UCI Environmental Health & Safety

Marc Gomez
Assistant Vice-Chancellor
Environmental Health & Safety
4600 Health Sciences Rd., Irvine, CA 92697-2725

April 12, 2019

KENNETH C. JANDA
DEAN, SCHOOL OF PHYSICAL SCIENCES

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

Dear Dean Janda,

The attached report from Omega Environmental, dated April 12, 2019, provides March 22 – 28, 2019 prevalent 24/7 air monitoring results for Rowland Hall, including during non-asbestos-related construction activities.

We have reviewed the report, including the air sample measurements. Furthermore, we also performed transmission electron microscopy (TEM) on three air samples. The results of this TEM analysis confirm:

1. The three 3.27.19 air samples taken outside the containment during the disturbance of non-asbestos containing materials (PCM result was above 0.01 f/cc) do not contain asbestos fibers.

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

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

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

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

Sincerely,

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

Dick T. Sun
Associate Deputy Director
Environmental Health and Safety

Attachment

OMEGA
ENVIRONMENTAL

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

Project Number 2019-3299UCI
April 12, 2019

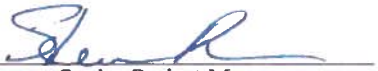
Prepared For:

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

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

Chris Canas, a California Certified Site Surveillance Technician (CSST #16-5978), and Jesse Sanchez, an (EPA-AHERA[1] Building inspector), with Omega Environmental Services, Inc. (Omega) performed the air monitoring on March 22, and from March 25 through March 28, 2019. Attachment A includes copies of the air sample results, laboratory accreditations and inspectors' certifications.

2. AIR SAMPLE RESULTS

Area air samples were collected at select locations in the building each work shift. The purpose of the area air monitoring was to measure the airborne fiber concentrations in the subject building. The analysis was performed using the Phase Contrast Microscopy (PCM) analytical methodology as described in National Institute for Occupational Safety and Health (NIOSH) 7400 A protocol. Omega's representatives are NIOSH-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)
03/22/19	1	2nd floor hallway by room 275 / None	0.003
03/22/19	2	1st floor hallway / None	0.003
03/22/19	3	Service floor hallway / BNB installing ductwork	0.004
03/25/19	1	Service floor hallway / FM construction installing HVAC ductwork	0.003
03/25/19	2	1st floor hallway / None	0.003
03/25/19	3	2nd floor hallway / None	0.002
03/25/19	4	Service floor hallway / None	<0.002
03/25/19	5	1st floor hallway / None	<0.002
03/25/19	6	2nd floor hallway / None	<0.002
03/25/19	7	Service floor hallway / BNB and Cosco demo old fire system	0.003
03/25/19	8	1st floor hallway / None	<0.002
03/25/19	9	2nd floor / None	<0.002
03/25/19	10	3rd floor, hallway / Cosco demo old fire system	0.003
03/25/19	11	4th floor, hallway / None	<0.002

[1] Asbestos Hazard Emergency Response Act

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

*Table 2 – Air Sample TEM Results

Date	Sample #	Sample Locations / Work Activity	PCM Results (f/cc)	TEM Results Adjusted (f/cc)
03/27/19	*8	Service floor hallway / non-asbestos work in hallway	0.024	<0.0023 0% Asbestos
03/27/19	*9	1st floor hallway / None	0.013	<0.0023 0% Asbestos
03/27/19	*10	3rd floor hallway / light ballasts removal	0.022	<0.0023 0% Asbestos

f/cc – Fibers per cubic centimeter

Based on the results of the TEM analysis, all three (3) samples were found to contain fiber concentrations less than the EPA Clearance Criteria of 0.01 f/cc and, no asbestos fibers were detected in the samples. These air samples resulted from the disturbance of non-asbestos containing materials.

The TEM analysis is performed in accordance with NIOSH 7402 Method. The air samples were submitted under chain of custody procedures to LA Testing Huntington Beach laboratory located at 5431 Industrial Drive in Huntington Beach, California (Tel: 714-828-4999). Attachment A includes copies of the laboratory analytical reports.

PCM Sample Data Sheet

Project Number	: 2019-3299UCI
Project Site Address	: Rowland Hall
Sample Date	: 3/22/19
Analysis type	: PCM (NIOSH 7400A)
Analysis by	: IH Name C. Cano / Laboratory Name
Date Analyzed	: 3/22/19

OMEGA

Sample ID: 01	Start time: 8:25am	End time: 4:25pm
Sample location: 2nd Floor (Room 275) Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 6.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): 0.003	
Other comments:		

Sample ID: 02	Start time: 8:35am	End time: 4:35pm
Sample location: 1st Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 8	No of fields: 100
	Airborne fiber concentration (fibers/cc): 0.003	
Other comments:		

Sample ID: 03	Start time: 8:30am	End time: 4:30pm
Sample location: Service Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: HNB Installing Network	No of fibers: 10.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): 0.004	
Other comments:		

Sample ID: 04	Start time:	End time:
Sample location: Field Blank	Flow rate (LPM):	
	Total time:	Total volume:
Work activity:	No of fibers: 0	No of fields: 0
	Airborne fiber concentration (fibers/cc): 0	
Other comments:		

Sample ID: 05	Start time:	End time:
Sample location: Field Blank	Flow rate (LPM):	
	Total time:	Total volume:
Work activity:	No of fibers: 0	No of fields: 0
	Airborne fiber concentration (fibers/cc): 0	
Other comments:		

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

Sample name (print) : [redacted] Christopher Cano

Signature : C. Cano

PCM Sample Data Sheet

Project Number	: 2019-3299UCI
Project Site Address	: Rowland Hall
Sample Date	: 03/25/2019 – 03/26/2019
Analysis type	: PCM (NIOSH 7400A)
Analysis by	: IH Name: Chris Canas & Jesse Sanchez
Date Analyzed	:

OMEGA ENVIRONMENTAL

Sample ID: 4	Start time: 22:10	End time: 06:10
Sample location: Service floor, hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity:	No of fibers: 4	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 5	Start time: 22:10	End time: 06:10
Sample location: 1st floor, hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity:	No of fibers: 5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 6	Start time: 22:15	End time: 06:15
Sample location: 2nd floor, hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1200
Work activity:	No of fibers: 3.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 7	Start time: 22:20	End time: 06:20
Sample location: Service floor, hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1200
Work activity:	No of fibers: 7	No of fields: 100
	Airborne fiber concentration (fibers/cc): 0.003	
Other comments:		

Sample ID: 8	Start time: 22:20	End time: 06:20
Sample location: 1st floor, hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1200
Work activity:	No of fibers: 5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 9	Start time: 22:25	End time: 06:25
Sample location: 2nd floor hallway	Flow rate (LPM): 2.5	
	Total time:480	Total volume:
Work activity:	No of fibers: 3	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample name (print)	: Jesse Sanchez	
Signature	:	Page

PCM Sample Data Sheet

Project Number	: 2019-3299UCI
Project Site Address	: Rowland Hall
Sample Date	: 03/26/2019
Analysis type	: PCM (NIOSH 7400A)
Analysis by	: IH Name: Chris Canas & Jesse Sanchez
Date Analyzed	:

OMEGA ENVIRONMENTAL

Sample ID: 1	Start time: 05:20	End time: 13:20
Sample location: Service floor, hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity:	No of fibers: 3.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 2	Start time: 05:20	End time: 13:20
Sample location: 1st floor, hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity:	No of fibers: 2.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 3	Start time: 05:25	End time: 13:25
Sample location: 2nd floor, hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1200
Work activity:	No of fibers: 4	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 4	Start time: 13:25	End time: 21:25
Sample location: Service floor, hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1200
Work activity:	No of fibers: 13	No of fields: 100
	Airborne fiber concentration (fibers/cc): 0.005	
Other comments:		

Sample ID: 5	Start time: 13:25	End time: 21:25
Sample location: 1st floor, hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1200
Work activity:	No of fibers: 3	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 6	Start time: 13:20	End time: 21:20
Sample location: 2nd floor, hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume:1200
Work activity:	No of fibers: 5.0	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample name (print)	: Chris Canas & Jesse Sanchez	
Signature	:	Page

PCM Sample Data Sheet

Project Number	: 2019-3299UCI
Project Site Address	: Rowland Hall
Sample Date	: 03/26/2019
Analysis type	: PCM (NIOSH 7400A)
Analysis by	: IH Name: Chris Canas & Jesse Sanchez
Date Analyzed	:

OMEGA ENVIRONMENTAL

Sample ID: 13	Start time:	End time:
Sample location: Sealed blank	Flow rate (LPM):	
	Total time:	Total volume:
Work activity:	No of fibers: 0.0	No of fields: 100
	Airborne fiber concentration (fibers/cc): 0.0	
Other comments:		

Sample name (print)	: Chris Canas & Jesse Sanchez	
Signature	:	Page

PCM Sample Data Sheet

Project Number	: 2019-3299UCI
Project Site Address	: Rowland Hall
Sample Date	: 03/27/2019
Analysis type	: PCM (NIOSH 7400A)
Analysis by	: IH Name: Chris Canas & Jesse Sanchez
Date Analyzed	:

OMEGA ENVIRONMENTAL

Sample ID: 7	Start time: 22:00	End time: 06:00
Sample location: 2nd floor, hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity:	No of fibers: 6.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): 0.003	
Other comments:		

Sample ID: 8*	Start time: 22:05	End time: 06:05
Sample location: Service floor, hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: non-asbestos work in hallway	No of fibers: 27	No of fields: 46
	Airborne fiber concentration (fibers/cc): 0.024	
Other comments:		

Sample ID: 9*	Start time: 22:06	End time: 06:06
Sample location: 1st floor, hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1200
Work activity: None	No of fibers: 25	No of fields: 76
	Airborne fiber concentration (fibers/cc): 0.013	
Other comments:		

Sample ID: 10*	Start time: 22:10	End time: 06:10
Sample location: 3rd floor, hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1200
Work activity: Light ballast removal	No of fibers: 29	No of fields: 53
	Airborne fiber concentration (fibers/cc): 0.022	
Other comments:		

Sample ID: 11	Start time: 22:10	End time: 06:10
Sample location: 4th floor, hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1200
Work activity:	No of fibers: 7	No of fields: 100
	Airborne fiber concentration (fibers/cc): 0.003	
Other comments:		

Sample ID: 12	Start time:	End time:
Sample location: Field blank	Flow rate (LPM):	
	Total time:	Total volume:
Work activity:	No of fibers: 0.0	No of fields: 100
	Airborne fiber concentration (fibers/cc): 0.0	
Other comments:		

Sample name (print)	: Chris Canas & Jesse Sanchez	
Signature	:	Page

LA Testing

5431 Industrial Drive Huntington Beach, CA 92649
Tel/Fax: (714) 828-4999 / (714) 828-4944
http://www.LATesting.com / gardengrovelab@latesting.com

LA Testing Order: 331906216
Customer ID: OMEG34
Customer PO:
Project ID:

Attention: Navid Salari
Omega Environmental Services, Inc.
4570 Campus Drive
Suite 30
Newport Beach, CA 92660
Project: 2019-3299UCI

Phone: (949) 302-6826
Fax:
Received Date: 03/28/2019 10:30 AM
Analysis Date: 03/28/2019
Collected Date: 03/27/2019

Test Report:Asbestos Analysis of Air Samples by Transmission Electron Microscopy via NIOSH Method 7402

Sample	Volume (Liters)	Non Asbestos Fibers	Asbestos Type(s)	Asbestos Fibers	PCM F/cc	*Asbestos % of total	7402 Adjusted (TEM) F/cc	Notes
8	1200	0.0	None Detected		<0.002	0 %	**<0.0023**	
331906216-0001								
9	1200	0.0	None Detected		<0.002	0 %	**<0.0023**	
331906216-0002								
10	1200	0.0	None Detected		<0.002	0 %	**<0.0023**	
331906216-0003								

NIOSH 7402 method only reports fibers > 5µm in length and > 0.25µm in width.
This method requires a minimum of 2 field blank analyses per set.
* The above results are not blank corrected.
Average number of asbestos fibers on field blanks: N/A
Average number of non-asbestos fibers on field blanks: N/A

Analyst(s)
Jeffrey Deboo (3)

Michael DeCavallas, Laboratory Manager
or other approved signatory

Initial report from: 03/28/2019 01:12 PM

#331906216

PCM/TEM Sample Data Sheet

Project Number:	2019-3299UCI
Project Site Address:	UC Irvine
Sample Date:	3/27-3/28/19
Analysis type:	PCM (NIOSH 7400A) _____ / TEM (NIOSH 7402) _____
Analysis by:	IH Name Jesse / Laboratory Name L.A Testing
Date Analyzed:	

OMEGA ENVIRONMENTAL

Sample ID: 8	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: Work in hallways	No of fibers:	No of fields:
	Airborne fiber concentration (fibers/cc):	
Other comments:		

Sample ID: 9	Start time: 2206	End time: 0606
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:
	Airborne fiber concentration (fibers/cc):	
Other comments:		

Sample ID: 10	Start time: 2210	End time: 0610
Sample location: 3rd Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: Light ballast removal	No of fibers:	No of fields:
	Airborne fiber concentration (fibers/cc):	
Other comments:		

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

Page 1 of 1

PCM Sample Data Sheet

Project Number	: 2019-3299UCI
Project Site Address	: Rowland Hall
Sample Date	: 03/28/2019
Analysis type	: PCM (NIOSH 7400A)
Analysis by	: IH Name: Chris Canas & Jesse Sanchez
Date Analyzed	:

OMEGA ENVIRONMENTAL

Sample ID: 7	Start time: 22:00	End time: 06:00
Sample location: Service floor, hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity:	No of fibers: 2.0	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 8	Start time: 22:00	End time: 06:00
Sample location: 1st floor, hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity:	No of fibers: 3.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 9	Start time: 22:01	End time: 06:01
Sample location: 2nd floor, hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1200
Work activity:	No of fibers: 1.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 10	Start time: 22:01	End time: 06:01
Sample location: 3rd floor, hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1200
Work activity:	No of fibers: 4	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 11	Start time: 22:02	End time: 06:02
Sample location: 4th floor, hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1200
Work activity:	No of fibers: 3	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 12	Start time:	End time:
Sample location: Field blank	Flow rate (LPM):	
	Total time:	Total volume:
Work activity:	No of fibers: 0.0	No of fields: 100
	Airborne fiber concentration (fibers/cc): 0.0	
Other comments:		

Sample name (print)	: Chris Canas & Jesse Sanchez	
Signature	:	Page

OMEGA ENVIRONMENTAL

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

Daily Field Log

Page # 1

Project Number: 2019-3299VC1	Date: 3/22/19
Project Name: Rowland Hall	Omega Representative: C. Cano
Project Address: UC Irvine	
Client Contact: Susan Robb	
Client Phone #: (714) 369-3304	

TIME AND ACTIVITY

6:00am - On Site w/ Susan Robb and Navid Salari to review project SOW BNB is on the service Level they will be performing work until 8am and then leave Site. FM Construction is installing Ductwork in Rooms: B66, B70, B85, and B93. They plan to leave around 2:30pm.

8:00am - Site areas were walked with Susan Robb of EH&S & Navid Salari of Omega Env. All Standard procedures have been established for the length of the project. Omega will be running air Sample Continuously for 24 hours Mon-Fri. Areas have been already Specified. Monitor will Continue until project is Complete.

8:30am Began running Air Samples.

9:30am Verified FM Construction is in Designated areas.

10:30am Custodial Services now mopping the ~~hallway~~ on Service level.

12:00pm Checked on pumps, Flow rate is still the Same, Contractors still working in Designated Rooms.

Omega Site Representative Signature: C. Cano	Date: 3/22/19

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

Daily Field Log

Project Number: 2019-3299UCI	Date: 03/25/2019
Project Name: 24/7	Omega Representative: Chris Canas & Jesse Sanchez
Project Address: Rowland Hall UCI Irvine, Ca	Shift: #2 1800 - 0600
Client Contact:	
Client Phone #:	

TIME AND ACTIVITY

1800	Omega Rep. Jesse arrives on-site to begin 2nd shift. Omega Rep. Chris Canas gives a brief of the work activities
	During the first shift.
1810	During Chris first shift, he has set up low flow air samples for 8-hours. At this time there is no activities going on
	Around he pumps.
1940	No issues to report at this time, no activities have occurred.
2030	Still no activities at this time, no students present in the hallways.
2200	At this time BNB + COSCO arrive on site to begin their work shift. Scope of work: BNB will be working in the
	Service level working on demo with old fire system + COSCO will be working on the 3rd & service level, working
	On pipe + duct work in clean areas (no ACM present).
2210	Omega demobilize set of samples + set up new set of samples from the service level – the 4th floor.
2230	BNB + Omega walk through the rooms where BNB will be working at to confirm no acoustic or fireproofing is
	Present. Rooms – B22, B43, B47
2330	At this time no issues to report, COSCO + BNB continue to do their work away from the samples.
2350	Omega has read first set of samples, results came back < 0.002 no actions needed to be taken at this time.
0135	No issues to report at this time, no activities near the samples on each floor.
0245	No issues to report at this time, no activities near the samples on each floor.
0415	BNB + Omega go over the scope of work to clarify the work areas. Where there is transite and TSI is ok to work
	As long as not impacted.
0600	Omega Rep. Chris arrives on site to begin morning shift, samples will be pulled out by 0610 – 0620 total of 5
	Samples including 1 sealed blank and 1 field blank to be analyzed by Chris Canas

Omega Site Representative Signature: Jesse Sanchez & Chris Canas	Date: 03/25/2019

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

Daily Field Log

Project Number: 2019-3299UCI	Date: 03/26/2019
Project Name: Rowland Hall 24/7	Omega Representative: Chris Canas & Jesse Sanchez
Project Address: Rowland Hall UCI Irvine, CA	
Client Contact:	
Client Phone #:	

TIME AND ACTIVITY

1800	Omega arrives on site to begin todays second shift. Air samples have been set up and will be demobilized at 2120.
	At this time there is no activities in the hallways.
1930	No issues to report at this time. Empty hallways.
2120	Omega demobilize set of samples and set up a new batch of smaples.
2200	At this time BNB + Cosco arrive on site to begin todays work shift. Scope of work: Cosco will be working on demo
	In south rooms on the service level + BNB will also be working on ceiling tile demo on the service level + 3rd level
	To demo old sprinkler system.
2300	No activities near the low flow pumps, no issues to report at this time.
0100	Demo work continues to move forward, no issues to report regarding the hallways.
0230	At this time still no activities in the hallways, samples are clear from any near by work.
0330	Cosco + BNB demo continue to move forward within the designated work areas, clear from fireproofing or
	Acoustic.
0430	No issues to report at this time, hallways are still clear from work.
0520	Omega demobilize batch of samples and set up another batch.
0600	At this time 2nd shift has ended Omega remains on site to read samples + another Omega Rep. arrives on site to
	Start the next shift.

Omega Site Representative Signature: Chris Canas & Jesse Sanchez	Date: 03/26/2019

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

Daily Field Log

Project Number: 2019-3299UCI	Date: 03/27/2019
Project Name: 24/7	Omega Representative: ChriS Canas & Jesse Sanchez
Project Address: Rowland Hall UCI Irvine, CA	
Client Contact:	
Client Phone #:	

TIME AND ACTIVITY

1800	Omega Rep. arrives on site to start second shift. No work at this time, air sample pumps are set up and will be Demobilized at 2200
1900	Still no activity in the hallways, no issues to report.
2030	No activity at this time pumps are still running at 2.5 liters per minute.
2200	Omega demobilize air samples and set up new pumps and new set of samples.
2210	BNB and Cosco arrive on site to begin their work shift. Cosco will not be working on the 3rd floor today, BNB will Be working on the service level plus the 3rd floor. Scope of work is both trades will be demoing old fire system.
2330	Work continues to move forward, no activities in the hallways.
2440	No issues to report at this time.
0130	Low flow air pumps still running at 2.5 liters per minute.
0330	No activity in the hallways at this time pumps are not near any work.
0440	Omega still does not observe any activities in the hallways.
0530	No issues to report at this time Low flow pumps will be demobilized at 0600.
0600	At this time Omega demobilize low flow samples + set up a new batch of samples. Omega rep. chris arrives on site.

Omega Site Representative Signature: Chris Canas and jesse sanchez	Date: 03/27/2019

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

Daily Field Log

Project Number: 2019-3299UCI	Date: 03/28/2019
Project Name: 24/7	Omega Representative: Chris Canas & Jesse Sanchez
Project Address: Rowland Hall UCI Irvine, CA	
Client Contact:	
Client Phone #:	

TIME AND ACTIVITY

1800	Omega Rep. arrives on site to start 2nd shift. Low flow pumps have been running and will be demobilized at 2200.
	Scope of work: Omega will be monitoring any work throughout the building while air pumps are on. BNB +
	Cosco will arrive on site at 2200 to demo old fire system sprinklers.
1900	No activities throughout the hallways, pumps are still running at 2.5 LPM. Samples will be running for a total
	Of 8-hours.
2000	No issues to report at this time. Omega conduct a visual walk through the building to check for any activities
	Occurring around the samples.
2130	At this time no work or foot traffic in the hallways or near the samples. BNB + Cosco will arrive on site at 2200.
2200	At this time Omega begin to demobilize air samples from the hallways & BNB + Cosco arrive on site to begin their
	Work shift. Cosco will be demoing on the service level + BNB will be demoing ceiling tiles in clean areas on the
	3rd floor. Omega mobilize and set up new batch of air samples.
2330	At this time there is no activities in the hallways, BNB continue to work on the 3rd floor + Cosco continue to work
	On the service level + mobilized equipment to the 2nd floor.
2430	BNB + Cosco continue to work in their assigned areas. No activities in the hallways, work activities & the low flow
	Samples are on the opposite side from each other. No issues or concerns at this time.
0130	Still no concerns at this time, no work or any foot traffic in the hallways. BNB's work on the 3rd floor still
	Continues no issues to report at this time.
0240	No hallway activities at this time, Omega walk throughout the building to check each low flow pump.
0330	Omega complete visual no issues to report at this time, all work on the service level + 3rd floor are still away from
	The samples.
0500	Omega conduct a walk through visual of the floors to check on the samples and work before demobilizing any of
	the samples.

Omega Site Representative Signature: Chris Canas and jesse sanchez	Date: 03/28/2019

AIHA Laboratory Accreditation Programs, LLC
SCOPE OF ACCREDITATION

LA Testing Huntington Beach
5431 Industrial Drive, Huntington Beach, CA 92649

Laboratory ID: **101650**
Issue Date: 09/28/2018

The laboratory is approved for those specific field(s) of testing/methods listed in the table below. Clients are urged to verify the laboratory's current accreditation status for the particular field(s) of testing/Methods, since these can change due to proficiency status, suspension and/or withdrawal of accreditation.

Industrial Hygiene Laboratory Accreditation Program (IHLAP)

Initial Accreditation Date: 08/01/1981

IHLAP Scope Category	Field of Testing (FoT) (FoTs cover all relevant IH matrices)	Technology sub-type/ Detector	Published Reference Method/Title of In-house Method	Method Description or Analyte *(for internal methods only)*
Chromatography Core	Gas Chromatography	GC/FID	NIOSH 1003 Modified	
			NIOSH 1005	
			NIOSH 1007	
			NIOSH 1400 Modified	
			NIOSH 1500	
			NIOSH 1501	
			NIOSH 1550	
			NIOSH 2000 Modified	
			NIOSH 2500 Modified	
			NIOSH 2546 Modified	
			OSHA 109	
			OSHA 91	
		GC/ECD	NIOSH 5503	
	GC/MS		EPA TO-15	
	Gas Chromatography (Diffusive Samplers)		NIOSH 1500	
			NIOSH 1501 Modified	
			OSHA 1001	
			OSHA 1014	
	Ion Chromatography (IC)		NIOSH 6004 Modified	
			NIOSH 6011	
			NIOSH 6013	
			NIOSH 6016	
			NIOSH 7903	
			NIOSH 7906	
			NIOSH 7907	
IHLAP Scope Category	**Field of Testing (FoT)** (FoTs cover all relevant	**Technology sub-type/**	**Published Reference Method/Title of In-**	**Method Description or Analyte**

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.

ECOLOGICS™ TRAINING INSTITUTE

Certificate of Attendance

CERTIFICATE NUMBER
89016

This is to Certify that

JESSE SANCHEZ

Has Completed the Course of

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

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

ARMANDO DUCOING
DIRECTOR

August 31, 2018	E083118CSR 083118	August 31, 2019
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 NUMBER

32297

Certificate of Attendance

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

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