample ID: 7	Start time: 2205	End time: 0605
Sample location: Service 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: At elevator lobby		

Sample ID: 8	Start time: 2208	End time: 0608
Sample location: 1st Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: Clean demolition Plaster	No of fibers: 3	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 9	Start time: 2210	End time: 0610
Sample location: 2nd 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: *	End time: *
Sample location: Field blank	Flow rate (LPM): *	
	Total time: *	Total volume: *
Work activity: None	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: None	No of fibers: 0	No of fields: 100
	Airborne fiber concentration (fibers/cc): 0	
Other comments:		

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	10/15/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Jesse Sanchez
Date Analyzed:	10/15/19

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: Electrical work	No of fibers: 4.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 2	Start time: 0608	End time: 1408
Sample location: 1st 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: 2nd 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)	: Heri Rodriguez
Signature	: Heri Rodriguez

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	10/15/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Christopher Cañas
Date Analyzed:	10/15/19

Prevalent 24/7 Air Monitoring Data 2nd Shift

Sample ID: 4	Start time: 1405	End time: 2205
Sample location: Service 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: 1st 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: 6	Start time: 1410	End time: 2210
Sample location: 2rd 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)	: Jesse Sanchez
Signature	: Jesse Sanchez

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	10/15-10/16/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Heri Rodriguez
Date Analyzed:	10/16/19

Prevalent 24/7 Air Monitoring Data 3rd Shift

Sample ID: 7	Start time: 2205	End time: 0605
Sample location: Service Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: Ceiling Tile Install	No of fibers: 4	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments: At elevator lobby		

Sample ID: 8	Start time: 2208	End time: 0608
Sample location: 1st Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: Cosco Pressure testing sprinkler	No of fibers: 3	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 9	Start time: 2210	End time: 0610
Sample location: 2nd Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: Cosco Pressure testing sprinkler	No of fibers: 2.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 10	Start time: *	End time: *
Sample location: Sealed blank	Flow rate (LPM): *	
	Total time: *	Total volume: *
Work activity: None	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: Field blank	Flow rate (LPM): *	
	Total time: *	Total volume: *
Work activity: None	No of fibers: 0	No of fields: 100
	Airborne fiber concentration (fibers/cc): 0	
Other comments:		

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	10/16/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Jesse Sanchez
Date Analyzed:	10/16/19

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: Installing doors + Cabinets	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: 1st 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: 2nd 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)	: Heri Rodriguez
Signature	: Heri Rodriguez

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	10/16/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Christopher Cañas
Date Analyzed:	10/16/19

Prevalent 24/7 Air Monitoring Data 2nd Shift

Sample ID: 4	Start time: 1405	End time: 2205
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: 1408	End time: 2208
Sample location: 1st 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: 6	Start time: 1410	End time: 2210
Sample location: 2rd 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)	: Jesse Sanchez
Signature	: Jesse Sanchez

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	10/16-10/17/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Heri Rodriguez
Date Analyzed:	10/17/19

Prevalent 24/7 Air Monitoring Data 3rd Shift

Sample ID: 7	Start time: 2205	End time: 0605
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: At elevator lobby		

Sample ID: 8	Start time: 2208	End time: 0608
Sample location: 1st Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: Cosco Pressure testing sprinkler	No of fibers: 3	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 9	Start time: 2210	End time: 0610
Sample location: 2nd Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: Cosco Pressure testing sprinkler	No of fibers: 3	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 10	Start time: *	End time: *
Sample location: Sealed blank	Flow rate (LPM): *	
	Total time: *	Total volume: *
Work activity: None	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: Field blank	Flow rate (LPM): *	
	Total time: *	Total volume: *
Work activity: None	No of fibers: 0	No of fields: 100
	Airborne fiber concentration (fibers/cc): 0	
Other comments:		

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	10/17/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Jesse Sanchez
Date Analyzed:	10/17/19

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: Installing doors + Cabinets	No of fibers: 2.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 2	Start time: 0608	End time: 1408
Sample location: 1st 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: 2nd 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)	: Heri Rodriguez
Signature	: Heri Rodriguez

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	10/17/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Christopher Cañas
Date Analyzed:	10/17/19

Prevalent 24/7 Air Monitoring Data 2nd Shift

Sample ID: 4	Start time: 1405	End time: 2205
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: 1408	End time: 2208
Sample location: 1st 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: 6	Start time: 1410	End time: 2210
Sample location: 2rd 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)	: Jesse Sanchez
Signature	: Jesse Sanchez

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	10/17-10/18/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Heri Rodriguez
Date Analyzed:	10/18/19

Prevalent 24/7 Air Monitoring Data 3rd Shift

Sample ID: 7	Start time: 2205	End time: 0605
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: At elevator lobby		

Sample ID: 8	Start time: 2208	End time: 0608
Sample location: 1st Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: Cosco Pressure testing sprinkler	No of fibers: 2.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 9	Start time: 2210	End time: 0610
Sample location: 2nd Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: Cosco Pressure testing sprinkler	No of fibers: 4	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 10	Start time: *	End time: *
Sample location: Sealed blank	Flow rate (LPM): *	
	Total time: *	Total volume: *
Work activity: None	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: Field blank	Flow rate (LPM): *	
	Total time: *	Total volume: *
Work activity: None	No of fibers: 0	No of fields: 100
	Airborne fiber concentration (fibers/cc): 0	
Other comments:		

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	10/18/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Heri Rodriguez
Date Analyzed:	10/18/19

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: Installing doors + Cabinets	No of fibers: 3	No of fields: 100
Drywall finishing and electrical work	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 2	Start time: 0608	End time: 1408
Sample location: 1st 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: 3	Start time: 0610	End time: 1410
Sample location: 2nd 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)	: Heri Rodriguez
Signature	: Heri Rodriguez

Field Notes

PROJECT NAME	UCI Rowland Hall	SITE CONTACT	Susan Robb
PROJECT NUMBER	2019-3427UCI	CLIENT NUMBER	(949) 233-8889
DATE 10/14/2019		IH NAME	Heri Rodriguez

05:00- Arrived on site, currently there is no work going on.
06:20- 24/7 samples set up in the same areas as usual.
06:50-All remaining criticals in place.
07:00-All pumps are working properly, all ceiling critical barriers in place at this time. Will check the rest of the building later for any missing critical barriers or any existing ones in need of repair.
08:00- Prevalent air sampling continues, all pumps working. Existing critical barriers are in good conditions.
09:40- No change in conditions. Equipment properly working. No work going on at this time.
10:00- All pumps are working properly. No change in activities.
11:00- Prevalent monitoring continues. All pumps currently working.
12:00- All pumps are operating properly.
13:00- All equipment is working fine at this time. No work going on during the 1st shift in the vicinity of the sampling equipment. 2nd shift on site, Omega 1st shift leaves site.

Omega IH Signature: Heri Rodriguez

Omega Environmental Services, Inc.

Daily Field Log

4570 Campus Drive, Suite 30
Newport Beach, California 92660
Phone: (949) 252-2145, Fax: (949) 252-2148

Project Number: 2019-3427UCI	Date: 10/14/2019
Project Name: Rowland Hall 24/7	Omega Representative: Jesse Sanchez
Project Address: Rowland Hall UCI Irvine, CA	
Client Contact:	
Client Phone #:	

TIME AND ACTIVITY

1300	**At this time Omega Jesse arrives on-site to start 1 p.m. shift. Omega Heri Rodriquez is relieved from site, Scope**
	Of work: There is no work occurring during this shift.
1405	**Omega demobilize PCM air cassettes that have been set up on the service, 1st and 2nd floor. Omega will be**
	Analyzing PCM samples on-site + new batch of samples have been set up.
1500	**At this time Omega walks the site to check on any activities + air samples.**
1600	**No work or issues to report at this time, staff + students continue to roam throughout the Halls and classrooms.**
1700	**Low flow air samples continue to flow at 2.5 LPM.**
1800	**No issues to report at this time.**
1900	**No work or issues to report at this time, staff + students continue to roam throughout the Halls and classrooms.**
2000	**Omega walks the job site to check on the samples + any activities.**
2100	**At this time Omega Jesse is relieved from site, Omega Chris Canas is on site for 9 pm shift.**

Omega Site Representative Signature: Jesse Sanchez	Date: 10/14/19

Field Notes

PROJECT NAME	UCI Rowland Hall	SITE CONTACT	Susan Robb
PROJECT NUMBER	2019-3427UCI	CLIENT NUMBER	(949) 233-8889
DATE	10/14/2019	IH NAME	Christopher Cañas

9:00pm: Omega Representative Christopher Cañas on site.
9:30pm: Checked on Pumps; they are operating as intended. Checked on work; no construction work is being done.
10:00pm: New PCM cassettes have been placed on a set of pumps. They will run continuously into the 3rd shift.
PCM cassettes are 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.
1:00am Construction activities are taking place in the first floor, 2nd floor, and 3rd floor which work includes
drywall install plus clean demo and tile install. ECG will prep b55 for spot abatement removal
4:30am: Checked on Pumps; they are operating as intended. Checked on work; no issues or concerns.
5:00am: Omega Rep. now on site and will review the days scope of work with Christopher Cañas before he is relieved.
5:45am: Omega Representative Christopher Cañas reviewed project details with Omega staff and is now
leaving site. All samples collected were analyzed and sent to PM and client for review.

Omega IH Signature: Christopher Cañas

Field Notes

PROJECT NAME	UCI Rowland Hall	SITE CONTACT	Susan Robb
PROJECT NUMBER	2019-3427UCI	CLIENT NUMBER	(949) 233-8889
DATE 10/15/2019		IH NAME	Heri Rodriguez

05:00- Arrived on site, Cosco is working in different levels, ECG is working at B55 setting up containment for spot abatement.
06:20- 24/7 samples and pumps replaced.
06:50-All remaining criticals in place. 1st Shift Samples set analyzed and posted
07:30-All pumps are working properly, poly at ice machine room 303 is detaching, Omega on site representative will inform Navid Omega Pm so that he can notify BNB, at this time Cosco is leaving the site as well as ECG, Omega checked hallways in all the floors and did not see any missing ceiling tiles.
08:45- Prevalent air sampling continues, all pumps working. Regular construction work going on at service level north side where the new labs are being built.
09:40- No change in conditions. Equipment properly working. No work going on at this time.
10:00- All pumps are working properly. No change in activities.
11:30- Prevalent monitoring continues. All pumps currently working. The only work going on at this time is in the service area, cabinets being installed and other items.
12:00- All pumps are operating properly.
13:00- All equipment is working fine at this time. No work going on during the 1st shift in the vicinity of the sampling equipment. 2nd shift on site, Omega 1st shift leaves site.

Omega IH Signature: Heri Rodriguez

Omega Environmental Services, Inc.

Daily Field Log

4570 Campus Drive, Suite 30
Newport Beach, California 92660
Phone: (949) 252-2145, Fax: (949) 252-2148

Project Number: 2019-3427UCI	Date: 10/15/2019
Project Name: Rowland Hall 24/7	Omega Representative: Jesse Sanchez
Project Address: Rowland Hall UCI Irvine, CA	
Client Contact:	
Client Phone #:	

TIME AND ACTIVITY

1300	**At this time Omega Jesse arrives on-site to start 1 p.m. shift. Omega Heri Rodriquez is relieved from site, Scope**
	Of work: There is no work occurring during this shift.
1405	**Omega demobilize PCM air cassettes that have been set up on the service, 1st and 2nd floor. Omega will be**
	Analyzing PCM samples on-site + new batch of samples have been set up.
1500	**At this time Omega walks the site to check on any activities + air samples.**
1600	**No work or issues to report at this time, staff + students continue to roam throughout the Halls and classrooms.**
1700	**Low flow air samples continue to flow at 2.5 LPM.**
1800	**No issues to report at this time.**
1900	**No work or issues to report at this time, staff + students continue to roam throughout the Halls and classrooms.**
2000	**Omega walks the job site to check on the samples + any activities.**
2100	**At this time Omega Jesse is relieved from site, Omega Chris Canas is on site for 9 pm shift.**

Omega Site Representative Signature: Jesse Sanchez	Date: 10/15/19

Field Notes

PROJECT NAME	UCI Rowland Hall	SITE CONTACT	Susan Robb
PROJECT NUMBER	2019-3427UCI	CLIENT NUMBER	(949) 233-8889
DATE	10/15/2019	IH NAME	Christopher Cañas

9:00pm: Omega Representative Christopher Cañas on site.
9:30pm: Checked on Pumps; they are operating as intended. Checked on work; no construction work is being done.
10:00pm: New PCM cassettes have been placed on a set of pumps. They will run continuously into the 3rd shift.
PCM cassettes are 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.
1:00am Construction activities are taking place in the first floor, 2nd floor, and 3rd floor which work includes
drywall install plus clean demo and tile install. ECG will continue to prep b55 for spot abatement removal
4:30am: Checked on Pumps; they are operating as intended. Checked on work; no issues or concerns.
5:00am: Omega Rep. now on site and will review the days scope of work with Christopher Cañas before he is relieved.
5:45am: Omega Representative Christopher Cañas reviewed project details with Omega staff and is now
leaving site. All samples collected were analyzed and sent to PM and client for review.

Omega IH Signature: Christopher Cañas

Field Notes

PROJECT NAME	UCI Rowland Hall	SITE CONTACT	Susan Robb
PROJECT NUMBER	2019-3427UCI	CLIENT NUMBER	(949) 233-8889
DATE 10/16/2019		IH NAME	Heri Rodriguez

05:00- Arrived on site, Cosco is working in different levels, ECG is working at B55 setting up containment for spot abatement. Cosco is working in multiple areas pressure testing sprinkler system.
06:20- 24/7 samples and pumps replaced.
06:50-All remaining criticals in place. 1st Shift Samples set analyzed and posted
07:30-All pumps are working properly, at this time Cosco is leaving the site as well as ECG, Omega checked hallways in all the floors and did not see any missing ceiling tiles. 3rd shift PCM results posted.
08:45- Prevalent air sampling continues, all pumps working. Regular construction work going on at service level north side where the new labs are being built.
09:40- No change in conditions. Equipment properly working. Cabinet installation ongoing at service level lab areas.
10:00- All pumps are working properly. No change in activities.
11:30- Prevalent monitoring continues. All pumps currently working. No change in flow.
12:00- All pumps are operating properly. Susan Robb UCI EH&S informed Omega Rep that she found plaster debris at service level west loading dock entry as well as ceiling tile debris at service level outside of restrooms, Omega Representative documented findings with photographs, as she needed the debris cleaned right away, Omega representative cleaned up the debris and documented this with pictures and informed Susan.
13:00- All equipment is working fine at this time. No major work went on during the 1st shift in the vicinity of the sampling equipment. 2nd shift on site, Omega 1st shift leaves site. Omega 2nd shift has been informed to keep checking areas for any new debris and notify group of any new findings.

Omega IH Signature: Heri Rodriguez

Omega Environmental Services, Inc.

Daily Field Log

4570 Campus Drive, Suite 30
Newport Beach, California 92660
Phone: (949) 252-2145, Fax: (949) 252-2148

Project Number: 2019-3427UCI	Date: 10/16/2019
Project Name: Rowland Hall 24/7	Omega Representative: Jesse Sanchez
Project Address: Rowland Hall UCI Irvine, CA	
Client Contact:	
Client Phone #:	

TIME AND ACTIVITY

1300	**At this time Omega Jesse arrives on-site to start 1 p.m. shift. Omega Heri Rodriquez is relieved from site, Scope**
	Of work: Work consist of installing cabinets + doors on the service floor.
1405	**Omega demobilize PCM air cassettes that have been set up on the service, 1st and 2nd floor. Omega will be**
	Analyzing PCM samples on-site + new batch of samples have been set up.
1500	**At this time Omega walks the site to check on any activities + air samples.**
1600	**No work or issues to report at this time, staff + students continue to roam throughout the Halls and classrooms.**
1700	**Low flow air samples continue to flow at 2.5 LPM.**
1800	**No issues to report at this time.**
1900	**No work or issues to report at this time, staff + students continue to roam throughout the Halls and classrooms.**
2000	**Omega walks the job site to check on the samples + any activities.**
2100	**At this time Omega Jesse is relieved from site, Omega Chris Canas is on site for 9 pm shift.**

Omega Site Representative Signature: Jesse Sanchez	Date: 10/16/19

Field Notes

PROJECT NAME	UCI Rowland Hall	SITE CONTACT	Susan Robb
PROJECT NUMBER	2019-3427UCI	CLIENT NUMBER	(949) 233-8889
DATE	10/16/2019	IH NAME	Christopher Cañas

9:00pm: Omega Representative Christopher Cañas on site.
9:30pm: Checked on Pumps; they are operating as intended. Checked on work; no construction work is being done.
10:00pm: New PCM cassettes have been placed on a set of pumps. They will run continuously into the 3rd shift.
PCM cassettes are 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.
1:00am Construction activities are taking place in the first floor, 2nd floor, and 3rd floor which work includes
drywall install plus clean demo and tile install. ECG will continue to prep b55 for spot abatement removal
4:30am: Checked on Pumps; they are operating as intended. Checked on work; no issues or concerns.
5:00am: Omega Rep. now on site and will review the days scope of work with Christopher Cañas before he is relieved.
5:45am: Omega Representative Christopher Cañas reviewed project details with Omega staff and is now
leaving site. All samples collected were analyzed and sent to PM and client for review.

Omega IH Signature: Christopher Cañas

Field Notes

PROJECT NAME	UCI Rowland Hall	SITE CONTACT	Susan Robb
PROJECT NUMBER	2019-3427UCI	CLIENT NUMBER	(949) 233-8889
DATE 10/17/2019		IH NAME	Heri Rodriguez

05:00- Arrived on site, Cosco is working in different levels, ECG is working at B55 marking spots inside containment for abatement possibly tonight, Cosco is working in multiple floor areas pressure testing sprinkler system. At this time Omega representative did not see any plaster debris or ceiling tile debris in the areas cleaned yesterday or on any of the floor areas being worked in at this time-the service level hallway and north side lab areas have settled dust from ongoing construction activities.
06:20- 24/7 samples and pumps replaced.
06:30-All remaining criticals in place. 1st Shift Samples, 3rd shift samples analyzed and posted
07:30-All pumps are working properly, at this time Cosco is leaving the site as well as ECG, Omega checked hallways in all the floors and did not see any missing ceiling tiles. There is a wall opening at the 1st floor NW Stairwell landing, Omega on site Representative has notified PM Navid, He has notified BNB and this wall opening will be sealed tonight.
08:45- Prevalent air sampling continues, all pumps working. Regular construction work going on at service level north side where the new labs are being built. Susan Robb called to inquire about abatement work at B55, she was told that no abatement has started yet and has requested that she be informed when this happens.
09:40- No change in conditions. Equipment properly working. Cabinet installation ongoing at service level lab areas. Checked loading dock areas due to a report of water leak, no water leaks found only sprinkler run off.
10:00- All pumps are working properly. No change in activities. miscellaneous work continues at service level.
11:30- Prevalent monitoring continues. All pumps currently working. No change in flow.
12:00- All pumps are operating properly. No changes to report, walked all floors and did not notice any ceiling tiles missing or any new debris.
13:00- All equipment is working fine at this time. No major work went on during the 1st shift in the vicinity of the sampling equipment. 2nd shift on site, Omega 1st shift leaves site. Omega 2nd shift takes over.

Omega IH Signature: Heri Rodriguez

Omega Environmental Services, Inc.

Daily Field Log

4570 Campus Drive, Suite 30
Newport Beach, California 92660
Phone: (949) 252-2145, Fax: (949) 252-2148

Project Number: 2019-3427UCI	Date: 10/17/2019
Project Name: Rowland Hall 24/7	Omega Representative: Jesse Sanchez
Project Address: Rowland Hall UCI Irvine, CA	
Client Contact:	
Client Phone #:	

TIME AND ACTIVITY

1300	**At this time Omega Jesse arrives on-site to start 1 p.m. shift. Omega Heri Rodriquez is relieved from site, Scope**
	Of work: Work consist of installing cabinets + doors on the service floor.
1405	**Omega demobilize PCM air cassettes that have been set up on the service, 1st and 2nd floor. Omega will be**
	Analyzing PCM samples on-site + new batch of samples have been set up.
1500	**At this time Omega walks the site to check on any activities + air samples.**
1600	**No work or issues to report at this time, staff + students continue to roam throughout the Halls and classrooms.**
1700	**Low flow air samples continue to flow at 2.5 LPM.**
1800	**No issues to report at this time.**
1900	**No work or issues to report at this time, staff + students continue to roam throughout the Halls and classrooms.**
2000	**Omega walks the job site to check on the samples + any activities.**
2100	**At this time Omega Jesse is relieved from site, Omega Chris Canas is on site for 9 pm shift.**

Omega Site Representative Signature: Jesse Sanchez	Date: 10/17/19

Field Notes

PROJECT NAME	UCI Rowland Hall	SITE CONTACT	Susan Robb
PROJECT NUMBER	2019-3427UCI	CLIENT NUMBER	(949) 233-8889
DATE	10/17/2019	IH NAME	Christopher Cañas

9:00pm: Omega Representative Christopher Cañas on site.
9:30pm: Checked on Pumps; they are operating as intended. Checked on work; no construction work is being done.
10:00pm: New PCM cassettes have been placed on a set of pumps. They will run continuously into the 3rd shift.
PCM cassettes are 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.
1:00am Construction activities are taking place in the first floor, 2nd floor, and 3rd floor which work includes
drywall install plus clean demo and tile install. ECG will spot abate tonight in room b55.
4:30am: Checked on Pumps; they are operating as intended. Checked on work; no issues or concerns.
5:00am: Omega Rep. now on site and will review the days scope of work with Christopher Cañas before he is relieved.
5:45am: Omega Representative Christopher Cañas reviewed project details with Omega staff and is now
leaving site. All samples collected were analyzed and sent to PM and client for review. Work area was cleared and
closed at the end of the shift.

Omega IH Signature: Christopher Cañas

Field Notes

PROJECT NAME	UCI Rowland Hall	SITE CONTACT	Susan Robb
PROJECT NUMBER	2019-3427UCI	CLIENT NUMBER	(949) 233-8889
DATE 10/18/2019		IH NAME	Heri Rodriguez

05:00- Arrived on site, Cosco is working in different levels pressure testing sprinkler lines. Omega day shift has been informed by third shift Christopher Cañas that he already conducted clearance at B55 so that the flex can be taken back inside, Omega day shift supervisor informed ECG to install a zipper at decon entry before he leaves the site today. BNB on site worker has also been informed to cover the wall opening at the NW stairwell today before he leaves, he has informed ECG and they will take care of this.
06:20- 24/7 samples and pumps replaced. Cosco and ECG are wrapping up for today, electricians and other trades will continue work at service north lab areas.
06:30-All remaining criticals in place. 1st Shift Samples, 3rd shift samples analyzed and posted
07:30-All pumps are working properly, at this time Cosco has left the site as well as ECG, Omega checked hallways in all the floors and did not see any missing ceiling tiles. Omega also walked 3rd and 5th floor hallways with UCI EH&S for a future hvac insulation replacement and stained ceiling tiles replacement.
08:45- Prevalent air sampling continues, all pumps working. Regular construction work going on at service level north side where the new labs are being built.
09:40- No change in conditions. Equipment properly working. Cabinet installation and electrical work ongoing at service level lab areas. Walked the hallways all is normal.
10:00- All pumps are working properly. No change in activities. miscellaneous work continues at service level; electrical, cabinet installation and drywall finishing.
11:30- Prevalent monitoring continues. All pumps currently working. No change in flow. Work continues in basement.
12:00- All pumps are operating properly. No changes to report, walked all floors and did not notice any ceiling tiles missing or any new debris.
13:50- All equipment is working fine at this time. No major work went on during the 1st shift in the vicinity of the sampling equipment. Electricians have left other trades continue work at service level.
14:20-Omega collected samples, will analyze and post results
15:00- End of shift-off site. All samples below 0.01 f/cc

Omega IH Signature: Heri Rodriguez

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

State of California
Division of Occupational Safety and Health

Certified Site Surveillance Technician

Jesse S Sanchez
Name

Certification No. ~~19-6481~~

Expires on ~~09/17/20~~

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.

CERTIFICATE NUMBER

32297

Certificate of Attendance

ECOLOGICS™ TRAINING INSTITUTE

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.

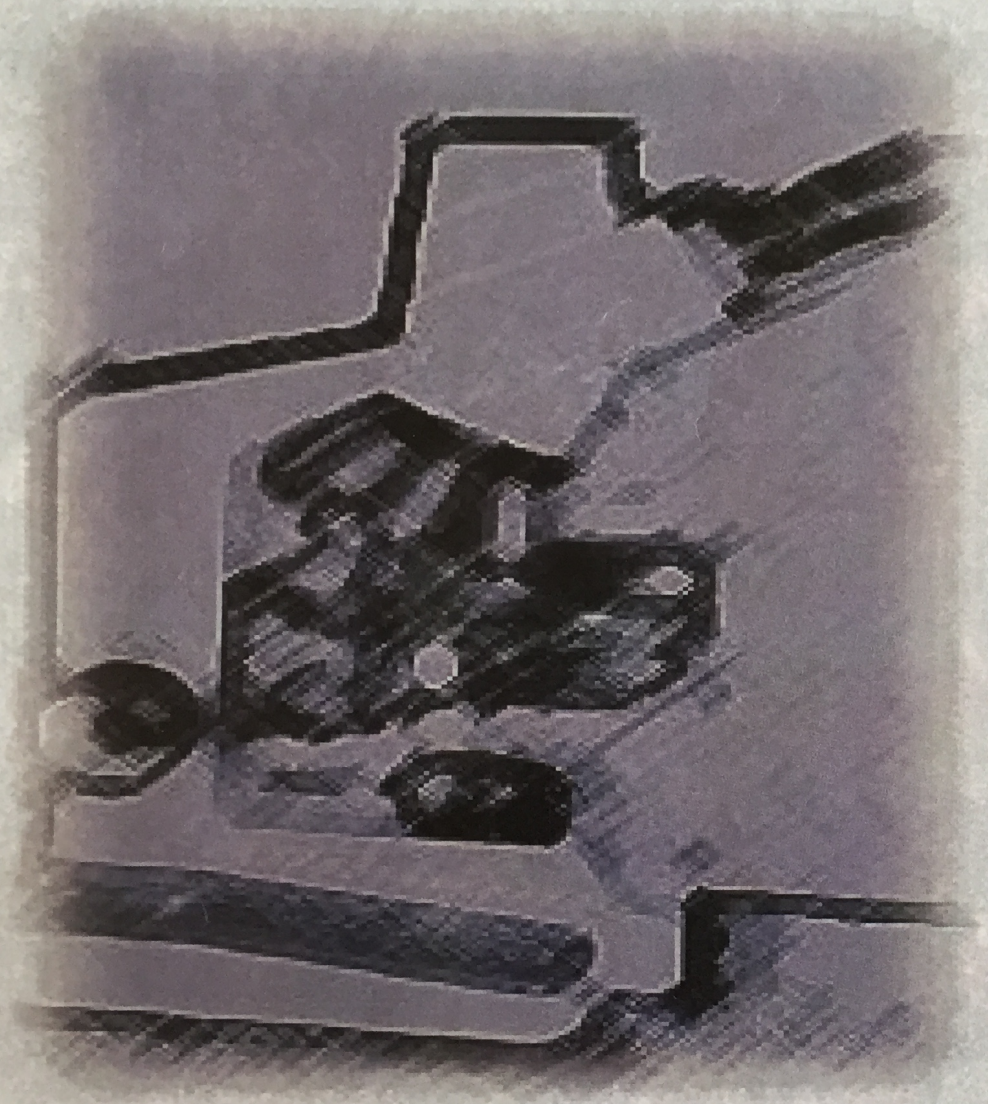
ARMANDO DUCOING
DIRECTOR

September 21, 2018	**E091718NIOSH 091718**	
COMPLETION DATE	CLASS NUMBER / STARTING DATE	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
Heri Rodriguez
Name
Certification No. 17-6020
Expires on 09/12/20
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.



Health Science Associates

certifies that

HERI RODRIGUEZ

has successfully completed an

intensive course of instruction in

SAMPLING & EVALUATING AIRBORNE

ASBESTOS DUST - N I O S H 5 8 2

given by Health Science Associates on

MARCH 8-11, 2010.

Kathy D. Jones

KATHY JONES
Training Director

Certificate No. 100192LA-03

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

Name Navid Salari

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.

Asbestos Air Monitoring Summary Report
University of California, Irvine
Rowland Hall – Service Level, Room B55
Irvine, California 92618

Project Number 2019-3388UCI
November 4, 2019

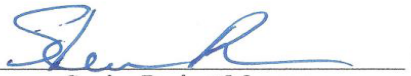
Prepared For:

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

Navid Salari
Sr. Project Manager, CAC #94-1597



Steve Rosas
Senior Project Manager

Principal, CAC #92-0284

TABLE OF CONTENTS

ATTACHMENT A

PCM Air Sample Results, Daily Notes and Inspectors' Certifications

1. EXECUTIVE SUMMARY

The following is an air monitoring summary report for the Rowland Hall, Service Level Fire Life Safety (FLS) Project. The area includes Room B55 located at the University of California, Irvine (UCI) in Irvine California. The abatement contractor scope of work consisted of the following asbestos related activities:

- Work area preparation;
- Removal of non-asbestos ceiling tiles;
- Clean-up of asbestos-containing debris on ceiling tiles and assistance during the installation of fire sprinkler system; and
- Spot removal of asbestos-containing above ceiling materials as necessary.

Project oversight and air monitoring were performed by Heri Rodriquez, a California Certified Asbestos Consultant (CAC# 17-6020) and Christopher Canas, a California Certified Site Surveillance Technician (CSST #16-5978) with Omega Environmental Services, Inc. (Omega). The above activities were performed from October 17 to October 23, 2019. The monitoring was performed at the direction of the UCI Environmental Health and Safety (EH&S) 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

Perimeter and clearance air samples were collected during and at the completion of the asbestos related activities. The purpose of the area air monitoring was to measure the airborne fiber concentrations outside the containment to determine the effectiveness of the isolation methods employed during the asbestos related activities. Clearance air samples were collected inside the work area following the completion of the asbestos related activities.

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-582[1] 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)
10/17-18/19	01	Service Level, Outside work area hallway by decontamination unit / spot abatement in B55	<0.002
10/17-18/19	02	Service level, outside work area, negative exhaust unit / spot abatement in B55	0.002
10/17-18/19	03	Service level, outside work area, hallway / spot abatement in B55	<0.002
10/17-18/19	04	Service level, inside work area / clean up	0.003

[1] NIOSH-582 or equivalent – Individual trained to analyze samples by Phase Contrast Microscopy

Date	Sample #	Sample Locations / Work Activity	Result (f/cc)
10/17-18/19	05	Service level, inside work area / clean up	0.004
10/21-22/19	01	Service level, outside work area / Pipe install by Cosco	0.003
10/21-22/19	02	Service level, outside work area / Pipe install by Cosco	<0.002
10/21-22/19	03	Service level, inside work area / Pipe install by Cosco	0.002
10/22-23/19	01	Service level, outside work area, hallway / spot abatement in B55	<0.002
10/22-23/19	02	Service level, outside work area, negative exhaust unit / spot abatement in B55	0.002
10/22-23/19	03	Service level, outside work area, hallway / clean up in B55	<0.002
10/23/19	01	Service level, inside work area, south east / final air clearance	<0.002
10/23/19	02	Service level, inside work area, east side / final air clearance	<0.002
10/23/19	03	Service level, inside work area, west center / final air clearance	<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

Project Number:	2019-3388UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	10/17/19 – 10/18/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Christopher Cañas
Date Analyzed:	10/18/19

ASBESTOS PROJECT AIR MONITORING

Sample ID: 1	Start time: 10:08pm	End time: 4:08am
Sample location: Service level, outside work area hallway by decontamination unit	Flow rate (LPM): 3.5	
	Total time: 360	Total volume: 1,260
Work activity: spot abatement in B55	No of fibers: 4	No of fields:100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 2	Start time: 10:10pm	End time: 4:10am
Sample location: Service level, outside work area negative exhaust unit	Flow rate (LPM): 3.5	
	Total time: 360	Total volume: 1,260
Work activity: spot abatement in B55	No of fibers: 6	No of fields:100
	Airborne fiber concentration (fibers/cc): 0.002	
Other comments:		

Sample ID: 3	Start time: 10:10pm	End time: 4:10am
Sample location: Service level, outside work area, hallway	Flow rate (LPM): 3.5	
	Total time: 360	Total volume: 1,260
Work activity: spot abatement in B55	No of fibers: 5	No of fields:100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 4	Start time: 2:30am	End time: 4:00am
Sample location: Service level, inside work area, room B55	Flow rate (LPM): 15	
	Total time: 90	Total volume: 1,350
Work activity: clean up	No of fibers: 7.5	No of fields:100
	Airborne fiber concentration (fibers/cc): 0.003	
Other comments:		

Sample ID: 5	Start time: 2:30am	End time: 4:00am
Sample location: Service level, inside work area, room B55	Flow rate (LPM): 15	
	Total time: 90	Total volume: 1,350
Work activity: clean up	No of fibers: 10	No of fields:100
	Airborne fiber concentration (fibers/cc): 0.004	
Other comments:		

Sample name (print)	: Christopher Cañas
Signature	: Christopher Cañas

Project Number:	2019-3388UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	10/21/19 – 10/22/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Christopher Cañas
Date Analyzed:	10/22/19

ASBESTOS PROJECT AIR MONITORING

Sample ID: 1	Start time: 10:10pm	End time: 4:10am
Sample location: Service level, outside work area hallway by decontamination unit	Flow rate (LPM): 3.5	
	Total time: 360	Total volume: 1,260
Work activity: pipe install by Cosco	No of fibers: 7	No of fields:100
	Airborne fiber concentration (fibers/cc): 0.003	
Other comments:		

Sample ID: 2	Start time: 10:10pm	End time: 4:10am
Sample location: Service level, outside work area hallway	Flow rate (LPM): 3.5	
	Total time: 360	Total volume: 1,260
Work activity: pipe install by Cosco	No of fibers: 3	No of fields:100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 3	Start time: 2:30am	End time: 4:00am
Sample location: Service level, inside work area	Flow rate (LPM): 15	
	Total time: 90	Total volume: 1,350
Work activity: pipe install by Cosco	No of fibers: 6	No of fields:100
	Airborne fiber concentration (fibers/cc): 0.002	
Other comments:		

Project Number:	2019-3388UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	10/22/19 – 10/23/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Christopher Cañas
Date Analyzed:	10/23/19

ASBESTOS PROJECT AIR MONITORING

Sample ID: 1	Start time: 10:08pm	End time: 4:08am
Sample location: Service level, outside work area, hallway by decontamination unit	Flow rate (LPM): 3.5	
	Total time: 360	Total volume: 1,260
Work activity: spot abatement in B55	No of fibers: 3.5	No of fields:100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 2	Start time: 10:10pm	End time: 4:10am
Sample location: Service level, outside work area negative exhaust unit	Flow rate (LPM): 3.5	
	Total time: 360	Total volume: 1,260
Work activity: spot abatement in B55	No of fibers: 6.5	No of fields:100
	Airborne fiber concentration (fibers/cc): 0.002	
Other comments:		

Sample ID: 3	Start time: 10:10pm	End time: 4:10am
Sample location: Service Level, outside work area, hallway	Flow rate (LPM): 3.5	
	Total time: 360	Total volume: 1,260
Work activity: Clean up in B55	No of fibers: 5	No of fields:100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Project Number:	2019-3388UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	10/23/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Heri Rodriguez
Date Analyzed:	10/23/19

Asbestos Project Air Monitoring

Sample ID: 1	Start time: 10:05	End time: 11:25
Sample location: Service level, inside work area south east	Flow rate (LPM): 15.2	
	Total time: 80	Total volume: 1,216
Work activity: Final air clearance	No of fibers: 2	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 2	Start time: 10:05	End time: 11:25
Sample location:Service level, inside work area east side	Flow rate (LPM): 15.2	
	Total time: 80	Total volume: 1,216
Work activity: Final air clearance	No of fibers: 3.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 3	Start time: 10:06	End time: 11:27
Sample location: Service level, inside work area west center	Flow rate (LPM): 15.2	
	Total time: 81	Total volume: 1231.2
Work activity: Final air clearance	No of fibers: 3	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 4	Start time: 0	End time: 0
Sample location: FIELD BLANK	Flow rate (LPM): 0	
	Total time: 0	Total volume: 0
Work activity: None	No of fibers: 0	No of fields: 100
	Airborne fiber concentration (fibers/cc): 0	
Other comments:		

Sample ID: 5	Start time: 0	End time: 0
Sample location: SEALED BLANK	Flow rate (LPM): 0	
	Total time: 0	Total volume:
Work activity: None	No of fibers: 0	No of fields: 100
	Airborne fiber concentration (fibers/cc): 0	
Other comments:		

Sample name (print)	: Heri Rodriguez
Signature	: Heri Rodriguez

Field Notes

PROJECT NAME	UCI Rowland Hall	SITE CONTACT	Susan Robb
PROJECT NUMBER	2019-3388UCI	CLIENT NUMBER	(949) 233-8889
DATE	10/17/2019	IH NAME	Christopher Cañas

9:00pm: Omega Representative Christopher Cañas on site. Today ecg will perform spot abatement in B55 during shift.
10:00pm: ECG has arrived and will begin work soon in room B55.
11:00pm: New PCM cassettes have been placed on a set of pumps. They will run continuously into the 3rd shift.
PCM cassettes are 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.
12:00am Work activities are taking place in the service floor which work includes spot abatement by ecg. They will be
using an airless for dust control along with wet wipes and proper engineering controls.
1:30am: Checked on Pumps; they are operating as intended. Checked on work; no issues or concerns.
ECG is continuing to use proper engineering controls inside work containment to minimize dust control.
2:30am: Checked on Pumps; they are operating as intended. Checked on work; no issues or concerns.
4:00am: Checked on Pumps; they are operating as intended. Checked on work; no issues or concerns.
Now removing abatement air samples to test for fiber concentration. Samples clear, ECG can close area when work
is completed. Fiber concentration is below PEL
5:00am: Omega Rep. now on site and will review the days scope of work with Christopher Cañas before he is relieved.
5:45am: Omega Representative Christopher Cañas reviewed project details with Omega staff and is now
leaving site. All samples collected were analyzed and sent to PM and client for review. Work area was cleared and
closed at the end of the shift.

Omega IH Signature: Christopher Cañas

Field Notes

PROJECT NAME	UCI Rowland Hall	SITE CONTACT	Susan Robb
PROJECT NUMBER	2019-3388UCI	CLIENT NUMBER	(949) 233-8889
DATE	10/21/2019	IH NAME	Christopher Cañas

9:00pm: Omega Representative Christopher Cañas on site. Today ecg will continue removal in B55 during shift.
10:00pm: ECG has arrived and will begin work soon in room B55.
11:00pm: New PCM cassettes have been placed on a set of pumps. They will run continuously into the 3rd shift.
PCM cassettes are 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.
12:00am Work activities are taking place in the service floor which work includes spot abatement by ecg. They will be
using an airless for dust control along with wet wipes and proper engineering controls.
1:30am: Checked on Pumps; they are operating as intended. Checked on work; no issues or concerns.
ECG is continuing to use proper engineering controls inside work containment to minimize dust control.
2:30am: Checked on Pumps; they are operating as intended. Checked on work; no issues or concerns.
4:00am: Checked on Pumps; they are operating as intended. Checked on work; no issues or concerns.
Now removing abatement air samples to test for fiber concentration. Samples clear, ECG can close area when work
is completed. Fiber concentration is below PEL
5:00am: Omega Rep. now on site and will review the days scope of work with Christopher Cañas before he is relieved.
5:45am: Omega Representative Christopher Cañas reviewed project details with Omega staff and is now
leaving site. All samples collected were analyzed and sent to PM and client for review. Work area was cleared and
closed at the end of the shift.

Omega IH Signature: Christopher Cañas

Field Notes

PROJECT NAME	UCI Rowland Hall	SITE CONTACT	Susan Robb
PROJECT NUMBER	2019-3388UCI	CLIENT NUMBER	(949) 233-8889
DATE	10/22/2019	IH NAME	Christopher Cañas

9:00pm: Omega Representative Christopher Cañas on site.
10:00pm: ECG has arrived on site and will continue work in room B55 shortly followed by cosco construction.
11:00pm: New PCM cassettes have been placed on a set of pumps. They will run continuously into the 3rd shift.
PCM cassettes are 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.
11:30am Work activities are taking place in the service floor room B55which work includes spot abatement by ecg.
They will be using an airless for dust control along with wet wipes and proper engineering controls.
12:30am: Checked on Pumps; they are operating as intended. Checked on work; no issues or concerns.
2:00am: Checked on Pumps; they are operating as intended. Checked on work; no issues or concerns.
3:30am: Checked on Pumps; they are operating as intended. Checked on work; no issues or concerns.
Now removing abatement air samples to test for fiber concentration. Samples clear, ECG can close area when work
is completed. Fiber concentration is below PEL.
5:00am: Omega Rep. now on site and will review the days scope of work with Christopher Cañas before he is relieved.
5:45am: Omega Representative Christopher Cañas reviewed project details with Omega staff and is now
leaving site. All samples collected were analyzed and sent to PM and client for review. Work area was cleared and
closed at the end of the shift.

Omega IH Signature: Christopher Cañas

Field Notes

PROJECT NAME	UCI Rowland Hall	SITE CONTACT	Susan Robb
PROJECT NUMBER	2019-3388UCI	CLIENT NUMBER	(949) 233-8889
DATE	10/23/2019	IH NAME	Christopher Cañas

9:00pm: Omega Representative Christopher Cañas on site.
10:00pm: ECG has arrived on site and will assist Cosco in construction activities, followed by a clean-up of work.
11:00pm: New PCM cassettes have been placed on a set of pumps. They will run continuously into the 3rd shift.
PCM cassettes are 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.
12:00am Work is taking place inside room B55, airless is being used for dust control as well as wet wiping plus proper
engineering controls. All workers inside containment are using PPE in coordination with work.
construction activities plus ecg tile demo and installation. Ecg will perform final spot abatement area tonight
1:30am: Checked on Pumps; they are operating as intended. Checked on work; no issues or concerns.
2:30am: Checked on Pumps; they are operating as intended. Checked on work; no issues or concerns.
4:00am: Checked on Pumps; they are operating as intended. Checked on work; no issues or concerns.
5:00am: Air samples have been analyzed for the shift and is below the PEL, ECG can close area when work for the day
has been completed.
5:00am: Omega Rep. now on site and will review the days scope of work with Christopher Cañas before he is relieved.
5:45am: Omega Representative Christopher Cañas reviewed project details with Omega staff and is now
leaving site. All samples collected were analyzed and sent to PM and client for review. Work area was cleared and
closed at the end of the shift.

Omega IH Signature: Christopher Cañas

Field Notes

PROJECT NAME	UCI Rowland Hall	SITE CONTACT	Susan Robb
PROJECT NUMBER	2019-3388UCI	CLIENT NUMBER	(949) 233-8889
DATE 10/23/2019		IH NAME	Heri Rodriguez

05:00- Arrived on site, ECG is conducting final clean up at B55 north lab section, Omega Christopher Cañas has already conducted a final visual of the south lab section
07:30- Omega on site rep. at the request of ECG conducted a final visual of the north lab section of room B55, there were small amounts of acoustic ceiling debris on top of about 4 tiles, these were hepa vacuumed. Omega documented this with pictures, the floor areas have been wiped down and hepa vacuumed, ECG starts encapsulating.
09:30- BNB has requested is asking at what time the area will be ready, UCI plumber needs to go in and fix a leak, Omega inspected the containment, encap is dry, will set up samples soon.
10:00- PCM samples set up at B55
12:00- PCM Samples for B55 Below 0.01 f/cc, Omega Rep. has notified BNB Javier So that he can inform plumber. ECG will tear down tonight.

Omega IH Signature: Heri Rodriguez

Field Notes

PROJECT NAME	UCI Rowland Hall	SITE CONTACT	Susan Robb
PROJECT NUMBER	2019-3388UCI	CLIENT NUMBER	(949) 233-8889
DATE 10/24/2019		IH NAME	Heri Rodriguez

05:00- Arrived on site, ECG has conducted final teardown and wiped down at B55.
06:00- ECG is finalizing clean up, they are replacing a few tiles that had a different pattern
07:30- ECG has completed work in room B55, items were covered while they replaced the ceiling tiles with different pattern they vacuumed and wiped any loose debris created during this work, as of today ECG is done with scope of work spot abatement. ECG/Cosco leave site.

Omega IH Signature: Heri Rodriguez

Field Notes

PROJECT NAME	UCI Rowland Hall	SITE CONTACT	Susan Robb
PROJECT NUMBER	2019-3388UCI	CLIENT NUMBER	(949) 233-8889
DATE	10/24/2019	IH NAME	Christopher Cañas

9:00pm: Omega Representative Christopher Cañas on site. ECG completed clearance earlier this morning and
will tear down and perform final cleanup.
10:00pm: ECG has arrived on site and will perform final teardown followed by clean-up (housekeeping)
11:00pm: New PCM cassettes have been placed on a set of pumps. They will run continuously into the 3rd shift.
PCM cassettes are 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.
12:00am Work activities are taking place in the service floor which work includes ECG final tear down and cleanup.
Workers are using ppe while tearing down, and wet wiping surfaces for dust mitigation.
1:30am: Checked on Pumps; they are operating as intended. Checked on work; no issues or concerns.
2:30am: Checked on Pumps; they are operating as intended. Checked on work; no issues or concerns.
4:00am: Checked on Pumps; they are operating as intended. Checked on work; no issues or concerns.
Air samples have been analyzed and are below the PEL. ECG will continue tearing down and close area when work is
completed.
5:00am: Omega Rep. now on site and will review the days scope of work with Christopher Cañas before he is relieved.
5:45am: Omega Representative Christopher Cañas reviewed project details with Omega staff and is now
leaving site. All samples collected were analyzed and sent to PM and client for review. Work area was cleared and
closed at the end of the shift.

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

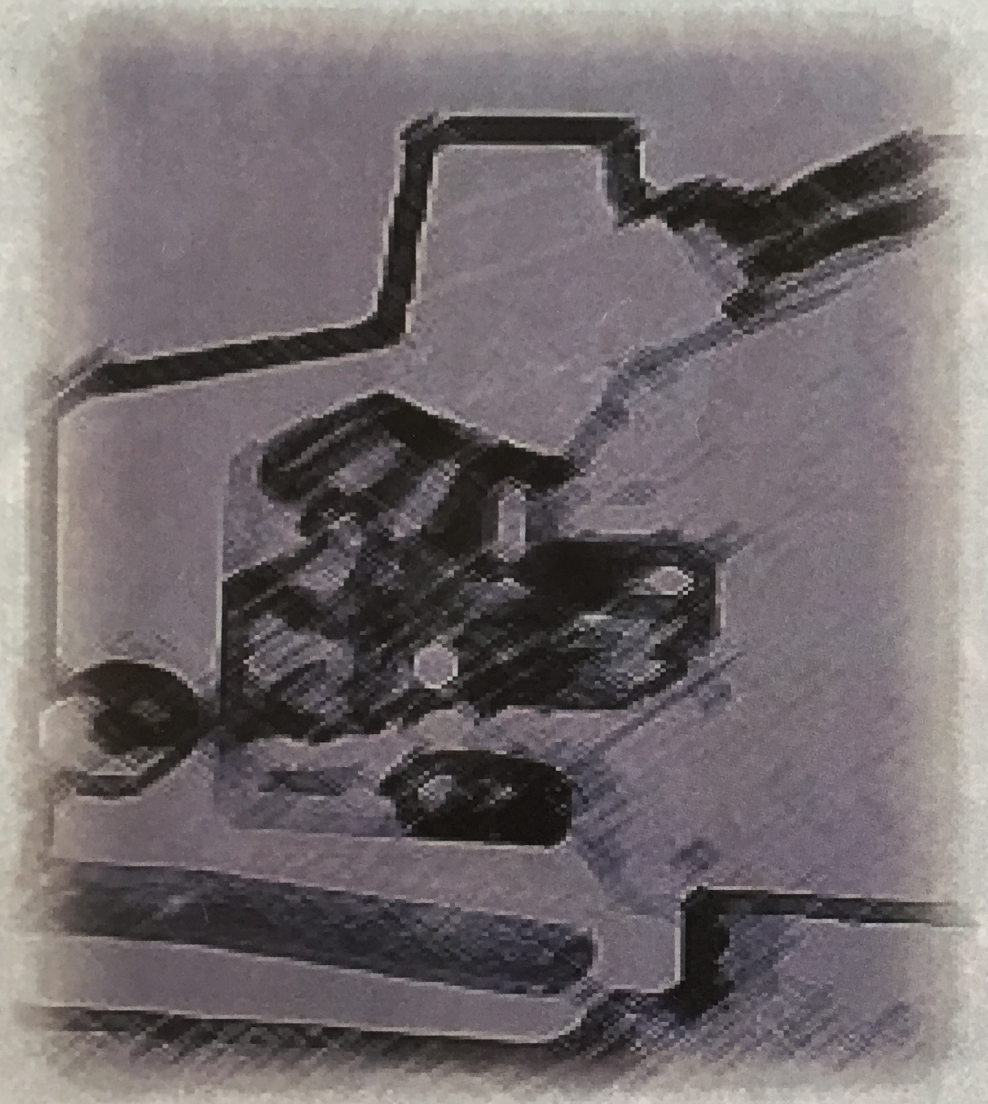
Presented By

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


State of California
Division of Occupational Safety and Health
Certified Asbestos Consultant
Heri Rodriguez
Name
Certification No. 17-6020
Expires on 09/12/20
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.



Health Science Associates

certifies that

HERI RODRIGUEZ

has successfully completed an

intensive course of instruction in

SAMPLING & EVALUATING AIRBORNE

ASBESTOS DUST - N I O S H 5 8 2

given by Health Science Associates on

MARCH 8-11, 2010.

Kathy D. Jones

KATHY JONES
Training Director

Certificate No. 100192LA-03

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

Name Navid Salari

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.

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

Project Number 2019-3427UCI
November 5, 2019

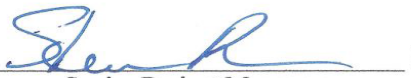
Prepared For:

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

Navid Salari
Sr. Project Manager, CAC #94-1597



Steve Rosas
Senior Project Manager

Principal, CAC #92-0284

TABLE OF CONTENTS

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 asbestos and non-asbestos construction activities throughout the subject building.

Heri Rodriquez, a California Certified Asbestos Consultant (CAC # 17-6020), Christopher Canas, a California Certified Site Surveillance Technician (CSST #16-5978) and Jesse Sanchez (CSST #19-6481) with Omega Environmental Services, Inc. (Omega) performed the air monitoring from October 21 through October 25, 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-582[1] 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)
10/21/19	1	Service floor hallway / Installing cabinets and electrical work	<0.002
10/21/19	2	1st floor hallway / None	<0.002
10/21/19	3	2nd floor hallway / None	<0.002
10/21/19	4	Service floor hallway / None	<0.002
10/21/19	5	1st floor hallway / None	<0.002
10/21/19	6	2nd floor hallway / None	<0.002
10/21-22/19	7	Service floor hallway / Pipe install in B55	<0.002
10/21-22/19	8	1st floor hallway / Cosco pressure testing sprinklers	<0.002
10/21-22/19	9	2nd floor hallway / Cosco pressure testing sprinklers	<0.002
10/22/19	1	Service floor hallway / Painting and electrical work	<0.002
10/22/19	2	1st floor hallway / None	<0.002
10/22/19	3	2nd floor hallway / None	<0.002

[1] NIOSH-582 or equivalent – Individual trained to analyze samples by Phase Contrast Microscopy

Date	Sample #	Sample Locations / Work Activity	Result (f/cc)
10/22/19	4	Service floor hallway / None	<0.002
10/22/19	5	1st floor hallway / None	<0.002
10/22/19	6	2nd floor hallway / None	<0.002
10//22-23/19	7	Service floor hallway / Pipe install	<0.002
10//22-23/19	8	1st floor hallway / Cosco pressure testing sprinkler	<0.002
10//22-23/19	9	2nd floor hallway / Cosco pressure testing sprinkler	<0.002
10/23/19	1	Service floor hallway / Painting and electrical work	<0.002
10/23/19	2	1st floor hallway / None	<0.002
10/23/19	3	2nd floor hallway / None	<0.002
10/23/19	4	Service floor hallway / None	<0.002
10/23/19	5	1st floor hallway / None	<0.002
10/23/19	6	2nd floor hallway / None	<0.002
10/23-24/19	7	Service floor hallway / ECG conducted tear down in B55	<0.002
10/23-24/19	8	1st floor hallway / Cosco pressure testing sprinkler	<0.002
10/23-24/19	9	2nd floor hallway / Cosco pressure testing sprinkler	<0.002
10/24/19	1	Service floor hallway / Painting and electrical work	<0.002
10/24/19	2	1st floor hallway / None	<0.002
10/24/19	3	2nd floor hallway / None	<0.002
10/24/19	4	Service floor hallway / None	<0.002
10/24/19	5	1st floor hallway / None	<0.002
10/24/19	6	2nd floor hallway / None	<0.002
10//24-25/19	7	Service floor hallway / Installing sprinkler	<0.002
10//24-25/19	8	1st floor hallway / Cosco pressure testing sprinkler	<0.002
10//24-25/19	9	2nd floor hallway / Cosco pressure testing sprinkler	<0.002
10//24-25/19	10	3rd floor hallway / None	<0.002
10//24-25/19	11	4th floor hallway / Installing ceiling tiles	<0.002
10//24-25/19	12	5th floor hallway / None	<0.002
10/25/19	1	Service floor hallway / Electrical work	<0.002
10/25/19	2	1st floor hallway / None	<0.002
10/25/19	3	2nd 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

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	10/21/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Jesse Sanchez
Date Analyzed:	10/21/19

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: Installing Cabinets + Electrical	No of fibers: 2	No of fields: 100
work	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 2	Start time: 0608	End time: 1408
Sample location: 1st 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: 3	Start time: 0610	End time: 1410
Sample location: 2nd Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 0.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample name (print)	: Heri Rodriguez
Signature	: Heri Rodriguez

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	10/21/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Christopher Cañas
Date Analyzed:	10/22/19

Prevalent 24/7 Air Monitoring Data 2nd Shift

Sample ID: 4	Start time: 1405	End time: 2205
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: 1408	End time: 2208
Sample location: 1st 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: 6	Start time: 1410	End time: 2210
Sample location: 2rd 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)	: Jesse Sanchez
Signature	: Jesse Sanchez

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	10/21-10/22/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Heri Rodriguez
Date Analyzed:	10/22/19

Prevalent 24/7 Air Monitoring Data 3rd Shift

Sample ID: 7	Start time: 2205	End time: 0605
Sample location: Service Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: Pipe install B55	No of fibers: 2.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 8	Start time: 2208	End time: 0608
Sample location: 1st Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: Cosco Pressure testing sprinklers	No of fibers: 3.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 9	Start time: 2210	End time: 0610
Sample location: 2nd Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: Cosco Pressure testing sprinklers	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: Sealed blank	Flow rate (LPM): *	
	Total time: *	Total volume: *
Work activity: None	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: Field blank	Flow rate (LPM): *	
	Total time: *	Total volume: *
Work activity: None	No of fibers: 0	No of fields: 100
	Airborne fiber concentration (fibers/cc): 0	
Other comments:		

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	10/22/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Jesse Sanchez
Date Analyzed:	10/22/19

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: Painting + Electrical work	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: 1st 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: 2nd 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)	: Heri Rodriguez	1
Signature	: Heri Rodriguez	

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	10/22/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Christopher Cañas
Date Analyzed:	10/23/19

Prevalent 24/7 Air Monitoring Data 2nd Shift

Sample ID: 4	Start time: 1405	End time: 2205
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: 5	Start time: 1408	End time: 2208
Sample location: 1st 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: 6	Start time: 1410	End time: 2210
Sample location: 2rd 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)	: Jesse Sanchez
Signature	: Jesse Sanchez

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	10/22-10/23/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Heri Rodriguez
Date Analyzed:	10/23/19

Prevalent 24/7 Air Monitoring Data 3rd Shift

Sample ID: 7	Start time: 2205	End time: 0605
Sample location: Service Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: Pipe install	No of fibers: 3	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 8	Start time: 2208	End time: 0608
Sample location: 1st Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: Cosco Pressure testing sprinklers	No of fibers: 2	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 9	Start time: 2210	End time: 0610
Sample location: 2nd Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: Cosco Pressure testing sprinklers	No of fibers: 2.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 10	Start time: *	End time: *
Sample location: Sealed blank	Flow rate (LPM): *	
	Total time: *	Total volume: *
Work activity: None	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: Field blank	Flow rate (LPM): *	
	Total time: *	Total volume: *
Work activity: None	No of fibers: 0	No of fields: 100
	Airborne fiber concentration (fibers/cc): 0	
Other comments:		

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	10/23/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Jesse Sanchez
Date Analyzed:	10/23/19

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: Painting + Electrical work	No of fibers: 4.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 2	Start time: 0608	End time: 1408
Sample location: 1st 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: 3	Start time: 0610	End time: 1410
Sample location: 2nd 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)	: Heri Rodriguez
Signature	: Heri Rodriguez

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	10/23/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Christopher Cañas
Date Analyzed:	10/24/19

Prevalent 24/7 Air Monitoring Data 2nd Shift

Sample ID: 4	Start time: 1405	End time: 2205
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: 1408	End time: 2208
Sample location: 1st 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: 1410	End time: 2210
Sample location: 2rd 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:		

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	10/23-10/24/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Heri Rodriguez
Date Analyzed:	10/24/19

Prevalent 24/7 Air Monitoring Data 3rd Shift

Sample ID: 7	Start time: 2205	End time: 0605
Sample location: Service Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: ECG conducted tear down in B55	No of fibers: 3.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 8	Start time: 2208	End time: 0608
Sample location: 1st Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: Cosco Pressure testing sprinklers	No of fibers: 4	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 9	Start time: 2210	End time: 0610
Sample location: 2nd Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: Cosco Pressure testing sprinklers	No of fibers: 4.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 10	Start time: *	End time: *
Sample location: Sealed blank	Flow rate (LPM): *	
	Total time: *	Total volume: *
Work activity: None	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: Field blank	Flow rate (LPM): *	
	Total time: *	Total volume: *
Work activity: None	No of fibers: 0	No of fields: 100
	Airborne fiber concentration (fibers/cc): 0	
Other comments:		

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	10/24/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Jesse Sanchez
Date Analyzed:	10/24/19

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: Painting + Electrical work	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: 1st 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: 2nd 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)	: Heri Rodriguez
Signature	: Heri Rodriguez

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	10/24/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Christopher Cañas
Date Analyzed:	10/25/19

Prevalent 24/7 Air Monitoring Data 2nd Shift

Sample ID: 4	Start time: 1405	End time: 2205
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: 5	Start time: 1408	End time: 2208
Sample location: 1st 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: 6	Start time: 1410	End time: 2210
Sample location: 2rd 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)	: Jesse Sanchez
Signature	: Jesse Sanchez

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	10/24-10/25/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Jesse Sanchez
Date Analyzed:	10/25/19

Prevalent 24/7 Air Monitoring Data 3rd Shift

Sample ID: 7	Start time: 2205	End time: 0605
Sample location: Service Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: Installing Sprinkler	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: 1st Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: Cosco Pressure testing sprinklers	No of fibers: 1	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 9	Start time: 2210	End time: 0610
Sample location: 2nd Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: Cosco Pressure testing sprinklers	No of fibers: 4	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 10	Start time: 2212	End time: 0612
Sample location: 3rd floor hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 0.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 11	Start time: 2214	End time: 0614
Sample location: 4th floor hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: Installing ceiling tiles	No of fibers: 3	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	10/24-10/25/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Christopher Cañas
Date Analyzed:	10/25/19

Sample ID: 12	Start time: 2216	End time: 0616
Sample location: 5th 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: 13	Start time: *	End time: *
Sample location: Field blank	Flow rate (LPM): *	
	Total time: *	Total volume: *
Work activity: None	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: None	No of fibers: 0	No of fields: 100
	Airborne fiber concentration (fibers/cc): 0	
Other comments:		

Sample name (print)	: Jesse Sanchez
Signature	: Jesse Sanchez

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	10/25/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Jesse Sanchez
Date Analyzed:	10/25/19

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: Electrical work	No of fibers: 1.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 2	Start time: 0608	End time: 1408
Sample location: 1st 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: 2nd 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)	: Jesse Sanchez	1
Signature	: Jesse Sanchez	

Field Notes

PROJECT NAME	UCI Rowland Hall	SITE CONTACT	Susan Robb
PROJECT NUMBER	2019-3427UCI	CLIENT NUMBER	(949) 233-8889
DATE 10/21/2019		IH NAME	Heri Rodriguez

05:00- Arrived on site started preparing equipment for today's 24/7 Monitoring
06:15- 24/7 samples and pumps installed at usual locations, Electricians working at north end of service area hallway.
06:30-Electrical work continues at service area labs
07:30-All pumps are working properly, criticals at stairwells in good conditions.
08:45- Prevalent air sampling continues, all pumps working. Regular construction work going on at service level north side where the new labs are being built.
09:40- No change in conditions. Equipment properly working. Cabinet installation and electrical work ongoing at service level lab areas. Walked the hallways, all is normal.
10:30- All pumps are working properly. No change in activities. Electrical and cabinet work continues at service level.
11:30- Prevalent monitoring continues. All pumps currently working. No change in flow. Work continues in basement.
12:00- All pumps are operating properly. Walked all floors and did not notice any ceiling tiles missing or any new debris.
13:00- All equipment is working fine at this time. No major work went on during the 1st shift in the vicinity of the sampling equipment. Omega second shift on site.

Omega IH Signature: Heri Rodriguez

Omega Environmental Services, Inc.

Daily Field Log

4570 Campus Drive, Suite 30
Newport Beach, California 92660
Phone: (949) 252-2145, Fax: (949) 252-2148

Project Number: 2019-3427UCI	Date: 10/21/2019
Project Name: Rowland Hall 24/7	Omega Representative: Jesse Sanchez
Project Address: Rowland Hall UCI Irvine, CA	
Client Contact:	
Client Phone #:	

TIME AND ACTIVITY

1300	**At this time Omega Jesse arrives on-site to start 1 p.m. shift. Omega Heri Rodriquez is relieved from site, Scope**
	Of work: Work will consist of installing cabinets + electrical work.
1405	**Omega demobilize PCM air cassettes that have been set up on the service, 1st and 2nd floor. Omega will be**
	Analyzing PCM samples on-site + new batch of samples have been set up.
1500	**At this time Omega walks the site to check on any activities + air samples.**
1600	**No work or issues to report at this time, staff + students continue to roam throughout the Halls and classrooms.**
1700	**Low flow air samples continue to flow at 2.5 LPM.**
1800	**No issues to report at this time.**
1900	**No work or issues to report at this time, staff + students continue to roam throughout the Halls and classrooms.**
2000	**Omega walks the job site to check on the samples + any activities.**
2100	**At this time Omega Jesse is relieved from site, Omega Chris Canas is on site for 9 pm shift.**

Omega Site Representative Signature: Jesse Sanchez	Date: 10/21/19

Field Notes

PROJECT NAME	UCI Rowland Hall	SITE CONTACT	Susan Robb
PROJECT NUMBER	2019-3427UCI	CLIENT NUMBER	(949) 233-8889
DATE	10/21/2019	IH NAME	Christopher Cañas

9:00pm: Omega Representative Christopher Cañas on site. Today ecg will continue removal in B55 during shift.
10:00pm: Checked on Pumps; they are operating as intended. Checked on work; no construction work is being done.
11:00pm: New PCM cassettes have been placed on a set of pumps. They will run continuously into the 3rd shift.
PCM cassettes are 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.
12:00am Work activities are taking place in the service floor which work includes spot abatement and cosco
construction activities plus ecg tile demo and installation.
1:30am: Checked on Pumps; they are operating as intended. Checked on work; no issues or concerns.
2:30am: Checked on Pumps; they are operating as intended. Checked on work; no issues or concerns.
4:00am: Checked on Pumps; they are operating as intended. Checked on work; no issues or concerns.
Now removing abatement air samples to test for fiber concentration.
5:00am: Omega Rep. now on site and will review the days scope of work with Christopher Cañas before he is relieved.
5:45am: Omega Representative Christopher Cañas reviewed project details with Omega staff and is now
leaving site. All samples collected were analyzed and sent to PM and client for review. Work area was cleared and
closed at the end of the shift.

Omega IH Signature: Christopher Cañas

Field Notes

PROJECT NAME	UCI Rowland Hall	SITE CONTACT	Susan Robb
PROJECT NUMBER	2019-3427UCI	CLIENT NUMBER	(949) 233-8889
DATE 10/22/2019		IH NAME	Heri Rodriguez

05:00- Arrived on site, Currently Cosco is working in different areas on the sprinkler system.
06:15- 24/7 3rd shift samples collected Electricians and painters working at north end of service area hallway in new lab areas.
06:30-Electrical and paint work continues at service area labs, Omega observed a ceiling opening at NW stairwell area, Omega reported this finding to PM Navid Salari who will notify BNB so that it can be covered with plastic.
07:30-All pumps are working properly, criticals at stairwells in good conditions.
08:45- Prevalent air sampling continues, all pumps working. Regular construction work going on at service level north side where the new labs are being built.
09:40- No change in conditions. Equipment properly working. Painting and electrical work ongoing at service level lab areas. Walked the hallways, all is normal.
10:30- All pumps are working properly. No change in activities. Electrical and painting work continues at service level.
11:30- Prevalent monitoring continues. All pumps currently working. No change in flow. Work continues in service level , painting and electrical.
12:00- All pumps are operating properly. Walked all floors and did not notice any ceiling tiles missing or any new debris.
13:00- All equipment is working fine at this time. No major work went on during the 1st shift in the vicinity of the sampling equipment. Omega second shift on site, Only electrical and painting at service level.

Omega IH Signature: Heri Rodriguez

Omega Environmental Services, Inc.

Daily Field Log

4570 Campus Drive, Suite 30
Newport Beach, California 92660
Phone: (949) 252-2145, Fax: (949) 252-2148

Project Number: 2019-3427UCI	Date: 10/22/2019
Project Name: Rowland Hall 24/7	Omega Representative: Jesse Sanchez
Project Address: Rowland Hall UCI Irvine, CA	
Client Contact:	
Client Phone #:	

TIME AND ACTIVITY

1300	**At this time Omega Jesse arrives on-site to start 1 p.m. shift. Omega Heri Rodriquez is relieved from site, Scope**
	Of work: Work will consist of painting + electrical work.
1405	**Omega demobilize PCM air cassettes that have been set up on the service, 1st and 2nd floor. Omega will be**
	Analyzing PCM samples on-site + new batch of samples have been set up.
1500	**At this time Omega walks the site to check on any activities + air samples.**
1600	**No work or issues to report at this time, staff + students continue to roam throughout the Halls and classrooms.**
1700	**Low flow air samples continue to flow at 2.5 LPM.**
1800	**No issues to report at this time.**
1900	**No work or issues to report at this time, staff + students continue to roam throughout the Halls and classrooms.**
2000	**Omega walks the job site to check on the samples + any activities.**
2100	**At this time Omega Jesse is relieved from site, Omega Chris Canas is on site for 9 pm shift.**

Omega Site Representative Signature: Jesse Sanchez	Date: 10/22/19

Field Notes

PROJECT NAME	UCI Rowland Hall	SITE CONTACT	Susan Robb
PROJECT NUMBER	2019-3427UCI	CLIENT NUMBER	(949) 233-8889
DATE	10/22/2019	IH NAME	Christopher Cañas

9:00pm: Omega Representative Christopher Cañas on site.
10:00pm: Checked on Pumps; they are operating as intended. Checked on work; no construction work is being done.
11:00pm: New PCM cassettes have been placed on a set of pumps. They will run continuously into the 3rd shift.
PCM cassettes are 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.
12:00am Work activities are taking place in the service floor which work includes cosco
construction activities plus ecg tile demo and installation. No spot abatement tonight
1:30am: Checked on Pumps; they are operating as intended. Checked on work; no issues or concerns.
2:30am: Checked on Pumps; they are operating as intended. Checked on work; no issues or concerns.
4:00am: Checked on Pumps; they are operating as intended. Checked on work; no issues or concerns.
Now removing air samples to test for fiber concentration.
5:00am: Omega Rep. now on site and will review the days scope of work with Christopher Cañas before he is relieved.
5:45am: Omega Representative Christopher Cañas reviewed project details with Omega staff and is now
leaving site. All samples collected were analyzed and sent to PM and client for review. Work area was cleared and
closed at the end of the shift.

Omega IH Signature: Christopher Cañas

Field Notes

PROJECT NAME	UCI Rowland Hall	SITE CONTACT	Susan Robb
PROJECT NUMBER	2019-3427UCI	CLIENT NUMBER	(949) 233-8889
DATE 10/23/2019		IH NAME	Heri Rodriguez

05:00- Arrived on site, ECG is conducting final clean up at B55 and Currently Cosco is working in different areas on the sprinkler system.
06:15- 24/7 3rd shift samples collected Electricians and painters working at north end of service area hallway in new lab areas. Cosco cleaning up work areas.
06:30-Electrical and paint work continues at service area labs, Omega Rep. talked to BNB Rep. Javier and asked him when they will cover the ceiling opening at the service area NW stairwell, he said that they will not cover it as they will have final inspection soon.
07:30-All pumps are working properly, criticals at stairwells in good conditions, ECG has completed work at service level B55. Cosco and ECG Off site.
08:45- Prevalent air sampling continues, all pumps working. Regular construction work going on at service level north side where the new labs are being built.
09:40- No change in conditions. Equipment properly working. electrical work ongoing at service level lab areas. Walked the hallways, all is normal.
10:00- All pumps are working properly. No change in activities. Electrical and painting work continues at service level.
11:30- Prevalent monitoring continues. All pumps currently working. No change in flow. Work continues in service level, painting and electrical.
12:00- All pumps are operating properly. Walked all floors and did not notice any ceiling tiles missing or any new debris.
13:00- All equipment is working fine at this time. No major work went on during the 1st shift in the vicinity of the sampling equipment. Omega second shift on site, Only electrical and painting at service level.

Omega IH Signature: Heri Rodriguez

Omega Environmental Services, Inc.

Daily Field Log

4570 Campus Drive, Suite 30
Newport Beach, California 92660
Phone: (949) 252-2145, Fax: (949) 252-2148

Project Number: 2019-3427UCI	Date: 10/23/2019
Project Name: Rowland Hall 24/7	Omega Representative: Jesse Sanchez
Project Address: Rowland Hall UCI Irvine, CA	
Client Contact:	
Client Phone #:	

TIME AND ACTIVITY

1300	**At this time Omega Jesse arrives on-site to start 1 p.m. shift. Omega Heri Rodriquez is relieved from site, Scope**
	Of work: Work will consist of painting + electrical work.
1405	**Omega demobilize PCM air cassettes that have been set up on the service, 1st and 2nd floor. Omega will be**
	Analyzing PCM samples on-site + new batch of samples have been set up.
1500	**At this time Omega walks the site to check on any activities + air samples.**
1600	**No work or issues to report at this time, staff + students continue to roam throughout the Halls and classrooms.**
1700	**Low flow air samples continue to flow at 2.5 LPM.**
1800	**No issues to report at this time.**
1900	**No work or issues to report at this time, staff + students continue to roam throughout the Halls and classrooms.**
2000	**Omega walks the job site to check on the samples + any activities.**
2100	**At this time Omega Jesse is relieved from site, Omega Chris Canas is on site for 9 pm shift.**

Omega Site Representative Signature: Jesse Sanchez	Date: 10/23/19

Field Notes

PROJECT NAME	UCI Rowland Hall	SITE CONTACT	Susan Robb
PROJECT NUMBER	2019-3427UCI	CLIENT NUMBER	(949) 233-8889
DATE	10/23/2019	IH NAME	Christopher Cañas

9:00pm: Omega Representative Christopher Cañas on site.
10:00pm: Checked on Pumps; they are operating as intended. Checked on work; no construction work is being done.
11:00pm: New PCM cassettes have been placed on a set of pumps. They will run continuously into the 3rd shift.
PCM cassettes are 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.
12:00am Work activities are taking place in the service floor which work includes cosco
construction activities plus ecg tile demo and installation. Ecg will perform final spot abatement area tonight
1:30am: Checked on Pumps; they are operating as intended. Checked on work; no issues or concerns.
2:30am: Checked on Pumps; they are operating as intended. Checked on work; no issues or concerns.
4:00am: Checked on Pumps; they are operating as intended. Checked on work; no issues or concerns.
Now removing air samples to test for fiber concentration.
5:00am: Omega Rep. now on site and will review the days scope of work with Christopher Cañas before he is relieved.
5:45am: Omega Representative Christopher Cañas reviewed project details with Omega staff and is now
leaving site. All samples collected were analyzed and sent to PM and client for review. Work area was cleared and
closed at the end of the shift.

Omega IH Signature: Christopher Cañas

Field Notes

PROJECT NAME	UCI Rowland Hall	SITE CONTACT	Susan Robb
PROJECT NUMBER	2019-3427UCI	CLIENT NUMBER	(949) 233-8889
DATE 10/24/2019		IH NAME	Heri Rodriguez

05:00- Arrived on site, ECG Working at B55 and Currently Cosco is working in different areas on the sprinkler system.
06:15- 24/7 3rd shift samples collected Electricians working at north end of service area hallway in new lab areas. Cosco cleaning up work areas.
06:30-Electrical work continues at service area labs. ECG wrapping up for today
07:30-All pumps are working properly, criticals at stairwells in good conditions, ECG has completed work at service level B55. Cosco and ECG Off site. 3rd shift samples analyzed and posted.
08:45- Prevalent air sampling continues, all pumps working. Regular construction work going on at service level north side where the new labs are being built also as per BNB day worker Cosco will have inspection today for sprinkler leaks, Omega observed ceiling tiles at service level by restroom have been moved out of place for this purpose.
09:40- No change in conditions. Equipment properly working. Electrical and other construction work ongoing at service level lab areas. Walked the hallways, all is normal there are small amounts of ceiling tiles debris at service level hallway that need to be cleaned up.
10:00- All pumps are working properly. No change in activities. Electrical work continues at service level.
11:30- Prevalent monitoring continues. All pumps currently working. No change in flow. Work continues in service level, electrical.
12:00- All pumps are operating properly. Walked all floors and did not notice any ceiling tiles missing or any new debris.
13:00- All equipment is working fine at this time. No major work went on during the 1st shift in the vicinity of the sampling equipment. Omega second shift on site, electrical and miscellaneous work took place at service level.

Omega IH Signature: Heri Rodriguez

Omega Environmental Services, Inc.

Daily Field Log

4570 Campus Drive, Suite 30
Newport Beach, California 92660
Phone: (949) 252-2145, Fax: (949) 252-2148

Project Number: 2019-3427UCI	Date: 10/24/2019
Project Name: Rowland Hall 24/7	Omega Representative: Jesse Sanchez
Project Address: Rowland Hall UCI Irvine, CA	
Client Contact:	
Client Phone #:	

TIME AND ACTIVITY

1300	**At this time Omega Jesse arrives on-site to start 1 p.m. shift. Omega Heri Rodriquez is relieved from site, Scope**
	Of work: Work will consist of painting + electrical work.
1405	**Omega demobilize PCM air cassettes that have been set up on the service, 1st and 2nd floor. Omega will be**
	Analyzing PCM samples on-site + new batch of samples have been set up.
1500	**At this time Omega walks the site to check on any activities + air samples.**
1600	**No work or issues to report at this time, staff + students continue to roam throughout the Halls and classrooms.**
1700	**Low flow air samples continue to flow at 2.5 LPM.**
1800	**No issues to report at this time.**
1900	**No work or issues to report at this time, staff + students continue to roam throughout the Halls and classrooms.**
2000	**Omega walks the job site to check on the samples + any activities.**
2100	**At this time Omega Jesse is relieved from site, Omega Chris Canas is on site for 9 pm shift.**

Omega Site Representative Signature: Jesse Sanchez	Date: 10/24/19

Field Notes

PROJECT NAME	UCI Rowland Hall	SITE CONTACT	Susan Robb
PROJECT NUMBER	2019-3427UCI	CLIENT NUMBER	(949) 233-8889
DATE	10/24/2019	IH NAME	Christopher Cañas

9:00pm: Omega Representative Christopher Cañas on site. ECG completed clearance earlier this morning and
will tear down and perform final cleanup.
10:00pm: Checked on Pumps; they are operating as intended. Checked on work; no construction work is being done.
11:00pm: New PCM cassettes have been placed on a set of pumps. They will run continuously into the 3rd shift.
PCM cassettes are 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.
12:00am Work activities are taking place in the service floor which work includes ECG final tear down and cleanup.
1:30am: Checked on Pumps; they are operating as intended. Checked on work; no issues or concerns.
2:30am: Checked on Pumps; they are operating as intended. Checked on work; no issues or concerns.
4:00am: Checked on Pumps; they are operating as intended. Checked on work; no issues or concerns.
Now removing air samples to test for fiber concentration.
5:00am: Omega Rep. now on site and will review the days scope of work with Christopher Cañas before he is relieved.
5:45am: Omega Representative Christopher Cañas reviewed project details with Omega staff and is now
leaving site. All samples collected were analyzed and sent to PM and client for review. Work area was cleared and
closed at the end of the shift.

Omega IH Signature: Christopher Cañas

Omega Environmental Services, Inc.

Daily Field Log

4570 Campus Drive, Suite 30
Newport Beach, California 92660
Phone: (949) 252-2145, Fax: (949) 252-2148

Project Number: 2019-3427UCI	Date: 10/25/2019
Project Name: Rowland Hall 24/7	Omega Representative: Jesse Sanchez
Project Address: Rowland Hall UCI Irvine, CA	
Client Contact:	
Client Phone #:	

TIME AND ACTIVITY

0500	**At this time Omega Jesse arrives on-site to start 5 am shift. Omega Chris Canas is relieved from site, Scope**
	Of work: Work will consist of electrical work on the service floor.
0605	**Omega demobilize PCM air cassettes that have been set up by Chris Canas, Omega will be analyzing PCM**
	samples on-site + new batch of samples have been set up.
0700	**At this time Omega sends PCM results to UCI Reps. + Omega Rep. Navid Salari.**
0800	**No issues to report at this time, staff + students continue to roam throughout the Halls and classrooms.**
0900	**Low flow air samples continue to flow at 2.5 LPM.**
1000	**No issues to report at this time.**
1100	**Work continues to move forward, staff + students continue to roam throughout the Halls and classrooms.**
1200	**Omega walks the job site to check on the samples + any activities.**
1300	**Low flow air samples continue to flow at 2.5 LPM.**
1405	**No issues to report, Omega Jesse begin to demobilize PCM air samples to be analyzed on-site.**
1500	**At this time Omega sends PCM results to UCI Reps. + Omega Rep. Navid Salari, Omega off site.**

Omega Site Representative Signature: Jesse Sanchez	Date: 10/25/19

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

State of California
Division of Occupational Safety and Health

Certified Site Surveillance Technician

Jesse S Sanchez
Name

Certification No. ~~19-6481~~

Expires on ~~09/17/20~~

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.

CERTIFICATE NUMBER

32297

Certificate of Attendance

ECOLOGICS™ TRAINING INSTITUTE

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.

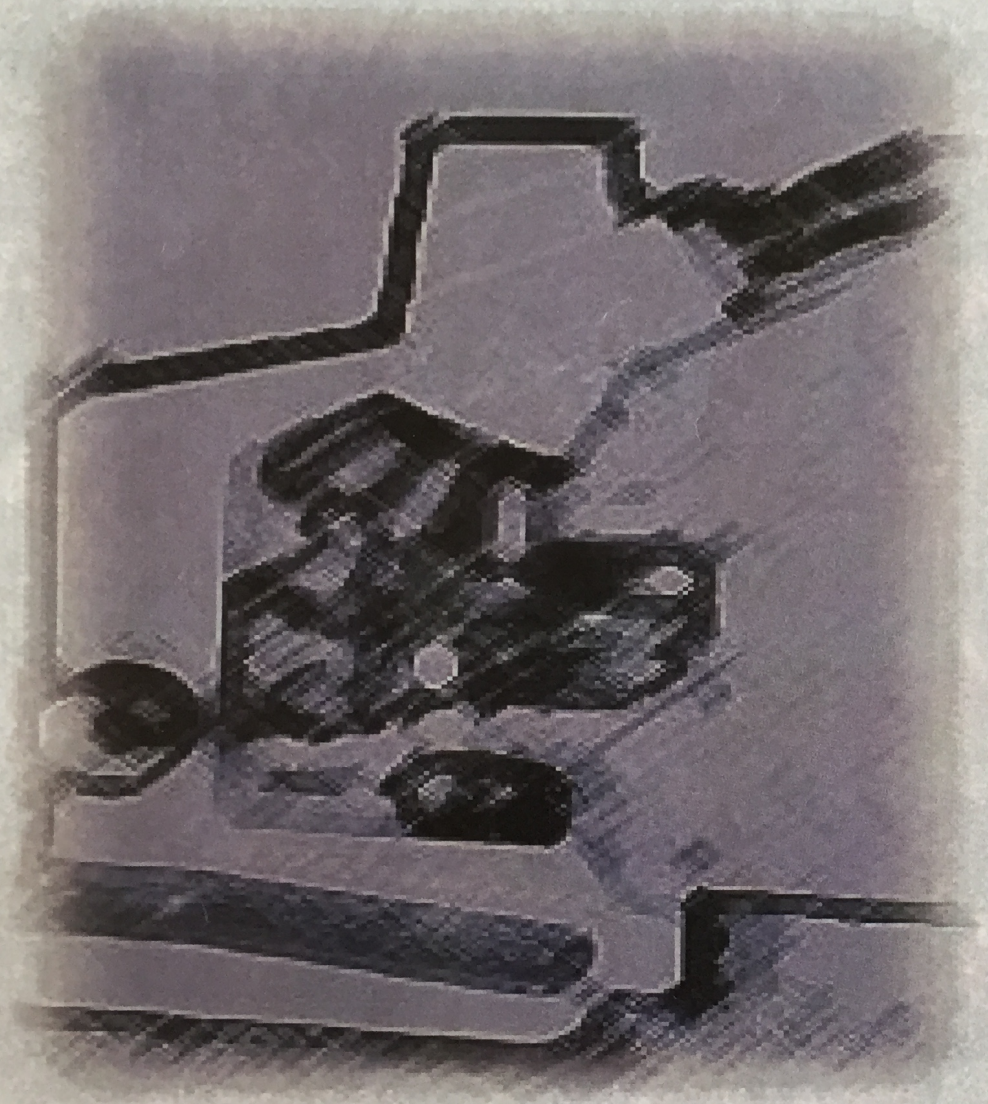
ARMANDO DUCOING
DIRECTOR

September 21, 2018	**E091718NIOSH 091718**	
COMPLETION DATE	CLASS NUMBER / STARTING DATE	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
Heri Rodriguez
Name
Certification No. 17-6020
Expires on 09/12/20
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.



Health Science Associates

certifies that

HERI RODRIGUEZ

has successfully completed an

intensive course of instruction in

SAMPLING & EVALUATING AIRBORNE

ASBESTOS DUST - N I O S H 5 8 2

given by Health Science Associates on

MARCH 8-11, 2010.

Kathy D. Jones

KATHY JONES
Training Director

Certificate No. 100192LA-03

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

Name Navid Salari

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.

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

Project Number 2019-3427UCI
November 20, 2019

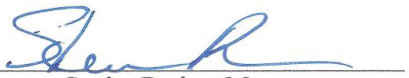
Prepared For:

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

Navid Salari
Sr. Project Manager, CAC #94-1597



Steve Rosas
Senior Project Manager

Principal, CAC #92-0284

TABLE OF CONTENTS

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 asbestos and non-asbestos construction activities throughout the subject building.

Christopher Canas, a California Certified Site Surveillance Technician (CSST #16-5978), Jesse Sanchez (CSST #19-6481) and Zach Rosas, an EPA-AHERA[1] Building Inspector and Contractor Supervisor, with Omega Environmental Services, Inc. (Omega) performed the air monitoring from October 28 through November 1, 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-582[2] 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)
10/28/19	1	Service floor hallway / Sprinklers installation and painting	<0.002
10/28/19	2	1st floor hallway / None	<0.002
10/28/19	3	2nd floor hallway / None	<0.002
10/28/19	4	Service floor hallway / None	<0.002
10/28/19	5	1st floor hallway / None	<0.002
10/28/19	6	2nd floor hallway / None	<0.002
10/28-29/19	7	Service floor hallway / None	<0.002
10/28-29/19	8	1st floor hallway / None	<0.002
10/28-29/19	9	2nd floor hallway / None	<0.002
10/29/19	1	Service floor hallway / Sprinklers system testing	<0.002
10/29/19	2	1st floor hallway / Sprinklers system testing	<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)
10/29/19	3	2nd floor hallway / Sprinklers system testing	<0.002
10/29/19	4	3rd floor hallway / Sprinklers system testing	<0.002
10/29/19	5	4th floor hallway / Sprinklers system testing	<0.002
10/29/19	6	5th floor hallway / Sprinklers system testing	<0.002
10/29/19	7	Service floor hallway / None	<0.002
10/29/19	8	1st floor hallway / None	<0.002
10/29/19	9	2nd floor hallway / None	<0.002
10//29-30/19	10	Service floor hallway / None	<0.002
10//29-30/19	11	1st floor hallway / None	<0.002
10//29-30/19	12	2nd floor hallway / None	<0.002
10/30/19	1	Service floor hallway / Floor tile replacement	<0.002
10/30/19	2	1st floor hallway / Sprinklers system testing	<0.002
10/30/19	3	2nd floor hallway / None	<0.002
10/30/19	4	Service floor hallway / None	<0.002
10/30/19	5	1st floor hallway / None	<0.002
10/30/19	6	2nd floor hallway / None	<0.002
10/30-31/19	7	Service floor hallway / None	<0.002
10/30-31/19	8	1st floor hallway / None	<0.002
10/30-31/19	9	2nd floor hallway / None	<0.002
10/31/19	1	Service floor hallway / Electrical installation	<0.002
10/31/19	2	1st floor hallway / Sprinklers system testing	<0.002
10/31/19	3	2nd floor hallway / None	<0.002
10/31/19	4	Service floor hallway / None	<0.002
10/31/19	5	1st floor hallway / None	<0.002
10/31/19	6	2nd floor hallway / None	<0.002
10//31- 11/01/19	7	Service floor hallway / None	<0.002
10//31- 11/01/19	8	1st floor hallway / None	<0.002
10//31- 11/01/19	9	2nd floor hallway / None	<0.002
11/01/19	1	Service floor hallway / Electrical work and installing pipes	<0.002
11/01/19	2	1st floor hallway / None	<0.002
11/01/19	3	2nd 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

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	10/28/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Jesse Sanchez
Date Analyzed:	10/28/19

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: Sprinklers installation + painting	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: 1st 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: 3	Start time: 0610	End time: 1410
Sample location: 2nd 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)	: Heri Rodriguez
Signature	: Heri Rodriguez

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	10/28/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Christopher Cañas
Date Analyzed:	10/29/19

Prevalent 24/7 Air Monitoring Data 2nd Shift

Sample ID: 4	Start time: 1405	End time: 2205
Sample location: Service Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 0.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 5	Start time: 1408	End time: 2208
Sample location: 1st 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: 6	Start time: 1410	End time: 2210
Sample location: 2rd 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 name (print)	: Jesse Sanchez
Signature	: Jesse Sanchez

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	10/28-10/29/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Jesse Sanchez
Date Analyzed:	10/29/19

Prevalent 24/7 Air Monitoring Data 3rd Shift

Sample ID: 7	Start time: 2205	End time: 0605
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: 8	Start time: 2208	End time: 0608
Sample location: 1st 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: 2210	End time: 0610
Sample location: 2nd 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: None	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: None	No of fibers: 0	No of fields: 100
	Airborne fiber concentration (fibers/cc): 0	
Other comments:		

Sample name (print)	: Christopher Cañas
Signature	: Christopher Cañas

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	10/29/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Zachary Rosas
Date Analyzed:	10/29/19

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: Sprinklers system testing	No of fibers: 3.0	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 2	Start time: 0608	End time: 1408
Sample location: 1st Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: Sprinklers system testing	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: 2nd Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: Sprinklers system testing	No of fibers: 1.0	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 4	Start time: 0612	End time: 1412
Sample location: 3rd Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: Sprinklers system testing	No of fibers: 2.0	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 5	Start time: 0614	End time: 1414
Sample location: 4th Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: Sprinklers system testing	No of fibers: 4.0	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample name (print)	: Jesse Sanchez	1
Signature	: Jesse Sanchez	

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	10/29/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Zachary Rosas
Date Analyzed:	10/29/19

Sample ID: 6	Start time: 0615	End time: 1415
Sample location: 5th Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: Sprinklers system testing	No of fibers: 1.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample name (print)	:Jesse Sanchez
Signature	: Jesse Sanchez

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	10/29/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Christopher Cañas
Date Analyzed:	10/30/19

Prevalent 24/7 Air Monitoring Data 2nd Shift

Sample ID: 7	Start time: 1405	End time: 2205
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: 8	Start time: 1408	End time: 2208
Sample location: 1st 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: 9	Start time: 1410	End time: 2210
Sample location: 2rd 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:		

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	10/29-30/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Navid Salari
Date Analyzed:	10/30/19

Prevalent 24/7 Air Monitoring Data 3rd Shift

Sample ID: 10	Start time: 2205	End time: 0605
Sample location: Service 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: 11	Start time: 2208	End time: 0608
Sample location: 1st 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: 12	Start time: 2210	End time: 0610
Sample location: 2nd 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: 13	Start time: *	End time: *
Sample location: Field blank	Flow rate (LPM): *	
	Total time: *	Total volume: *
Work activity: None	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: None	No of fibers: 0	No of fields: 100
	Airborne fiber concentration (fibers/cc): 0	
Other comments:		

Sample name (print)	: Christopher Cañas	4
Signature	: Christopher Cañas	

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	10/30/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Zachary Rosas
Date Analyzed:	10/30/19

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: Construction work - Floor tile	No of fibers: 3.5	No of fields: 100
replacement	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 2	Start time: 0608	End time: 1408
Sample location: 1st Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: Sprinklers system testing	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: 2nd 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)	: Navid Salari	1
Signature	: Navid Salari	

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	10/30/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Christopher Cañas
Date Analyzed:	10/30/19

Prevalent 24/7 Air Monitoring Data 2nd Shift

Sample ID: 4	Start time: 1405	End time: 2205
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: 1408	End time: 2208
Sample location: 1st 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: 6	Start time: 1410	End time: 2210
Sample location: 2rd 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:		

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	10/30-31/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Jesse Sanchez
Date Analyzed:	10/31/19

Prevalent 24/7 Air Monitoring Data 3rd Shift

Sample ID: 7	Start time: 2205	End time: 0605
Sample location: Service 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: 8	Start time: 2208	End time: 0608
Sample location: 1st 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: 9	Start time: 2210	End time: 0610
Sample location: 2nd 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: 10	Start time: *	End time: *
Sample location: Field blank	Flow rate (LPM): *	
	Total time: *	Total volume: *
Work activity: None	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: None	No of fibers: 0	No of fields: 100
	Airborne fiber concentration (fibers/cc): 0	
Other comments:		

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	10/31/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Zachary Rosas
Date Analyzed:	10/31/19

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: Electrical installation	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: 1st Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: Sprinklers system testing	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: 2nd 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)	: Jesse Sanchez	1
Signature	: Jesse Sanchez	

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	10/31/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Christopher Cañas
Date Analyzed:	10/31/19

Prevalent 24/7 Air Monitoring Data 2nd Shift

Sample ID: 4	Start time: 1405	End time: 2205
Sample location: Service Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 0.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 5	Start time: 1408	End time: 2208
Sample location: 1st 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: 6	Start time: 1410	End time: 2210
Sample location: 2rd 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:		

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	10/31- 11/1/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Jesse Sanchez
Date Analyzed:	11/1/19

Prevalent 24/7 Air Monitoring Data 3rd Shift

Sample ID: 7	Start time: 2205	End time: 0605
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: 8	Start time: 2208	End time: 0608
Sample location: 1st 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: 2210	End time: 0610
Sample location: 2nd 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: None	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: None	No of fibers: 0	No of fields: 100
	Airborne fiber concentration (fibers/cc): 0	
Other comments:		

Sample name (print)	: Christopher Cañas	3
Signature	: Christopher Cañas	

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	11/1/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Jesse Sanchez
Date Analyzed:	11/1/19

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: Electrical work + installing pipes	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: 1st 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: 2nd 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)	: Jesse Sanchez
Signature	: Jesse Sanchez

Field Notes

PROJECT NAME	UCI Rowland Hall	SITE CONTACT	Susan Robb
PROJECT NUMBER	2019-3427UCI	CLIENT NUMBER	(949) 233-8889
DATE	10/28/2019	IH NAME	Zachary Rosas

0600: Omega Representative Zachary Rosas on site. Service level has multiple contractors working on
sprinkler installation, and painting. PCM cassettes were read on site via NIOSH 7400 Method and determined
Sample results were first sent via text to Susan Robb, Jeremy Gress, Rito Rincon, and Navid Salari. Readings
Confirmed and results posted to 1st floor lobby afterwards
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; contractors still at work.
1010: Checked on Pumps; they are operating as intended. Checked on work; no construction work is being done.
1130: Checked on Pumps; they are operating as intended. Checked on work; no construction work is being done.
1330: Checked on Pumps; they are operating as intended. Checked on work; no construction work is being done.
1400: PCM cassettes were read on site via NIOSH 7400 Method and determined ot be below PEL
Sample results were first sent via text to Susan Robb, Jeremy Gress, Rito Rincon, and Navid Salari. Readings
Confirmed and results posted to 1st floor lobby afterwards
1500: Checked on Pumps; they are operating as intended. Checked on work; no construction work is being done.
1600: Checked on Pumps; they are operating as intended. Checked on work; no construction work is being done.
1700: Work done for the day Omega off site.

Omega IH Signature: Zachary Rosas

Field Notes

PROJECT NAME	UCI Rowland Hall	SITE CONTACT	Susan Robb
PROJECT NUMBER	2019-3427UCI	CLIENT NUMBER	(949) 233-8889
DATE	10/28/2019	IH NAME	Christopher Cañas

5:00pm: Omega Representative Christopher Cañas on site.
6:00pm: Checked on Pumps; they are operating as intended. Checked on work; no construction work is being done.
7:00pm: Checked on Pumps; they are operating as intended. Checked on work; no issues or concerns.
8:00pm: Checked on Pumps; they are operating as intended. Checked on work; no issues or concerns.
9:00pm: Checked on Pumps; they are operating as intended. Checked on work; no issues or concerns.
10:00pm: Checked on Pumps; they are operating as intended. Checked on work; no construction work is being done.
11:00pm: New PCM cassettes have been placed on a set of pumps. They will run continuously into the 3rd shift.
PCM cassettes are 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.
12:00am Work activities are taking place in the first floor, 2nd floor, and 3rd floor which work includes drywall
Install plus clean demo and tile install. ECG will not spot abatement tonight
1:30am: Checked on Pumps; they are operating as intended. Checked on work; no issues or concerns.
2:30am: Checked on Pumps; they are operating as intended. Checked on work; no issues or concerns.
4:00am: Checked on Pumps; they are operating as intended. Checked on work; no issues or concerns.
5:00am: Omega Rep. now on site and will review the days scope of work with Christopher Cañas before he is relieved.
5:45am: Omega Representative Christopher Cañas reviewed project details with Omega staff and is now
leaving site. All samples collected were analyzed and sent to PM and client for review.

Omega IH Signature: Christopher Cañas

Omega Environmental Services, Inc.

Daily Field Log

4570 Campus Drive, Suite 30
Newport Beach, California 92660
Phone: (949) 252-2145, Fax: (949) 252-2148

Project Number: 2019-3427UCI	Date: 10/29/2019
Project Name: Rowland Hall 24/7	Omega Representative: Jesse Sanchez
Project Address: Rowland Hall UCI Irvine, CA	
Client Contact:	
Client Phone #:	

TIME AND ACTIVITY

0500	**Omega Jesse arrives on-site to start 5 am shift, Omega Chris Canas is relieved from site. Omega Jesse begins to**
	Prep PCM cassettes.
0605	**Omega demobilize PCM air cassettes that have been set up from the previous shift, Scope of work: work will**
	Consist of pressure testing throughout the floors for the fire sprinklers.
0700	**At this time Omega walks the site to check on any activities + air samples.**
0800	**No issues to report at this time, staff + students continue to roam throughout the Halls and classrooms.**
0900	**Low flow air samples continue to flow at 2.5 LPM.**
1000	**No issues to report at this time.**
1100	**No issues to report at this time, work continues to move forward.**
1200	**Omega walks the job site to check on the samples + any activities.**
1300	**At this time Omega Jesse is relieved from site, Omega Zach Rosas is on site for 1 pm shift.**

Omega Site Representative Signature: Jesse Sanchez	Date: 10/29/19

Field Notes

PROJECT NAME	UCI Rowland Hall	SITE CONTACT	Susan Robb
PROJECT NUMBER	2019-3427UCI	CLIENT NUMBER	(949) 233-8889
DATE	10/29/2019	IH NAME	Zachary Rosas

1300: Omega on site. Pumps checked; they are working as intended. Sprinkler installation and painting taking place on service level.
1400: Samples taken from pumps on floors 1, 2, and service level. PCM Samples read and site, results are below PEL. Results shared first via text with Susan Robb, Jeremy Gress, Rito Rincon, and Navid Salari. Afterward, reading results posted to 1st floor lobby. Sprinkler install and painting ongoing.
1500: Pumps checked; they are working as intended. Sprinkler install and painting wrapping up.
1600: Pumps checked; they are working as intended. No work currently happening throughout building.
1700: Pumps checked; they are working as intended. No work currently happening throughout building.
1800: Pumps checked; they are working as intended. No work currently happening throughout building.
1900: Pumps checked; they are working as intended. No work currently happening throughout building.
2000: Pumps checked; they are working as intended. No work currently happening throughout building.
2100: Pumps checked; they are working as intended. No work currently happening throughout building. Work consisted of painting and sprinkler installation on service level.

Omega IH Signature: Zachary Rosas

Field Notes

PROJECT NAME	UCI Rowland Hall	SITE CONTACT	Susan Robb
PROJECT NUMBER	2019-3427UCI	CLIENT NUMBER	(949) 233-8889
DATE	10/29/2019	IH NAME	Christopher Cañas

9:00pm: Omega Representative Christopher Cañas on site.
9:30pm: Checked on Pumps; they are operating as intended. Checked on work; no construction work is being done.
10:00pm: New PCM cassettes have been placed on a set of pumps. They will run continuously into the 3rd shift.
11:00pm: New PCM cassettes have been placed on a set of pumps. They will run continuously into the 3rd shift.
PCM cassettes are 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.
12:00am: Checked on Pumps; they are operating as intended. Checked on work; no issues or concerns.
1:00am Construction activities are taking place in the first floor, 2nd floor, and 3rd floor which work includes
drywall install plus clean demo and tile install. ECG will not spot abate tonight.
2:00am: Checked on Pumps; they are operating as intended. Checked on work; no issues or concerns.
3:00am: Checked on Pumps; they are operating as intended. Checked on work; no issues or concerns.
4:30am: Checked on Pumps; they are operating as intended. Checked on work; no issues or concerns.
5:00am: Omega Rep. now on site and will review the days scope of work with Christopher Cañas before he is relieved.
5:45am: Omega Representative Christopher Cañas reviewed project details with Omega staff and is now
leaving site. All samples collected were analyzed and sent to PM and client for review.

Omega IH Signature: Christopher Cañas

Omega Environmental Services, Inc.

Daily Field Log

4570 Campus Drive, Suite 30
Newport Beach, California 92660
Phone: (949) 252-2145, Fax: (949) 252-2148

Project Number: 2019-3427UCI	Date: 10/30/2019
Project Name: Prevalent 24/7, Rowland Hall	Omega Representative: Navid Salari
Project Address: Rowland Hall UCI Irvine, CA	
Client Contact: Susan Robb, EH&S	
Client Phone #: 949-824-8791	

TIME AND ACTIVITY

0700	Omega Navid Salari arrives on-site to start morning shift (1st shift on 10/30). Air samples from previous 3rd shift, were
	Read on site and posted at the 1st floor lobby area
0800	Floor tile replacement in progress in the Service level. Pressure testing throughout the building
0900	Area air samples in progress in service level, 1st and 2nd floors, pressure testing in progress
1000	Floor tile replacement in progress in the Service level. Area air samples in progress
1100	Patching/painting in progress on the 4th floor. Floor tile replacement in progress in the Service level.
1200	Floor tile replacement in progress in the Service level. Area air samples in progress
1300	Area air samples in progress in service level, 1st and 2nd floors., 1st shift off site

Omega Site Representative Signature: Navid Salari	Date: 10/30/19

Field Notes

PROJECT NAME	UCI Rowland Hall	SITE CONTACT	Susan Robb
PROJECT NUMBER	2019-3427UCI	CLIENT NUMBER	(949) 233-8889
DATE	10/30/2019	IH NAME	Zachary Rosas

1300: Omega on site. Pumps checked; they are working as intended. No work currently happening throughout building.
1400: Samples taken from pumps on floors 1, 2, and service level. PCM Samples read and site, results are below PEL. Results shared first via text with Susan Robb, Jeremy Gress, Rito Rincon, and Navid Salari. Afterward, reading results posted to 1st floor lobby. No work currently throughout building.
1500: Pumps checked; they are working as intended. No work currently happening throughout building.
1600: Pumps checked; they are working as intended. No work currently happening throughout building.
1700: Pumps checked; they are working as intended. No work currently happening throughout building.
1800: Pumps checked; they are working as intended. No work currently happening throughout building.
1900: Pumps checked; they are working as intended. No work currently happening throughout building.
2000: Pumps checked; they are working as intended. No work currently happening throughout building.
2100: Pumps checked; they are working as intended. No work currently happening throughout building. No work was done during duration of shift.

Omega IH Signature: Zachary Rosas

Field Notes

PROJECT NAME	UCI Rowland Hall	SITE CONTACT	Susan Robb
PROJECT NUMBER	2019-3427UCI	CLIENT NUMBER	(949) 233-8889
DATE	10/30/2019	IH NAME	Christopher Cañas

9:00pm: Omega Representative Christopher Cañas on site.
9:30pm: Checked on Pumps; they are operating as intended. Checked on work; no construction work is being done.
10:00pm: New PCM cassettes have been placed on a set of pumps. They will run continuously into the 3rd shift.
PCM cassettes are 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.
11:00pm: Checked on Pumps; they are operating as intended. Checked on work; no issues or concerns.
12:00am: Checked on Pumps; they are operating as intended. Checked on work; no issues or concerns.
1:00am Construction activities are taking place in the first floor, 2nd floor, and 3rd floor which work includes
drywall install plus clean demo and tile install. ECG will not spot abate tonight.
2:00am: Checked on Pumps; they are operating as intended. Checked on work; no issues or concerns.
3:00am: Checked on Pumps; they are operating as intended. Checked on work; no issues or concerns.
4:30am: Checked on Pumps; they are operating as intended. Checked on work; no issues or concerns.
5:00am: Omega Rep. now on site and will review the days scope of work with Christopher Cañas before he is relieved.
5:45am: Omega Representative Christopher Cañas reviewed project details with Omega staff and is now
leaving site. All samples collected were analyzed and sent to PM and client for review.

Omega IH Signature: Christopher Cañas

Omega Environmental Services, Inc.

Daily Field Log

4570 Campus Drive, Suite 30
Newport Beach, California 92660
Phone: (949) 252-2145, Fax: (949) 252-2148

Project Number: 2019-3427UCI	Date: 10/31/2019
Project Name: Rowland Hall 24/7	Omega Representative: Jesse Sanchez
Project Address: Rowland Hall UCI Irvine, CA	
Client Contact:	
Client Phone #:	

TIME AND ACTIVITY

0500	**Omega Jesse arrives on-site to start 5 am shift, Omega Chris Canas is relieved from site. Omega Jesse begins to**
	Prep PCM cassettes.
0605	**Omega demobilize PCM air cassettes that have been set up from the previous shift, Scope of work: work will**
	Consist of pressure testing + electrical work on the service floor.
0700	**At this time Omega walks the site to check on any activities + air samples.**
0800	**No issues to report at this time, staff + students continue to roam throughout the Halls and classrooms.**
0900	**Low flow air samples continue to flow at 2.5 LPM.**
1000	**No issues to report at this time.**
1100	**No issues to report at this time, work continues to move forward.**
1200	**Omega walks the job site to check on the samples + any activities.**
1300	**At this time Omega Jesse is relieved from site, Omega Zach Rosas is on site for 1 pm shift.**

Omega Site Representative Signature: Jesse Sanchez	Date: 10/31/19

Field Notes

PROJECT NAME	UCI Rowland Hall	SITE CONTACT	Susan Robb
PROJECT NUMBER	2019-3427UCI	CLIENT NUMBER	(949) 233-8889
DATE	10/31/2019	IH NAME	Zachary Rosas

1300: Omega on site. Pumps checked; they are working as intended. Basecove and tile installation happening at service level.
1400: Samples taken from pumps on floors 1, 2, and service level. PCM Samples read and site, results are below PEL. Results shared first via text with Susan Robb, Jeremy Gress, Rito Rincon, and Navid Salari. Afterward, reading results posted to 1st floor lobby. Basecove and tile installation ongoing.
1500: Pumps checked; they are working as intended. Tile and basecove install wrapping up.
1600: Pumps checked; they are working as intended. No work currently happening throughout building.
1700: Pumps checked; they are working as intended. No work currently happening throughout building.
1800: Pumps checked; they are working as intended. No work currently happening throughout building.
1900: Pumps checked; they are working as intended. No work currently happening throughout building.
2000: Pumps checked; they are working as intended. No work currently happening throughout building.
2100: Pumps checked; they are working as intended. No work currently happening throughout building. Work during shift consisted of tile and basecove installation at service level.

Omega IH Signature: Zachary Rosas

Field Notes

PROJECT NAME	UCI Rowland Hall	SITE CONTACT	Susan Robb
PROJECT NUMBER	2019-3427UCI	CLIENT NUMBER	(949) 233-8889
DATE	10/31/2019	IH NAME	Christopher Cañas

9:00pm: Omega Representative Christopher Cañas on site.
9:30pm: Checked on Pumps; they are operating as intended. Checked on work; no construction work is being done.
10:00pm: New PCM cassettes have been placed on a set of pumps. They will run continuously into the 3rd shift.
PCM cassettes are 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.
11:00pm: Checked on Pumps; they are operating as intended. Checked on work; no issues or concerns.
12:00am: Checked on Pumps; they are operating as intended. Checked on work; no issues or concerns.
1:00am Construction activities are taking place in the first floor, 2nd floor, and 3rd floor which work includes
drywall install plus clean demo and tile install. ECG will not spot abate tonight.
2:00am: Checked on Pumps; they are operating as intended. Checked on work; no issues or concerns.
3:00am: Checked on Pumps; they are operating as intended. Checked on work; no issues or concerns.
4:30am: Checked on Pumps; they are operating as intended. Checked on work; no issues or concerns.
5:00am: Omega Rep. now on site and will review the days scope of work with Christopher Cañas before he is relieved.
5:45am: Omega Representative Christopher Cañas reviewed project details with Omega staff and is now
leaving site. All samples collected were analyzed and sent to PM and client for review.

Omega IH Signature: Christopher Cañas

Omega Environmental Services, Inc.

Daily Field Log

4570 Campus Drive, Suite 30
Newport Beach, California 92660
Phone: (949) 252-2145, Fax: (949) 252-2148

Project Number: 2019-3427UCI	Date: 11/1/2019
Project Name: Rowland Hall 24/7	Omega Representative: Jesse Sanchez
Project Address: Rowland Hall UCI Irvine, CA	
Client Contact:	
Client Phone #:	

TIME AND ACTIVITY

0500	**Omega Jesse arrives on-site to start 5 am shift, Omega Chris Canas is relieved from site. Omega Jesse begins to**
	Prep PCM cassettes.
0605	**Omega demobilize PCM air cassettes that have been set up from the previous shift, Scope of work: work will**
	Consist of pressure testing + electrical work on the service floor.
0700	**At this time Omega walks the site to check on any activities + air samples.**
0800	**No issues to report at this time, staff + students continue to roam throughout the Halls and classrooms.**
0900	**Low flow air samples continue to flow at 2.5 LPM.**
1000	**No issues to report at this time.**
1100	**No issues to report at this time, work continues to move forward.**
1200	**Omega walks the job site to check on the samples + any activities.**
1300	**Low flow air samples continue to flow at 2.5 LPM.**
1400	**Omega begins to demobilize PCM air samples to be analyzed on-site.**
1500	**Omega Jesse sends out PCM results to UCI Reps. + Omega Rep. Navid Salari, shift has ended for today.**

Omega Site Representative Signature: Jesse Sanchez	Date: 11/1/19

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

State of California
Division of Occupational Safety and Health

Certified Site Surveillance Technician

Jesse S Sanchez
Name

Certification No. ~~19-6481~~

Expires on ~~09/17/20~~

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.

CERTIFICATE NUMBER

32297

Certificate of Attendance

ECOLOGICS™ TRAINING INSTITUTE

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	**E091718NIOSH 091718**	
COMPLETION DATE	CLASS NUMBER / STARTING DATE	CERTIFICATE EXPIRES

Ecologics Training Institute

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

Certificate Of Completion

Asbestos Building Inspector Refresher Course

DOSH #:CA-015-06

Zachary Rosas

ABIR0628190014N18981

Alan Dages

Principal Instructor

Michael W. Horner

Michael W. Horner

Training Director

6/28/2019	6/28/2019	6/28/2019	6/28/2020
Course Start Date	Course End Date	Exam Date	Expiration Date

This course satisfies the education requirements for Asbestos accreditation under the Toxic Substances Control Act, Title II. This course has been approved by the Department of Industrial Relations, Division of Occupational Safety and Health of the State of California

NATEC International, Inc.

National Association of Training and Environmental Consulting

1100 Technology Circle- Suite A, Anaheim, CA 92805 • www.natecintl.com • 800-969-3228

Important Industry Contacts

CAL-OSHA: Ph# (916) 574-2993
(916) 483-0572 Fax Notification
Web: www.dir.ca.gov or calosha.com

CDPH/CLPPB: Ph# (510) 620-5600
Web: www.cdph.ca.gov/programs/CLPPB

SCAQMD: Ph# (909) 396-3739
Fax#(909) 396-3342

BAAQMD: Ph# (415) 749-4762

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(714) 678-2750, (800) 969-3228, Fax (714) 678-2757

www.natecintl.com

NATEC International, Inc.

National Association of Training and Environmental Consulting

*Note: Card is not suitable substitute for certificate and is not accepted by SCAQMD as proof of certification

This Card Acknowledges That

Zachary Rosas

Holds Training Certification For

Asbestos Building Inspector Refresher Course

Expiration: 6/28/2020

Training Date 6/28/2019

Certificate No. ABIR0628190014N18981

Michael W. Horner

Training Director

Certificate Of Completion

Asbestos Contractor/Supervisor Refresher Course

DOSH #:CA-015-04

Zachary Rosas

ASR0627190018N19066

Alan Dages
Principal Instructor

Michael W. Horner
Training Director

6/27/2019	6/27/2019	6/27/2019	6/27/2020
Course Start Date	Course End Date	Exam Date	Expiration Date

This course satisfies the education requirements for Asbestos accreditation under the Toxic Substances Control Act, Title II. This course has been approved by the Department of Industrial Relations. Division of Occupational Safety and Health of the State of California

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SCAQMD: Ph# (909) 396-3739
Fax#(909) 396-3342

BAAQMD: Ph# (415) 749-4762

NATEC International, Inc.
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(714) 678-2750, (800) 969-3228, Fax (714) 678-2757
www.natecintl.com

NATEC International, Inc.
National Association of Training and Environmental Consulting
*Note, Card is not suitable substitute for certificate and is not accepted by SCAQMD as proof of certification
This Card Acknowledges That
Zachary Rosas
Holds Training Certification For
Asbestos Contractor/Supervisor Refresher Course
Expiration: 6/27/2020
Training Date 6/27/2019
Certificate No. ASR0627190018N19066
Michael W. Horner
Training Director

CERTIFICATE NUMBER

88466

Certificate of Attendance

This is to Certify that

ZACHARY ROSAS

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

June 21, 2019	E062119NIOSH	062119
COMPLETION DATE	CLASS NUMBER / STARTING DATE	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

Name Navid Salari

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.