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: **November through December 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 non-asbestos related construction activities in various locations on the service level through fifth floor during the period of November 4 through December 6, 2019. The attached reports address activities:

- in the Service Level through Second Floor, various activities and locations, from November 4 through 8 (report dated November 20, 2019);
- in the Service Level through Fifth Floor, various activities and locations, from November 12 through 15 (report dated December 3, 2019);
- in the Service Level through Second Floor, various activities and locations, from November 25 through 27 (report dated December 19, 2019);
- in the Service Level through Second Floor, various activities and locations, from December 2 through 6 (report dated December 19, 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
\\Ad.Uci.Edu\Uci\ABS\EHS\Files\IH\Rowland Hall\Omega Reports\Omega Report Cover Letter November Through December 2019 (Prevalent Level Service Through Floor 5 Various Locations And Activities).Docx

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

Project Number 2019-3427UCI
November 20, 2019

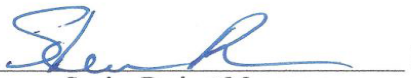
Prepared For:

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

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ATTACHMENT A

PCM Air Sample Results, Daily Notes and Inspectors' Certifications

1. EXECUTIVE SUMMARY

The following is an air monitoring summary report for work performed at Rowland Hall, building 400, located at the University of California, Irvine (UCI) in Irvine, California. The scope of work consisted of around the clock air monitoring from Monday through Friday, including during general 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), 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 November 4 through November 8, 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)
11/04/19	1	Service floor hallway / None	<0.002
11/04/19	2	1st floor hallway / Pressure testing	<0.002
11/04/19	3	2nd floor hallway / None	<0.002
11/04/19	4	Service floor hallway / None	<0.002
11/04/19	5	1st floor hallway / None	<0.002
11/04/19	6	2nd floor hallway / None	<0.002
11/04-05/19	7	Service floor hallway / None	<0.002
11/04-05/19	8	1st floor hallway / None	<0.002
11/04-05/19	9	2nd floor hallway / None	<0.002
11/05/19	1	Service floor hallway / Painting	<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)
11/05/19	2	1st floor hallway / Pressure testing	<0.002
11/05/19	3	2nd floor hallway / None	<0.002
11/05/19	4	Service floor hallway / None	<0.002
11/05/19	5	1st floor hallway / None	<0.002
11/05/19	6	2nd floor hallway / None	<0.002
11/05-06/19	7	Service floor hallway / None	<0.002
11/05-06/19	8	1st floor hallway / None	<0.002
11/05-06/19	9	2nd floor hallway / None	<0.002
11/06/19	1	Service floor hallway / General construction work	<0.002
11/06/19	2	1st floor hallway / Drywall patching and painting	<0.002
11/06/19	3	2nd floor hallway / None	<0.002
11/06/19	4	Service floor hallway / None	<0.002
11/06/19	5	1st floor hallway / None	<0.002
11/06/19	6	2nd floor hallway / None	<0.002
11/06-07/19	7	Service floor hallway / None	<0.002
11/06-07/19	8	1st floor hallway / None	<0.002
11/06-07/19	9	2nd floor hallway / None	<0.002
11/07/19	1	Service floor hallway / Painting and drywall patching	<0.002
11/07/19	2	1st floor hallway / Pressure testing	<0.002
11/07/19	3	2nd floor hallway / None	<0.002
11/07/19	4	Service floor hallway / None	<0.002
11/07/19	5	1st floor hallway / None	<0.002
11/07/19	6	2nd floor hallway / None	<0.002
11/07-08/19	7	Service floor hallway / Drywall patch work	<0.002
11/07-08/19	8	1st floor hallway / None	<0.002
11/07-08/19	9	2nd floor hallway / None	<0.002
11/08/19	1	Service floor hallway / General construction work	<0.002
11/08/19	2	1st floor hallway / Drywall patching and painting	<0.002
11/08/19	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:	11/4/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Jesse Sanchez
Date Analyzed:	11/4/19

Prevalent 24/7 Air Monitoring Data 1st Shift

Sample ID: 1	Start time: 0605	End time: 1405
Sample location: Service Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 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: Pressure 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: 1.5	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:	11/4/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Christopher Cañas
Date Analyzed:	11/4/19

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: 2.5	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: 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:	11/4 - 11/5/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Jesse Sanchez
Date Analyzed:	11/5/19

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

Sample ID: 10	Start time: *	End time: *
Sample location: Field blank	Flow rate (LPM): *	
	Total time: *	Total volume: *
Work activity:	No of fibers: 0	No of fields: 100
	Airborne fiber concentration (fibers/cc): 0	
Other comments:		

Sample ID: 11	Start time: *	End time: *
Sample location: Sealed blank	Flow rate (LPM): *	
	Total time: *	Total volume: *
Work activity:	No of fibers: 0	No of fields: 100
	Airborne fiber concentration (fibers/cc): 0	
Other comments:		

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

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	11/5/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Zach Rosas
Date Analyzed:	11/5/19

Prevalent 24/7 Air Monitoring Data 1st Shift

Sample ID: 1	Start time: 0606	End time: 1406
Sample location: Service Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: Painting	No of fibers: 1	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 2	Start time: 0609	End time: 1409
Sample location: 1st Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: Pressure testing	No of fibers: 1.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 3	Start time: 0611	End time: 1411
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:	11/5/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Christopher Cañas
Date Analyzed:	11/5/19

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: 2.0	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: 2.0	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:	11/5 - 6/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Navid Salari
Date Analyzed:	11/6/19

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: 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: None	No of fibers: 2	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 10	Start time: *	End time: *
Sample location: Field blank	Flow rate (LPM): *	
	Total time: *	Total volume: *
Work activity:	No of fibers: 0	No of fields: 100
	Airborne fiber concentration (fibers/cc): 0	
Other comments:		

Sample ID: 11	Start time: *	End time: *
Sample location: Sealed blank	Flow rate (LPM): *	
	Total time: *	Total volume: *
Work activity:	No of fibers: 0	No of fields: 100
	Airborne fiber concentration (fibers/cc): 0	
Other comments:		

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

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	11/6/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Zack Rosas
Date Analyzed:	11/6/19

Prevalent 24/7 Air Monitoring Data 1st Shift

Sample ID: 1	Start time: 0605	End time: 1405
Sample location: Service Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: General Construction 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: Drywall patching sand painting	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)	: Navid Salari	1
Signature	: Navid Salari	

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	11/6/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Christopher Cañas
Date Analyzed:	11/6/19

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

PCM/TEM Sample Data Sheet

24 Hour Air Monitoring 3rd Shift

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine
Sample Date:	11/06/19-11.07.19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Zachary Rosas
Date Analyzed:	11/07/19

Sample ID: 7	Start time: 2205	End time: 0605
Sample location: Service Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480 min	Total volume:1,200L
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): 2.5	
	Total time: 480 min	Total volume: 1,200L
Work activity: None	No of fibers: 2.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 9	Start time: 2211	End time: 0611
Sample location: 2nd Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480 min	Total volume: 1,200L
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: 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):	
Other comments:		

Sample ID: 11	Start time: *	End time: *
Sample location: Sealed blank	Flow rate (LPM): *	
	Total time:	Total volume:
Work activity:	No of fibers: 0.0	No of fields: 100
	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): 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:	11/07/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Zachary Rosas
Date Analyzed:	11/7/19

Prevalent 24/7 Air Monitoring Data 1st Shift

Sample ID: 1	Start time: 0605	End time: 1405
Sample location: Service Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: Painting, Drywall patching	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: Pressure testing	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)	: Zachary Rosas	1
Signature	: Zachary Rosas	

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	11/7/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Christopher Cañas
Date Analyzed:	11/7/19

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: 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	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:	11/7-11/8/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Heri Rodriguez
Date Analyzed:	11/8/19

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: Drywall patch work.	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: 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: 3	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:	11/08/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Heri Rodriguez
Date Analyzed:	11/08/19

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: General Construction work	No of fibers: 3.5	No of fields: 100
Electrical	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: Drywall patching and painting	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: 4	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: 11/4/2019
Project Name: 24/7	Omega Representative: Jesse Sanchez
Project Address: Rowland Hall Irvine, CA UCI	
Client Contact:	
Client Phone #:	

TIME AND ACTIVITY

0500	**Omega Jesse arrives on-site to start 5 am shift, at this time Omega walks the site to check on any activities + prep**
	PCM cassettes to set up at 6 am.
0605	**Omega mobilize to set up samples Scope of work: Work will consist of pressure testing fire sprinklers on the 2nd**
	Floor.
0700	**At this time Omega walks the site to check on the work activities + check on the low flow pumps.**
0800	**No issues to report, work continues to move forward + student and staff walk throughout the hallways.**
0900	**Low flow samples continue to flow at 2.5 LPM.**
1000	**No issues to report at this time, students and staff continue to roam the hallways.**
1100	**Omega walks the site to check on any work activities.**
1200	**No issues to report at this time, samples continue to flow at 2.5 LPM.**
1300	**Omega preps another batch of PCM cassettes at this time.**
1405	**Omega begin to demobilize PCM air samples and set up new batch.**
1505	**Omega sends PCM results to UCI Reps. + Omega Rep. Navid Salari.**
1600	**No issues to report at this time, pumps continue to flow at 2.5 LPM.**
1700	**At this time Omega Rep. Jesse is relieved from the site, Omega Chris Canas is on site to start 5 pm shift.**

Omega Site Representative Signature: Jesse Sanchez	Date: 11/4/2019

Field Notes

PROJECT NAME	UCI Rowland Hall	SITE CONTACT	Susan Robb
PROJECT NUMBER	2019-3427UCI	CLIENT NUMBER	(949) 233-8889
DATE	11/4/2019	IH NAME	Christopher Cañas

5:00pm: Omega Representative Christopher Cañas on site.
6:00pm: No work going on at this time.
7:00pm: No work going on at this time.
8:30pm: 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: No work going on at this time
12:00am: No work going on at this time
1:30am: No work going on at this time
3:00am: No work going on at this time
4:00am: Checked on Pumps; they are operating as intended.
5:30am: 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: 11/5/2019
Project Name: 24/7	Omega Representative: Jesse Sanchez
Project Address: Rowland Hall Irvine, CA UCI	
Client Contact:	
Client Phone #:	

TIME AND ACTIVITY

0500	**Omega Jesse arrives on-site to start 5 am shift, at this time Omega walks the site to check on any activities + prep**
	PCM cassettes to set up at 6 am.
0605	**Omega mobilize to set up samples Scope of work: Work will consist of pressure testing fire sprinklers on the 2nd**
	Floor + painting on the service floor.
0700	**At this time Omega walks the site to check on the work activities + check on the low flow pumps.**
0800	**No issues to report, work continues to move forward + student and staff walk throughout the hallways.**
0900	**Low flow samples continue to flow at 2.5 LPM.**
1000	**No issues to report at this time, students and staff continue to roam the hallways.**
1100	**Omega walks the site to check on any work activities.**
1200	**No issues to report at this time, samples continue to flow at 2.5 LPM.**
1300	**Omega Jesse is relieved from the site, Omega Zach Rosas is on site for 1 pm shift**

Omega Site Representative Signature: Jesse Sanchez	Date: 11/5/2019

Field Notes

PROJECT NAME	UCI Rowland Hall	SITE CONTACT	Susan Robb
PROJECT NUMBER	2019-3427UCI	CLIENT NUMBER	(949) 233-8889
DATE	11/05/2019	IH NAME	Zachary Rosas

1300: Omega on site. Pumps checked; they are working as intended. Painting happening on Service floor.
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. Floor tile installation ongoing.
1500: Pumps checked; they are working as intended. Painting on service floor ending.
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 painting 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	11/5/2019	IH NAME	Christopher Cañas

9:00pm: Omega Representative Christopher Cañas on site.
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: No work going on at this time
12:00am: No work going on at this time
1:30am: No work going on at this time
3:00am: No work going on at this time
4:00am: Checked on Pumps; they are operating as intended.
5:30am: 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: 11/06/2019
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

0600	Omega Navid Salari arrives on-site to start morning shift (1st shift on 11/6). Air samples from previous 3rd shift, were
	Read on site and posted at the 1st floor lobby area
0700	Patching and painting in progress, 1st floor. General construction work in the service level, hallways
0800	Area air samples in progress at service level, 1st and 2nd floors, no issue to report
0900	Patching and painting in progress at the 1st floor. General construction work at service level.
1000	Patching and painting in progress at 1st floor. General construction work at service level.
1100	Patching and painting in progress at 1st floor. General construction work at service level.
1200	Area air samples in progress at service level, 1st and 2nd floors., 1st shift off
1300	Area air samples in progress at service level, 1st and 2nd floors., 1st shift off site

Omega Site Representative Signature: Navid Salari	Date: 11/06/19

Field Notes

PROJECT NAME	UCI Rowland Hall	SITE CONTACT	Susan Robb
PROJECT NUMBER	2019-3427UCI	CLIENT NUMBER	(949) 233-8889
DATE	11/06/2019	IH NAME	Zachary Rosas

1300: Omega on site. Pumps checked; they are working as intended.
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. Floor tile installation ongoing.
1500: Pumps checked; they are working as intended.
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.

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	11/6/2019	IH NAME	Christopher Cañas

5:00pm: Omega Representative Christopher Cañas on site.
6:00pm: No work going on at this time.
7:00pm: No work going on at this time.
8:30pm: 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: No work going on at this time
12:00am: No work going on at this time
1:30am: No work going on at this time
3:00am: No work going on at this time
4:00am: Checked on Pumps; they are operating as intended.
5:30am: 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	11/07/2019	IH NAME	Zachary Rosas

0500: Omega on site. Pumps checked; they are working as intended. Painting, drywall patching, and sprinkler installation happening on service floor.
0600: 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.
0700: Pumps checked; they are working as intended. Painting, drywall patching, and sprinkler installation ongoing.
0800: Pumps checked; they are working as intended. Painting, drywall patching, and sprinkler installation ongoing.
0900: Pumps checked; they are working as intended. Painting, drywall patching, and sprinkler installation ongoing.
1000: Pumps checked; they are working as intended. No work currently happening throughout building.
1100: Pumps checked; they are working as intended. No work currently happening throughout building. Results from 3 consecutive shifts printed and posted at 1st floor lobby.
1200: Pumps checked; they are working as intended. No work currently happening throughout building.
1300: 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. Basecove and tile installation ongoing.
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. Work during shift consisted of Painting and drywall patching on service floor.

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	11/7/2019	IH NAME	Christopher Cañas

5:00pm: Omega Representative Christopher Cañas on site.
6:00pm: No work going on at this time.
7:00pm: No work going on at this time.
8:30pm: 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: No work going on at this time
12:00am: No work going on at this time
1:30am: No work going on at this time
3:00am: No work going on at this time
4:00am: Checked on Pumps; they are operating as intended.
5:30am: 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

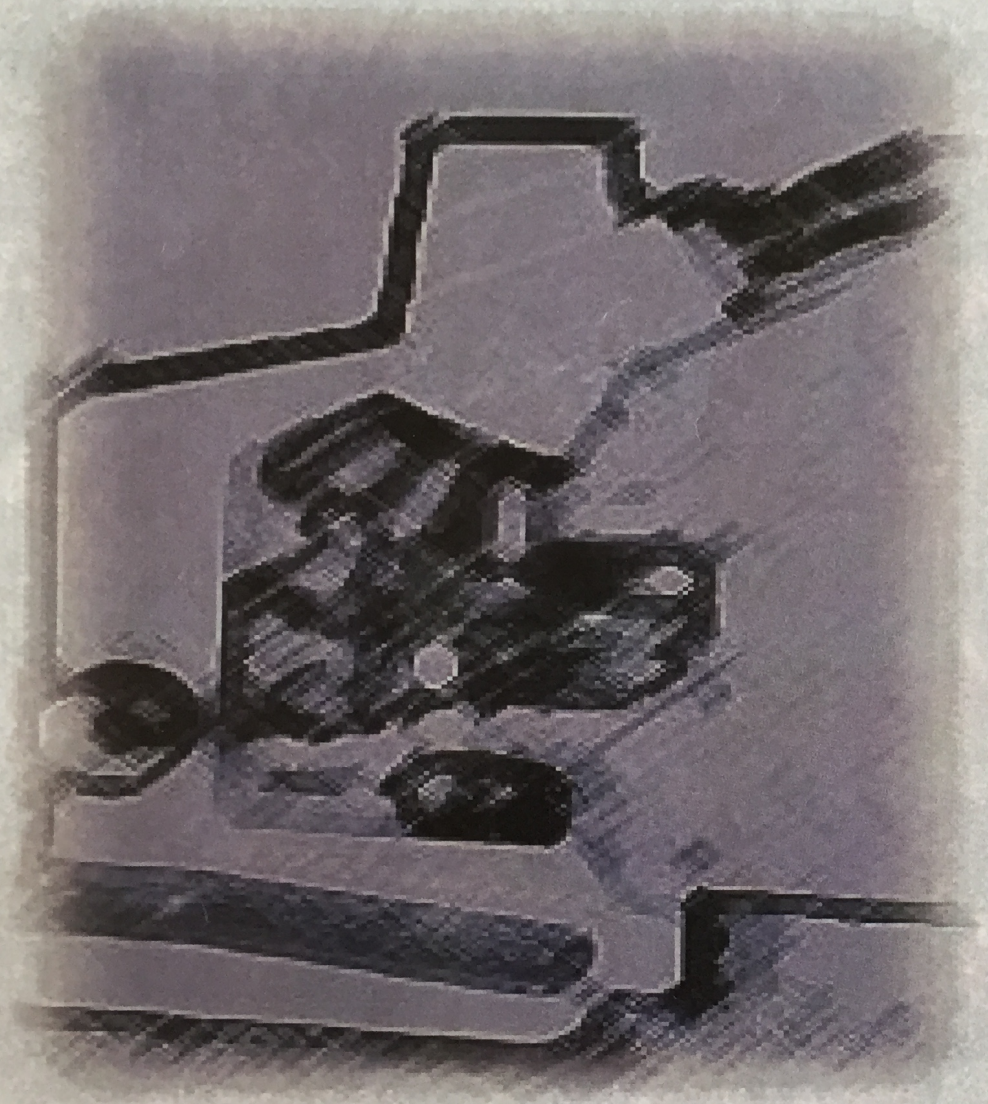
Field Notes

PROJECT NAME	UCI Rowland Hall	SITE CONTACT	Susan Robb
PROJECT NUMBER	2019-3427UCI	CLIENT NUMBER	(949) 233-8889
DATE 11/08/2019		IH NAME	Heri Rodriguez

05:00- Arrived on site, BNB worker patching up drywall in the service hallway west area, Electricians have arrived on site they will continue work at service level north end.
06:15- 24/7 Samples collected, will analyze soon.
07:30-Electrical and drywall work continues at service area labs drywall work throughout different levels. 24/7 Samples Analyzed, results are below the clearance criteria of 0.01 f/cc, Omega will post results at 1st floor elevator lobby soon.
07:30-All pumps are working properly, 3rd shift samples analyzed and posted.
08:45- Prevalent air sampling continues, all pumps working.
09:40- No change in conditions. Equipment properly working. Electrical and other construction work ongoing at service level lab areas. BNB continues drywall patch back throughout the building
10:00- All pumps are working properly. No change in activities. Electrical work continues at service level drywall repair at other areas. No visible dust near sampling equipment or other student/staff occupied areas.
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.
13:30- All equipment is working fine at this time. Construction work for today has ceased, electricians start leaving.
15:00 -End Of shift, all samples taken are below 0.01 f/cc, Results posted- Off site.

Omega IH Signature: Heri Rodriguez


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 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

NATEC International, Inc.

National Association of Training and Environmental Consulting

Anaheim, CA • Oakland, CA • Fresno, CA • Sacramento, CA

Asbestos • Lead • Mold • HAZWOPER

P.O. Box 25205 Anaheim, CA 92825-5205

(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

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

NATEC International, Inc.
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Anaheim, CA • Oakland, CA • Fresno, CA • Sacramento, CA
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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.

Applied Petrography Incorporated

This is to certify
that

Navid Salari

has satisfactorily completed all the requirements for

Sampling and Evaluating Airborne Asbestos Dust

NIOSH 582

on this the twenty-seventh day of September, 1991.

Course # 910927-1

SS# _____

Director

President

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

Project Number 2019-3427UCI
December 3, 2019

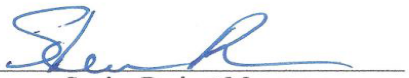
Prepared For:

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 non-asbestos construction activities throughout the subject building.

Christopher Canas, a California Certified Site Surveillance Technician (CSST #16-5978) and Zach Rosas, an EPA-AHERA[1] Building Inspector and Contractor Supervisor, with Omega Environmental Services, Inc. (Omega) performed the air monitoring from November 12 through November 15, 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)
11/12/19	1	Service floor hallway / Drywall installation and restroom finishes	<0.002
11/12/19	2	1st floor hallway / Restroom finishes	<0.002
11/12/19	3	2nd floor hallway / Ceiling tile replacement and restroom finishes	<0.002
11/12/19	4	3rd floor hallway / Restroom finishes	<0.002
11/12/19	5	4th floor hallway / Ceiling tile replacement and restroom finishes	<0.002
11/12/19	6	5th floor hallway / Restroom finishes	<0.002
11/12/19	7	Service floor hallway / None	<0.002
11/12/19	8	1st floor hallway / None	<0.002
11/12/19	9	2nd floor hallway / None	<0.002
11/12-13/19	10	Service floor hallway / None	<0.002
11/12-13/19	11	1st floor hallway / None	<0.002
11/12-13/19	12	2nd floor hallway / None	<0.002
11/13/19	1	Service floor hallway / General construction	<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)
11/13/19	2	1st floor hallway / Patching and painting	<0.002
11/13/19	3	2nd floor hallway / None	<0.002
11/13/19	4	Service floor hallway / None	<0.002
11/13/19	5	1st floor hallway / None	<0.002
11/13/19	6	2nd floor hallway / None	<0.002
11/13-14/19	7	Service floor hallway / None	<0.002
11/13-14/19	8	1st floor hallway / None	<0.002
11/13-14/19	9	2nd floor hallway / None	<0.002
11/14/19	1	Service floor hallway / Painting	<0.002
11/14/19	2	1st floor hallway / General construction, drywall patching	<0.002
11/14/19	3	2nd floor hallway / None	<0.002
11/14/19	4	Service floor hallway / None	<0.002
11/14/19	5	1st floor hallway / None	<0.002
11/14/19	6	2nd floor hallway / None	<0.002
11/14-15/19	7	Service floor hallway / None	<0.002
11/14-15/19	8	1st floor hallway / None	<0.002
11/14-15/19	9	2nd floor hallway / None	<0.002
11/15/19	1	Service floor hallway / Painting, general construction, tile installation	<0.002
11/15/19	2	1st floor hallway / None	<0.002
11/15/19	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

PCM Sample Data Sheet

24 Hour Air Monitoring 1st Shift

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine
Sample Date:	11/12/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Zachary Rosas
Date Analyzed:	11/12/19

Sample ID: 1	Start time: 0600	End time: 1400
Sample location: Service Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480 min	Total volume:1,200L
Work activity: Drywall installation	No of fibers: 3	No of fields: 100
Restroom finishes	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 2	Start time: 0603	End time: 1403
Sample location: 1st Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480 min	Total volume: 1,200L
Work activity: Restroom finishes	No of fibers: 2.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 3	Start time: 0606	End time: 1406
Sample location: 2nd Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480 min	Total volume: 1,200L
Work activity: Ceiling tile replacement	No of fibers: 1	No of fields: 100
Restroom finishes	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 4	Start time: 0610	End time: 1410
Sample location: 3rd Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480 min	Total volume: 1,200L
Work activity: Restroom finishes	No of fibers: 2	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 5	Start time: 0613	End time: 1413
Sample location: 4th Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480 min	Total volume: 1,200L
Work activity: Ceiling tile installation, Restroom finishes	No of fibers: 3	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 6	Start time: 0615	End time: 1415
Sample location: 5th Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480 min	Total volume: 1200L
Work activity: Restroom finishes	No of fibers: 1.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample name (print)	: Zachary Rosas	
Signature	: Zachary Rosas	Page 1

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	11/12/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Christopher Cañas
Date Analyzed:	11/12/19

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	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:	11/12-13/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Zach Rosas
Date Analyzed:	11/12-13/19

Prevalent 24/7 Air Monitoring Data 3rd Shift

Sample ID: 10	Start time: 2200	End time: 0600
Sample location: Service Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 3	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 11	Start time: 2202	End time: 0602
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: 12	Start time: 2204	End time: 0604
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:	No of fields:
	Airborne fiber concentration (fibers/cc):	
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:	No of fields:
	Airborne fiber concentration (fibers/cc):	
Other comments:		

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

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	11/13/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Zach Rosas
Date Analyzed:	11/13/19

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: General construction	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: Patching & painting	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: 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:	11/13/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Christopher Cañas
Date Analyzed:	11/13/19

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:		

PCM Sample Data Sheet

24 Hour Air Monitoring 3rd Shift

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine
Sample Date:	11/13-14/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Zachary Rosas
Date Analyzed:	11/13-14/19

Sample ID: 7	Start time: 2203	End time: 0603
Sample location: Service Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480 min	Total volume:1,200L
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: 2205	End time: 0605
Sample location: 1st Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480 min	Total volume: 1,200L
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: 2208	End time: 0608
Sample location: 2nd Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480 min	Total volume: 1,200L
Work activity: None	No of fibers: 1.5	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:	No of fibers: 0.0	No of fields: 100
	Airborne fiber concentration (fibers/cc): 0	
Other comments:		

Sample ID: 11	Start time:	End time:
Sample location: Sealed blank	Flow rate (LPM):	
	Total time:	Total volume:
Work activity:	No of fibers: 0.0	No of fields: 100
	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)	: Zachary Rosas	
Signature	: Zachary Rosas	3

PCM Sample Data Sheet

24 Hour Air Monitoring 1st Shift

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine
Sample Date:	11/14/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Zachary Rosas
Date Analyzed:	11/14/19

Sample ID: 1	Start time: 0602	End time: 1402
Sample location: Service Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480 min	Total volume:1,200L
Work activity: Painting	No of fibers: 4	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 2	Start time: 0605	End time: 1405
Sample location: 1st Floor Hallway	Flow rate (LPM): 1	
	Total time: 480 min	Total volume: 1,200L
Work activity: General construction, drywall patching	No of fibers: 2	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 3	Start time: 0608	End time: 1408
Sample location: 2nd Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480 min	Total volume: 1,200L
Work activity: None	No of fibers: 1.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
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 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 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)	: Zachary Rosas	
Signature	: Zachary Rosas	

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	11/14/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Christopher Cañas
Date Analyzed:	11/14/19

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

PCM Sample Data Sheet

24 Hour Air Monitoring 3rd Shift

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine
Sample Date:	11/14-15/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Zachary Rosas
Date Analyzed:	11/14-15/19

Sample ID: 7	Start time: 2202	End time: 0602
Sample location: Service Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480 min	Total volume:1,200L
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: 2205	End time: 0605
Sample location: 1st Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480 min	Total volume: 1,200L
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: 2207	End time: 0607
Sample location: 2nd Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480 min	Total volume: 1,200L
Work activity: None	No of fibers: 1.5	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:	No of fibers: 0.0	No of fields: 100
	Airborne fiber concentration (fibers/cc): 0.0	
Other comments:		

Sample ID: 11	Start time:	End time:
Sample location: Sealed blank	Flow rate (LPM):	
	Total time:	Total volume:
Work activity:	No of fibers: 0.0	No of fields: 100
	Airborne fiber concentration (fibers/cc): 0.0	
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)	: Zachary Rosas	
Signature	: Zachary Rosas	Page 3 of 3

PCM Sample Data Sheet

24 Hour Air Monitoring 1st Shift

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine
Sample Date:	11/15/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Zachary Rosas
Date Analyzed:	11/15/19

Sample ID: 1	Start time: 0602	End time: 1402
Sample location: Service Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480 min	Total volume:1,200L
Work activity: Painting, general construction, tile installation.	No of fibers: 3	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 2	Start time: 0605	End time: 1405
Sample location: 1st Floor Hallway	Flow rate (LPM): 1	
	Total time: 480 min	Total volume: 1,200L
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: 0609	End time: 1409
Sample location: 2nd Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480 min	Total volume: 1,200L
Work activity: None	No of fibers: 1	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 4	Start time:	End time:
Sample location: Field blank	Flow rate (LPM):	
	Total time:	Total volume:
Work activity:	No of fibers: 0.0	No of fields: 100
	Airborne fiber concentration (fibers/cc): 0	
Other comments:		

Sample ID: 5	Start time:	End time:
Sample location: Sealed blank	Flow rate (LPM):	
	Total time:	Total volume:
Work activity:	No of fibers: 0.0	No of fields: 100
	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)	: Zachary Rosas	
Signature	: Zachary Rosas	Page 1 of 1

Field Notes

PROJECT NAME	UCI Rowland Hall	SITE CONTACT	Susan Robb
PROJECT NUMBER	2019-3427UCI	CLIENT NUMBER	(949) 233-8889
DATE	11/12/2019	IH NAME	Zachary Rosas

0500: Omega on site. Pumps checked; they are working as intended. Restroom finishes happening on all floors. Drywall installation on service floor. Ceiling tile replacement on second floor and installation on fourth floor.
0600: 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.
0700: Pumps checked; they are working as intended. Restroom finishes and tile installation ongoing.
0800: Pumps checked; they are working as intended. Restroom finishes and tile installation ongoing.
0900: Pumps checked; they are working as intended. Restroom finishes and tile installation ongoing.
1000: Pumps checked; they are working as intended. Restroom finishes and tile installation ongoing.
1100: Pumps checked; they are working as intended. Restroom finishes and tile installation ongoing.
1200: Pumps checked; they are working as intended. No work currently happening throughout building.
1300: Pumps checked; they are working as intended. No work currently happening throughout building.
1400: Samples taken from pumps on floors 1, 2, 3, 4, 5 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. 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. Work during shift consisted of Restroom finishes and tile installation.

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	11/12/2019	IH NAME	Christopher Cañas

5:00pm: Omega Representative Christopher Cañas on site.
6:00pm: No work going on at this time.
7:00pm: No work going on at this time.
8:30pm: 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: No work going on at this time
12:00am: No work going on at this time
1:30am: No work going on at this time
3:00am: No work going on at this time
4:00am: Checked on Pumps; they are operating as intended.
5:30am: 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: 11/13/2019
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

0600	Omega Navid Salari arrives on-site to start morning shift (1st shift on 11/13). Air samples from previous 3rd shift, were Read on site.
0700	General construction work in progress at the Service level. Results from previous 24-hours air sampling were posted at the 1st floor lobby area
0800	Area air samples in progress at service level, 1st and 2nd floors, patching drywall and painting in progress at 1st floor
0900	Patching drywall and painting in progress in 1st floor. Area air samples in progress
1000	Patching/painting in progress at the 1st floor. General construction/electrical work in progress at the Service level.
1100	General construction/electrical work in progress at the Service level. Area air samples in progress
1200	Area air samples in progress at service level, 1st and 2nd floors.
1300	General construction work in progress at the Service level and 1st floor. Area air samples in progress

Omega Site Representative Signature: Navid Salari	Date: 11/13/19

Field Notes

PROJECT NAME	UCI Rowland Hall	SITE CONTACT	Susan Robb
PROJECT NUMBER	2019-3427UCI	CLIENT NUMBER	(949) 233-8889
DATE	11/13/2019	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. Basecove and tile installation ongoing.
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 occurred 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	11/13/2019	IH NAME	Christopher Cañas

9:00pm: Omega Representative Christopher Cañas on site.
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: No work going on at this time
12:00am: No work going on at this time
1:30am: No work going on at this time
3:00am: No work going on at this time
4:00am: Checked on Pumps; they are operating as intended.
5:30am: 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: 12:00am: Christopher Cañas

Field Notes

PROJECT NAME	UCI Rowland Hall	SITE CONTACT	Susan Robb
PROJECT NUMBER	2019-3427UCI	CLIENT NUMBER	(949) 233-8889
DATE	11/14/2019	IH NAME	Zachary Rosas

0500: Omega on site. Pumps checked; they are working as intended. Painting occurring on service floor. General construction and drywall patching at 1st floor.
0600: 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. Painting, general construction, and drywall patching ongoing.
0700: Pumps checked; they are working as intended. Painting, general construction, and drywall patching ongoing.
0800: Pumps checked; they are working as intended. Painting, general construction, and drywall patching ongoing.
0900: Pumps checked; they are working as intended. Painting, general construction, and drywall patching ongoing.
1000: Pumps checked; they are working as intended. Painting, general construction, and drywall patching ongoing.
1100: Pumps checked; they are working as intended. Painting, general construction, and drywall patching ongoing.
1200: Pumps checked; they are working as intended. No work currently happening throughout building.
1300: 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 happening 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. Work during shift consisted of Painting, general construction, and drywall patching

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	11/14/2019	IH NAME	Christopher Cañas

5:00pm: Omega Representative Christopher Cañas on site.
6:00pm: No work going on at this time.
7:00pm: No work going on at this time.
8:30pm: 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: No work going on at this time
12:00am: No work going on at this time
1:30am: No work going on at this time
3:00am: No work going on at this time
4:00am: Checked on Pumps; they are operating as intended.
5:30am: 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	11/15/2019	IH NAME	Zachary Rosas

0500: Omega on site. Pumps checked; they are working as intended. Painting, general construction and tile installation happening at service floor.
0600: 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. Painting, general construction, and tile installation at service floor ongoing.
0700: Pumps checked; they are working as intended. Painting, general construction, and tile installation at service floor ongoing.
0800: Pumps checked; they are working as intended. Painting, general construction, and tile installation at service floor ongoing.
0900: Pumps checked; they are working as intended. Painting, general construction, and tile installation at service floor ongoing.
1000: Pumps checked; they are working as intended. Painting, general construction, and tile installation at service floor ongoing.
1100: Pumps checked; they are working as intended. No work currently happening throughout building.
1200: Pumps checked; they are working as intended. No work currently happening throughout building.
1300: 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 happening throughout building.
1500: Omega off site; No work currently happening throughout building.

Omega IH Signature: Zachary Rosas

State of California
Division of Occupational Safety and Health

Certified Site Surveillance Technician

Christopher E Canas
Name

Certification No. 16-5978

Expires on 08/16/20

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 Training Program

This is to certify

Christopher Canas

****

Has successfully completed 40 hours
of formal training entitled

NIOSH 582
Equivalency

Presented By

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

Director: _____
Walter T. Amenta, CIH

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

Certificate Of 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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P.O. Box 25205 Anaheim, CA 92825-5205

(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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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.

Applied Petrography Incorporated

This is to certify
that

Navid Salari

has satisfactorily completed all the requirements for

Sampling and Evaluating Airborne Asbestos Dust

NIOSH 582

on this the twenty-seventh day of September, 1991.

Course # 910927-1

SS# _____

Director

President

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

Project Number 2019-3427UCI
December 19, 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
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 non-asbestos construction activities throughout the subject building.

Christopher Canas, a California Certified Site Surveillance Technician (CSST #16-5978), and Zach Rosas, an EPA-AHERA[1] Building Inspector and Contractor Supervisor, with Omega Environmental Services, Inc. (Omega) performed the air monitoring from November 25 through November 27, 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)
11/25/19	1	Service floor hallway / Mudding, electrical and general construction	<0.002
11/25/19	2	1st floor hallway / General construction	<0.002
11/25/19	3	2nd floor hallway / None	<0.002
11/25/19	4	Service floor hallway / None	<0.002
11/25/19	5	1st floor hallway / None	<0.002
11/25/19	6	2nd floor hallway / None	<0.002
11/25-26/19	7	Service floor hallway / None	<0.002
11/25-26/19	8	1st floor hallway / None	<0.002
11/25-26/19	9	2nd floor hallway / None	<0.002
11/26/19	1	Service floor hallway / Mudding, electrical and general construction	<0.002
11/26/19	2	1st floor hallway / General construction	<0.002
11/26/19	3	2nd floor hallway / None	<0.002

[1] Asbestos Hazard Emergency Response Act

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

Date	Sample #	Sample Locations / Work Activity	Result (f/cc)
11/26/19	4	Service floor hallway / None	<0.002
11/26/19	5	1st floor hallway / None	<0.002
11/26/19	6	2nd floor hallway / None	<0.002
11/26-27/19	7	Service floor hallway / None	<0.002
11/26-27/19	8	1st floor hallway / None	<0.002
11/26-27/19	9	2nd floor hallway / None	<0.002
11/27/19	1	Service floor hallway / Electrical and general construction	<0.002
11/27/19	2	1st floor hallway / None	<0.002
11/27/19	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:	11/25/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Zach Rosas
Date Analyzed:	11/25/19

Prevalent 24/7 Air Monitoring Data 1st Shift

Sample ID: 1	Start time: 0600	End time: 1400
Sample location: Service Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: Mudding, Electrical, General	No of fibers: 2	No of fields: 100
Construction	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 2	Start time: 0603	End time: 1403
Sample location: 1st Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: General Construction	No of fibers: 3	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 3	Start time: 0605	End time: 1405
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:		

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	11/25/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Christopher Cañas
Date Analyzed:	11/26/19

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: 2.5	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: 1.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

PCM Sample Data Sheet

24 Hour Air Monitoring 3rd Shift

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine
Sample Date:	11/25-26/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Zachary Rosas
Date Analyzed:	11/25-26/19

Sample ID: 7	Start time: 2202	End time: 0602
Sample location: Service Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480 min	Total volume:1,200L
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: 2205	End time: 0605
Sample location: 1st Floor Hallway	Flow rate (LPM): 1	
	Total time: 480 min	Total volume: 1,200L
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: 2208	End time: 0608
Sample location: 2nd Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480 min	Total volume: 1,200L
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:	No of fibers: 0.0	No of fields: 100
	Airborne fiber concentration (fibers/cc): 0	
Other comments:		

Sample ID: 11	Start time: *	End time: *
Sample location: Sealed blank	Flow rate (LPM): *	
	Total time: *	Total volume: *
Work activity:	No of fibers: 0.0	No of fields: 100
	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)	: Christopher Cañas	
Signature	: Christopher Cañas	

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	11/26/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Zach Rosas
Date Analyzed:	11/26/19

Prevalent 24/7 Air Monitoring Data 1st Shift

Sample ID: 1	Start time: 0600	End time: 1400
Sample location: Service Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: Mudding, Electrical, General	No of fibers: 2.5	No of fields: 100
Construction	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 2	Start time: 0603	End time: 1403
Sample location: 1st Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: General Construction	No of fibers: 3	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 3	Start time: 0605	End time: 1405
Sample location: 2nd 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:		

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	11/26/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Christopher Cañas
Date Analyzed:	11/26/19

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: 0.5	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:		

PCM Sample Data Sheet

24 Hour Air Monitoring 3rd Shift

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine
Sample Date:	11/26-27/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Zachary Rosas
Date Analyzed:	11/26-27/19

Sample ID: 7	Start time: 2200	End time: 0600
Sample location: Service Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480 min	Total volume:1,200L
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: 2204	End time: 0604
Sample location: 1st Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480 min	Total volume: 1,200L
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: 2208	End time: 0608
Sample location: 2nd Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480 min	Total volume: 1,200L
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:	No of fibers: 0.0	No of fields: 100
	Airborne fiber concentration (fibers/cc): 0	
Other comments:		

Sample ID: 11	Start time: *	End time: *
Sample location: Batch 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	
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)	: Christopher Cañas	
Signature	: Christopher Cañas	3

PCM Sample Data Sheet

24 Hour Air Monitoring 1st Shift

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine
Sample Date:	11/27/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Zachary Rosas
Date Analyzed:	11/27/19

Sample ID: 1	Start time: 0600	End time: 1400
Sample location: Service Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480 min	Total volume:1,200L
Work activity: Electrical, general construction	No of fibers: 2	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 2	Start time: 0603	End time: 1403
Sample location: 1st Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480 min	Total volume: 1,200L
Work activity: None	No of fibers: 3.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 3	Start time: 0606	End time: 1406
Sample location: 2nd Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480 min	Total volume: 1,200L
Work activity: None	No of fibers: 1.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 4	Start time: *	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	
Other comments:		

Sample ID: 5	Start time: *	End time: *
Sample location: Sealed blank	Flow rate (LPM): *	
	Total time:	Total volume:
Work activity:	No of fibers: 0.0	No of fields: 100
	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)	: Zachary Rosas
Signature	: Zachary Rosas

Field Notes

PROJECT NAME	UCI Rowland Hall	SITE CONTACT	Susan Robb
PROJECT NUMBER	2019-3427UCI	CLIENT NUMBER	(949) 233-8889
DATE	11/25/2019	IH NAME	Zachary Rosas

0500: Omega on site. Pumps checked; they are working as intended. Conduit installation, painting, and general construction on service floor.
0600: Pumps checked; they are working as intended. Conduit installation, painting, and general construction on service floor.
0700: Pumps checked; they are working as intended. Electrical installation, painting, and general construction ongoing at service level.
0800: Pumps checked; they are working as intended. Electrical installation, painting, and general construction ongoing at service level.
0900: Pumps checked; they are working as intended. Electrical installation, painting, and general construction ongoing at service level.
1000: Pumps checked; they are working as intended. Electrical installation, painting, and general construction ongoing at service level.
1100: Pumps checked; they are working as intended. Electrical installation, painting, and general construction ongoing at service level.
1200: Pumps checked; they are working as intended. Electrical installation, painting, and general construction ongoing at service level.
1300: Pumps checked; they are working as intended. Electrical installation and general construction ongoing 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. Electrical installation ongoing.
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. Work during shift consisted of electrical installation and general construction 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	11/25/2019	IH NAME	Christopher Cañas

5:00pm: Omega Representative Christopher Cañas on site.
6:00pm: No work going on at this time.
7:00pm: No work going on at this time.
8:30pm: 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: No work going on at this time
12:00am: No work going on at this time
1:30am: No work going on at this time
3:00am: No work going on at this time
4:00am: Checked on Pumps; they are operating as intended.
5:30am: 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	11/26/2019	IH NAME	Zachary Rosas

0500: Omega on site. Pumps checked; they are working as intended. Conduit installation, painting happening on service level.
0600: 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. Conduit installation, painting happening on service level.
0700: Pumps checked; they are working as intended. Conduit installation, painting ongoing on service level.
0800: Pumps checked; they are working as intended. Conduit installation, painting ongoing on service level.
0900: Pumps checked; they are working as intended. Conduit installation, painting ongoing on service level.
1000: Pumps checked; they are working as intended. Conduit installation, painting ongoing on service level.
1100: Pumps checked; they are working as intended. Conduit installation, painting ongoing on service level.
1200: Pumps checked; they are working as intended. Conduit installation, painting ongoing on service level.
1300: Pumps checked; they are working as intended. Conduit installation, painting ongoing 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. Electrical installation ongoing.
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. Work during shift consisted of electrical installation and general construction 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	11/26/2019	IH NAME	Christopher Cañas

5:00pm: Omega Representative Christopher Cañas on site.
6:00pm: No work going on at this time.
7:00pm: No work going on at this time.
8:30pm: 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: No work going on at this time
12:00am: No work going on at this time
1:30am: No work going on at this time
3:00am: No work going on at this time
4:00am: Checked on Pumps; they are operating as intended.
5:30am: 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	11/27/2019	IH NAME	Zachary Rosas

0500: Omega on site. Pumps checked; they are working as intended. Painting, electrical, and general construction on service level. General construction at 1st floor.
0600: 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. Results from 3 previous shifts posted. Painting, electrical, and general construction on service level. General construction at 1st floor.
0700: Pumps checked; they are working as intended. All work on service and 1st level ongoing.
0800: Pumps checked; they are working as intended. All work on service and 1st level ongoing.
0900: Pumps checked; they are working as intended. All work on service and 1st level ongoing.
1000: Pumps checked; they are working as intended. All work on service and 1st level ongoing.
1100: Pumps checked; they are working as intended. All work on service and 1st level ongoing.
1200: Pumps checked; they are working as intended. All work on service and 1st level ongoing.
1300: Pumps checked; they are working as intended. No work currently happening.
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 happening.
1500: Omega charges pumps for shifts next week. Work during shift consisted of mudding, electrical installation, and construction at service level. Work included construction at 1st level. Omega off site.

Omega IH Signature: Zachary Rosas

State of California
Division of Occupational Safety and Health

Certified Site Surveillance Technician

Christopher E Canas
Name

Certification No. 16-5978

Expires on 08/16/19

This certification was issued by the Division of Occupational Safety and Health as authorized by Sections 7180 et seq. of the Business and Professions Code.

Asbestos Training Program

This is to certify

Christopher Canas

****

Has successfully completed 40 hours
of formal training entitled

NIOSH 582
Equivalency

Presented By

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

Director: _____
Walter T. Amenta, CIH

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

Certificate Of 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.

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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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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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BAAQMD: Ph# (415) 749-4762

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NATEC International, Inc.
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*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.

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

Project Number 2019-3427UCI
December 19, 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
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 non-asbestos construction activities throughout the subject building.

Christopher Canas, a California Certified Site Surveillance Technician (CSST #16-5978) and Zach Rosas, an EPA-AHERA[1] Building Inspector and Contractor Supervisor, with Omega Environmental Services, Inc. (Omega) performed the air monitoring from December 2 through December 6, 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)
12/02/19	1	Service floor hallway / Conduit installation, painting and general construction	<0.002
12/02/19	2	1st floor hallway / None	<0.002
12/02/19	3	2nd floor hallway / None	<0.002
12/02/19	4	Service floor hallway / None	<0.002
12/02/19	5	1st floor hallway / None	<0.002
12/02/19	6	2nd floor hallway / None	<0.002
12/02-03/19	7	Service floor hallway / None	<0.002
12/02-03/19	8	1st floor hallway / None	<0.002
12/02-03/19	9	2nd floor hallway / None	<0.002
12/03/19	1	Service floor hallway / Conduit installation and painting	<0.002
12/03/19	2	1st floor hallway / None	<0.002
12/03/19	3	2nd floor hallway / None	<0.002

[1] Asbestos Hazard Emergency Response Act

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

Date	Sample #	Sample Locations / Work Activity	Result (f/cc)
12/03/19	4	Service floor hallway / None	<0.002
12/03/19	5	1st floor hallway / None	<0.002
12/03/19	6	2nd floor hallway / None	<0.002
12/03-04/19	7	Service floor hallway / None	<0.002
12/03-04/19	8	1st floor hallway / None	<0.002
12/03-04/19	9	2nd floor hallway / None	<0.002
12/04/19	1	Service floor hallway / Painting and electrical	<0.002
12/04/19	2	1st floor hallway / General construction	<0.002
12/04/19	3	2nd floor hallway / None	<0.002
12/04/19	4	Service floor hallway / None	<0.002
12/04/19	5	1st floor hallway / None	<0.002
12/04/19	6	2nd floor hallway / None	<0.002
12/04-05/19	7	Service floor hallway / None	<0.002
12/04-05/19	8	1st floor hallway / None	<0.002
12/04-05/19	9	2nd floor hallway / None	<0.002
12/05/19	1	Service floor hallway / Painting and electrical	<0.002
12/05/19	2	1st floor hallway / General construction	<0.002
12/05/19	3	2nd floor hallway / None	<0.002
12/05/19	4	Service floor hallway / None	<0.002
12/05/19	5	1st floor hallway / None	<0.002
12/05/19	6	2nd floor hallway / None	<0.002
12/05-06/19	7	Service floor hallway / None	<0.002
12/05-06/19	8	1st floor hallway / None	<0.002
12/05-06/19	9	2nd floor hallway / None	<0.002
12/06/19	1	Service floor hallway / Painting and general construction	<0.002
12/06/19	2	1st floor hallway / None	<0.002
12/06/19	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

PCM Sample Data Sheet

24 Hour Air Monitoring 1st Shift

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine
Sample Date:	12/02/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Zachary Rosas
Date Analyzed:	12/02/19

Sample ID: 1	Start time: 0602	End time: 1402
Sample location: Service Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480 min	Total volume:1,200L
Work activity: Conduit installation, Painting,	No of fibers: 3	No of fields: 100
General Construction	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 2	Start time: 0605	End time: 1405
Sample location: 1st Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480 min	Total volume: 1,200L
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: 0609	End time: 1409
Sample location: 2nd Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480 min	Total volume: 1,200L
Work activity: None	No of fibers: 1.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
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 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 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)	: Zachary Rosas	
Signature	: Zachary Rosas	

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	12/2/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Christopher Cañas
Date Analyzed:	12/2/19

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: 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: 1	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:	12/02-03/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Zach Rosas
Date Analyzed:	12/03/19

Prevalent 24/7 Air Monitoring Data 3rd Shift

Sample ID: 7	Start time: 2200	End time: 0600
Sample location: Service Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 1.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 8	Start time: 2203	End time: 0603
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: 2206	End time: 0606
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:	No of fibers: 0.0	No of fields: 100
	Airborne fiber concentration (fibers/cc): 0	
Other comments:		

Sample ID: 11	Start time: *	End time: *
Sample location: Batch 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	
Other comments:		

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

PCM Sample Data Sheet

24 Hour Air Monitoring 1st Shift

Project Number:	2019-3427UCI	OMEGA ENVIRONMENTAL
Project Site Address:	UC Irvine	
Sample Date:	12/03/19	
Analysis type:	PCM (NIOSH 7400A)	
Analysis by:	Zachary Rosas	
Date Analyzed:	12/03/19	

Sample ID: 1	Start time: 0603	End time: 1403
Sample location: Service Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480 min	Total volume:1,200L
Work activity: Conduit installation, Painting	No of fibers: 3	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 2	Start time: 0605	End time: 1405
Sample location: 1st Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480 min	Total volume: 1,200L
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: 0608	End time: 1408
Sample location: 2nd Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480 min	Total volume: 1,200L
Work activity: None	No of fibers: 2.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
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 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 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)	: Zachary Rosas	
Signature	: Zachary Rosas	

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	12/3/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Christopher Cañas
Date Analyzed:	12/3/19

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: 1.5	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: 0.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

PCM Sample Data Sheet

24 Hour Air Monitoring 3rd Shift

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine
Sample Date:	12/3-4/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Zachary Rosas
Date Analyzed:	12/4/19

Sample ID: 7	Start time: 2202	End time: 0602
Sample location: Service Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480 min	Total volume:1,200L
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: 2205	End time: 0605
Sample location: 1st Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480 min	Total volume: 1,200L
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: 2208	End time: 0608
Sample location: 2nd Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480 min	Total volume: 1,200L
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:	Flow rate (LPM): *	
	Total time:	Total volume:
Work activity:	No of fibers: 0.0	No of fields: 100
	Airborne fiber concentration (fibers/cc):	
Other comments: Field blank		

Sample ID: 11	Start time: *	End time: *
Sample location:	Flow rate (LPM): *	
	Total time:	Total volume:
Work activity:	No of fibers: 0.0	No of fields: 100
	Airborne fiber concentration (fibers/cc):	
Other comments: Batch Blacnk		

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)	: Christopher Cañas	
Signature	: Christopher Cañas	

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	12/04/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Zach Rosas
Date Analyzed:	12/04/19

Prevalent 24/7 Air Monitoring Data 1st Shift

Sample ID: 1	Start time: 0600	End time: 1400
Sample location: Service Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: Painting, electrical	No of fibers: 1	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 2	Start time: 0603	End time: 1403
Sample location: 1st Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: General Construction	No of fibers: 3	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 3	Start time: 0605	End time: 1405
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)	: Zachary Rosas
Signature	: Zachary Rosas

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	12/4/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Christopher Cañas
Date Analyzed:	12/4/19

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: 0.5	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: 0.5	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:	12/04-05/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Zach Rosas
Date Analyzed:	12/05/19

Prevalent 24/7 Air Monitoring Data 3rd Shift

Sample ID: 7	Start time: 2200	End time: 0600
Sample location: Service Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 3.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 8	Start time: 2203	End time: 0603
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: 2206	End time: 0606
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:	No of fibers: 0.0	No of fields: 100
	Airborne fiber concentration (fibers/cc): 0	
Other comments:		

Sample ID: 11	Start time: *	End time: *
Sample location: Sealed blank	Flow rate (LPM): *	
	Total time:	Total volume:
Work activity:	No of fibers: 0.0	No of fields: 100
	Airborne fiber concentration (fibers/cc): 0	
Other comments:		

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

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	12/05/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Zach Rosas
Date Analyzed:	12/05/19

Prevalent 24/7 Air Monitoring Data 1st Shift

Sample ID: 1	Start time: 0600	End time: 1400
Sample location: Service Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: Painting, electrical	No of fibers: 2.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 2	Start time: 0603	End time: 1403
Sample location: 1st Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: General Construction	No of fibers: 3	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 3	Start time: 0605	End time: 1405
Sample location: 2nd 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:		

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	12/5/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Christopher Cañas
Date Analyzed:	12/5/19

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: 2.5	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: 1	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:	12/05-06/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Zach Rosas
Date Analyzed:	12/06/19

Prevalent 24/7 Air Monitoring Data 3rd Shift

Sample ID: 7	Start time: 2200	End time: 0600
Sample location: Service Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: None	No of fibers: 4	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 8	Start time: 2203	End time: 0603
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: 2206	End time: 0606
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:	No of fibers: 0.0	No of fields: 100
	Airborne fiber concentration (fibers/cc): 0	
Other comments:		

Sample ID: 11	Start time: *	End time: *
Sample location: Batch 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	
Other comments:		

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

Project Number:	2019-3427UCI
Project Site Address:	UC Irvine, Rowland Hall
Sample Date:	12/06/19
Analysis type:	PCM (NIOSH 7400A)
Analysis by:	Zach Rosas
Date Analyzed:	12/06/19

Prevalent 24/7 Air Monitoring Data 1st Shift

Sample ID: 1	Start time: 0600	End time: 1400
Sample location: Service Floor Hallway	Flow rate (LPM): 2.5	
	Total time: 480	Total volume: 1,200
Work activity: Painting, general construction	No of fibers: 1.5	No of fields: 100
	Airborne fiber concentration (fibers/cc): <0.002	
Other comments:		

Sample ID: 2	Start time: 0604	End time: 1404
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: 3	Start time: 0607	End time: 1407
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: 4	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	
Other comments:		

Sample ID: 5	Start time: *	End time: *
Sample location: Batch 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	
Other comments:		

Sample name (print)	: Zachary Rosas	1
Signature	: Zachary Rosas	

Field Notes

PROJECT NAME	UCI Rowland Hall	SITE CONTACT	Susan Robb
PROJECT NUMBER	2019-3427UCI	CLIENT NUMBER	(949) 233-8889
DATE	12/02/2019	IH NAME	Zachary Rosas

0500: Omega on site. Pumps checked; they are working as intended. Conduit installation, painting, and general construction on service floor.
0600: Pumps checked; they are working as intended. Conduit installation, painting, and general construction on service floor.
0700: Pumps checked; they are working as intended. Electrical installation, painting, and general construction ongoing at service level.
0800: Pumps checked; they are working as intended. Electrical installation, painting, and general construction ongoing at service level.
0900: Pumps checked; they are working as intended. Electrical installation, painting, and general construction ongoing at service level.
1000: Pumps checked; they are working as intended. Electrical installation, painting, and general construction ongoing at service level.
1100: Pumps checked; they are working as intended. Electrical installation, painting, and general construction ongoing at service level.
1200: Pumps checked; they are working as intended. Electrical installation, painting, and general construction ongoing at service level.
1300: Pumps checked; they are working as intended. Electrical installation and general construction ongoing 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. Electrical installation ongoing.
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. Work during shift consisted of electrical installation and general construction 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	12/2/2019	IH NAME	Christopher Cañas

5:00pm: Omega Representative Christopher Cañas on site.
6:00pm: No work going on at this time.
7:00pm: No work going on at this time.
8:30pm: 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: No work going on at this time
12:00am: No work going on at this time
1:30am: No work going on at this time
3:00am: No work going on at this time
4:00am: Checked on Pumps; they are operating as intended.
5:30am: 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	12/03/2019	IH NAME	Zachary Rosas

0500: Omega on site. Pumps checked; they are working as intended. Conduit installation, painting happening on service level.
0600: 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. Conduit installation, painting happening on service level.
0700: Pumps checked; they are working as intended. Conduit installation, painting ongoing on service level.
0800: Pumps checked; they are working as intended. Conduit installation, painting ongoing on service level.
0900: Pumps checked; they are working as intended. Conduit installation, painting ongoing on service level.
1000: Pumps checked; they are working as intended. Conduit installation, painting ongoing on service level.
1100: Pumps checked; they are working as intended. Conduit installation, painting ongoing on service level.
1200: Pumps checked; they are working as intended. Conduit installation, painting ongoing on service level.
1300: Pumps checked; they are working as intended. Conduit installation, painting ongoing 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. Electrical installation ongoing.
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. Work during shift consisted of electrical installation and general construction 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	12/3/2019	IH NAME	Christopher Cañas

5:00pm: Omega Representative Christopher Cañas on site.
6:00pm: No work going on at this time.
7:00pm: No work going on at this time.
8:30pm: 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: No work going on at this time
12:00am: No work going on at this time
1:30am: No work going on at this time
3:00am: No work going on at this time
4:00am: Checked on Pumps; they are operating as intended.
5:30am: 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	12/04/2019	IH NAME	Zachary Rosas

0500: Omega on site. Pumps checked; they are working as intended. Painting, electrical, and general construction on service level. General construction at 1st floor.
0600: 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. Results from 3 previous shifts posted. Painting, electrical, and general construction on service level. General construction at 1st floor.
0700: Pumps checked; they are working as intended. All work on service and 1st level ongoing.
0800: Pumps checked; they are working as intended. All work on service and 1st level ongoing.
0900: Pumps checked; they are working as intended. All work on service and 1st level ongoing.
1000: Pumps checked; they are working as intended. All work on service and 1st level ongoing.
1100: Pumps checked; they are working as intended. All work on service and 1st level ongoing.
1200: Pumps checked; they are working as intended. All work on service and 1st level ongoing.
1300: Pumps checked; they are working as intended. No work currently happening.
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 happening.
1500: Omega charges pumps for shifts next week. Work during shift consisted of mudding, electrical installation, and construction at service level. Work included construction at 1st level. 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	12/4/2019	IH NAME	Christopher Cañas

5:00pm: Omega Representative Christopher Cañas on site.
6:00pm: No work going on at this time.
7:00pm: No work going on at this time.
8:30pm: 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: No work going on at this time
12:00am: No work going on at this time
1:30am: No work going on at this time
3:00am: No work going on at this time
4:00am: Checked on Pumps; they are operating as intended.
5:30am: 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	12/05/2019	IH NAME	Zachary Rosas

0500: Omega on site. Pumps checked; they are working as intended. Painting, electrical, on service level. General construction at 1st floor.
0600: Samples taken from pumps on floors 1, 2, and service level. PCM Samples read on 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. Results from 3 previous shifts posted. Painting, electrical, on service level. General construction at 1st floor.
0700: Pumps checked; they are working as intended. All work on service and 1st level ongoing.
0800: Pumps checked; they are working as intended. All work on service and 1st level ongoing.
0900: Pumps checked; they are working as intended. All work on service and 1st level ongoing.
1000: Pumps checked; they are working as intended. All work on service and 1st level ongoing.
1100: Pumps checked; they are working as intended. All work on service and 1st level ongoing.
1200: Pumps checked; they are working as intended. All work on service and 1st level ongoing.
1300: Pumps checked; they are working as intended. No work currently happening.
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 happening.
1500: Pumps checked; they are working as intended. No work currently happening.
1600: Pumps checked; they are working as intended. No work currently happening.
1700: Work during shift consisted of painting and electrical installation at service level. Work included construction at 1st level. 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	12/5/2019	IH NAME	Christopher Cañas

5:00pm: Omega Representative Christopher Cañas on site.
6:00pm: No work going on at this time.
7:00pm: No work going on at this time.
8:30pm: 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: No work going on at this time
12:00am: No work going on at this time
1:30am: No work going on at this time
3:00am: No work going on at this time
4:00am: Checked on Pumps; they are operating as intended.
5:30am: 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	12/06/2019	IH NAME	Zachary Rosas

0500: Omega on site. Pumps checked; they are working as intended. Painting, and general construction on service level.
0600: 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. Results from 3 previous shifts posted. Painting, and general construction on service level.
0700: Pumps checked; they are working as intended. Painting, and general construction on service level.
0800: Pumps checked; they are working as intended. Painting, and general construction on service level.
0900: Pumps checked; they are working as intended. Painting, and general construction on service level.
1000: Pumps checked; they are working as intended. General construction on service level.
1100: Pumps checked; they are working as intended. General construction on service level.
1200: Pumps checked; they are working as intended. General construction on service level.
1300: Pumps checked; they are working as intended. No work currently happening.
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 happening.
1500: Rowland Hall project officially closes. Omega prepares equipment to be hauled off-site. Omega leaves site.

Omega IH Signature: Zachary Rosas

State of California
Division of Occupational Safety and Health

Certified Site Surveillance Technician

Christopher E Canas
Name

Certification No. 16-5978

Expires on 08/16/19

This certification was issued by the Division of Occupational Safety and Health as authorized by Sections 7180 et seq. of the Business and Professions Code.

Asbestos Training Program

This is to certify

Christopher Canas

****

Has successfully completed 40 hours
of formal training entitled

NIOSH 582
Equivalency

Presented By

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

Director: _____
Walter T. Amenta, CIH

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

Certificate Of 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

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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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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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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

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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.