July 25, 2018

Clemson University
310 Klugh Avenue
Clemson, South Carolina 29634

Attn: Mr. W. Robert Newberry, IV
E-mail: wnewber@clemson.edu

Re: Limited Mold Investigation Report
Mell Hall – Basement
Clemson, South Carolina 29634
Terracon Project No. 86187072G

Dear Mr. Newberry:

Terracon Consultants, Inc. (Terracon) conducted a limited mold investigation in the basement level of Mell Hall Basement at Clemson University in Clemson, South Carolina. Reportedly, employees utilizing the conference and adjacent offices have reported "musty" odors that may be related to poor circulation in the rooms. This service was conducted in general accordance with our Master Service Agreement with Clemson University.

PROJECT DESCRIPTION

Scope of Services

At the request of Clemson University, Terracon representative Mr. Stephen N. Ellis conducted a limited mold investigation in the basement of Mell Hall, on July 13, 2018. The basement is mainly office spaces

On our July 13th visit, Terracon made measurements of temperature and relative humidity and conducted airborne mold sampling which consisted of collecting spore trap air samples in seven locations inside the offices and the collection of two additional samples outside for comparison.

Standard of Care

This limited mold investigation was conducted in a manner consistent with the level of care and skill ordinarily exercised by members of the profession currently practicing under similar conditions in the same locale. Terracon did not attempt to identify every potential exposure or hazard present in the subject building. The results, findings, conclusions and recommendations expressed in this report are based on conditions observed during our sampling. Many factors, such as weather conditions, building occupancy, ventilation patterns and seasonal variations in fungal concentrations, can affect the conditions observed. The information contained in this report should not be relied upon to represent conditions that existed prior to or after this sampling. Terracon does not warrant the services of regulatory agencies, laboratories or other third parties supplying information that may have been used in the preparation of this report.

INVESTIGATION CRITERIA AND METHODS

Physical Assessment

The physical assessment was conducted to determine the issue behind the musty odors, determine if the heating, ventilation, and air conditioning (HVAC) units are functioning properly, and to identify the presence of visible fungal growth, if it is occurring. The inspection focused primarily on collecting observational data (i.e., information obtained by physical inspection of the office space and interviews with the facility management staff in the process of conducting repairs). The physical inspection can help to formulate plans for more in-depth investigation.

The physical inspection included:

- an examination of the physical structure of the space along with observations of the condition of the building materials;
- the identification of any discoloration or odor that could indicate fungal growth; and,
- using a temperature and humidity probe to document conditions.

Mold Sampling

Total mold spore trap samples were collected using Air-O-Cell™ spore trap cassettes specifically designed for the collection of airborne mold spores. Air samples were collected using a calibrated Zefon Bio-Pump™ at a flow rate of 15 liters per minute (LPM) for 5 minutes at each location. Additionally one swab sample was collected from a flat surface that has a suspect mold growth on it to determine if this debris was settled dusts or potential mold growth.

After collection, the samples were hand delivered to the Southeastern Environmental Microbiology Lab (SEEML) in Greenville, South Carolina. SEEML is accredited by the AIHA® Laboratory Accreditation Programs, LLC under the Environmental Microbiology Laboratory Accreditation Program (EMLAP), Accreditation #173667. Air samples were analyzed by direct microscopic examination and results are reported in spores per cubic meter of air (spores/m^3).

To help interpret the mold sampling results, we compared indoor air and outdoor air measurements. High variability in airborne fungal spore concentrations can exist in different geographic locations, during different seasons, and weather patterns, and over the course of a given day. As a general rule, indoor air fungal spore concentrations in a heating, ventilation and air-conditioning (HVAC)-supplied building are typically less than, but qualitatively similar to, fungal spore concentrations found in the outside environment.

No state or federal exposure limits have been established for fungal aerosols. Regulatory standards, medically based threshold limit or dose-response relationships have not been established for exposure to airborne or surface concentrations of mold spores. Terracon relies upon experience, professional judgment, current scientific literature, guidelines and recommendations made by professional organizations and experts, and statistical methods in interpreting mold sampling results.

Temperature and Relative Humidity

Indoor air temperature and relative humidity are physical conditions important to the perception of comfort. The American Society of Heating, Refrigerating, and Air-Conditioning Engineers (ASHRAE) has published recommendations regarding thermal comfort. ASHRAE Standard 55-2013, Thermal Environmental Conditions for Human Occupancy, identifies six primary factors that affect comfort: metabolic rate (affected by the activity being performed); clothing insulation; air temperature; radiant temperature; air speed; and humidity.

Although the relationships are complex, a temperature range between 73 and 79 degrees Fahrenheit (°F) with relative humidity between roughly 20 and 60 percent (%) are recommended for persons in a conditioned setting wearing light summer clothing. Higher temperatures require lower humidity for comfort. For persons in winter clothing, temperatures can range between 68 and 75°F, with relative humidity between 20% and 60%, with preferred conditions falling between 30% and 50% for both winter and summer temperatures.

EPA recommends maintaining indoor humidity below 60%, ideally 30-50%, if possible.

Readings of temperature and relative humidity were collected with an Extech Model 445580 IAQ instrument which was calibrated by the manufacturer.

FINDINGS

General Observations

- At the time of our investigation on July 13th, the basement (as shown in Figure 1) was mostly occupied,
- Interior finishes consisted of carpet tiles, drywall partitions, and cellulose ceiling tiles;
- Apparent mold growth was noted on wall paper coverings and on the back of wooden doors along the floor;
- Several clogged storm water drains were observed outside of the basement windows;
- A faint musty odor was present in the conference room and adjacent offices when the assessment was conducted; and,
- Several "air fresheners" were observed at the time of our assessment.

Mold Air Sampling

On the afternoon of July 13, 2018, Terracon collected seven mold spore trap samples inside the basement area of Mell Hall and two samples in outdoor locations for comparison. The results of the total spore count samples analyses are summarized in Table 1 below:

Table 1: Summary of Total Spore Count Analyses – July 13, 2018

Sample #	**GO2B**	**GO2**	**GO2A**	**HW**	**GO1E**	**GH3**	**G10**	**O1 & O2**
Location Description	**GO2B Conference Room**	**GO2 Office**	**GO2A Office**	**Basement Hallway**	**GO1E Office**	**GH3 Rear Hallway**	**G10 Breakroom**	**Outdoor Samples (Range)**
Spore Type	**Spores/m³**	**Spores/m³**	**Spores/m³**	**Spores/m³**	**Spores/m³**	**Spores/m³**	**Spores/m³**	**Spores/m³**
Alternaria	---	---	---	---	---	13	---	---
Ascospores	---	---	---	---	---	13	---	156 - 273
Basidiospores	117	117	78	351	117	78	78	1,250-2,890
Cladosporium	13	13	39	78	156	39	78	390-1,330
Penicillium/ Aspergillus	2,540	1,170	351	780	1,480	351	273	---
Smuts/*Periconia*/ Myxomycetes	13	---	---	---	---	---	---	65
Zygomycetes	26	---	---	---	---	---	---	13
Pithomyces	13	---	---	---	---	---	---	---
Total	**2,270**	**1,300**	**468**	**1,250**	**1,750**	**494**	**429**	**1,890-4,560**
Temperature (degrees F.)	74.6	73.9	73.9	75.0	74.6	75.3	74.1	89.0
Relative Humidity (%)	68.2	77.1	77.6	71.3	69.0	38.1	67.7	42.5

The highest indoor total spore count was approximately 85 percent of the average total spore count outside. The predominant mold identified indoors was *Aspergillus/Penicillium* type spores, with none identified in the outdoor samples. The predominant mold outdoors was *Basidiospores*. The weather on the day we sampled was hot (89.0ºF) with a slight breeze.

Additionally one swab sample (GO2B-Swab) was collected from the louvers on the HVAC unit in the conference room. The laboratory results indicated that spores identified in the swab sample were also observed in the air.

The laboratory analytical reports are attached.

Temperature and Relative Humidity

The indoor temperature readings averaged 74.5ºF and the relative humidity readings averaged 71.2%. The outdoor temperature was 89.0ºF and the relative humidity was 42.5%.

CONCLUSIONS

The following conclusions are provided based on our assessment:

- Musty odors were noted in the conference room and adjacent offices;
- Several clogged storm water drains were observed outside of the basement windows;
- Apparent mold growth was noted on wall paper coverings and on the backs of wooden doors along the floor. A swab sample was collected from the louvers on the HVAC unit in the conference room, low levels of *Cladosporium, Basidiospores and Aspergillus/Penicillium* type spores were detected;
- Air spore trap sampling indicated that although indoor levels were below the average outdoor levels; *Aspergillus/Penicillium* type spores were identified in the indoor samples while no these spores were not identified in the outdoor samples, which indicates possible on mold growth in the interior of the basement; and,
- Relative humidity levels inside the basement were above ASHRAE and EPA guideline ranges, which can lead to potential mold growth.

Terracon recommends that the HVAC units be assessed and adjusted to better control the humidity levels in the basement area. It appears the elevated relative humidity levels in the basement may be causing occupant complaints, musty odors, and mold growth on some surfaces. Portable dehumidifiers with HEPA filters should be installed in the interim to help regulate the humidity levels until the HVAC system can be assessed. Following the control of the humidity in the space, HEPA vacuuming and cleaning of the wall paper coverings and doors of visible mold growth by qualified individuals should be conducted. Additionally the exterior storm

water drains outside of the basement windows should be cleaned to prevent water infiltration in the building.

Terracon appreciates the opportunity to provide this service to Clemson University. If you have any questions regarding this limited mold investigation report, please contact the undersigned at 864-292-2901.

Sincerely,
Terracon Consultants, Inc.

Stephen N. Ellis
Staff Industrial Hygienist

Jeffrey A. Gurrie
Senior Industrial Hygienist

Attachments: Photographs
Laboratory Results

Photographs



Photo #1 General view of the conference room with the musty odor.



Photo #2 View of the ceiling mounted HVAC unit in the conference room.



Photo #3 View of a clogged storm drain outside the conference room.



Photo #4 Additional view of the clogged storm drain outside the conference room.



Photo #5 View of mold spores on the wall paper covering in the conference room.



Photo #6 Typical view of mold spores on the rear of wooden doors throughout the basement area.

Laboratory Results

SEEML Reference Number:
180713080

Southeast Environmental Microbiology Laboratories
102 Edinburgh Court
Greenville, SC 29607
Phone: (864) 233-3770
FAX: (864) 233-6589

The information and data for **Terracon** has been checked for thoroughness and accuracy. The following reports are contained within this document:

- ☒ Surface/Bulk Report
- ☒ Spore Trap Report
- ☐ Andersen Fungal Report
- ☐ Quantitative Fungal Report

Lab Manager Review: Rafael Berrios Date: 07/13/18

Thank you for using SEEML laboratories. We strive to provide superior quality and service.
SEEML laboratories are accredited through AIHA-LAP, LLC (EMLAP # 173667) for the analysis of Spore Traps and Surface/Bulk Samples.

The data within this report is reliable to three significant figures. The third significant figure is technically unjustified. In this instance, the third figure is reported as an estimate to facilitate the interpretation by the customer.

Confidentiality Notice:
The document(s) contained herein are confidential and privileged information, intended for the exclusive use of the individual or entity named above. If the reader of this message is not the intended recipient, or the employee or agent responsible for delivering it to the intended recipient, you are hereby notified that any dissemination, distribution or copying of the document(s) is strictly prohibited. If you have received this document in error, please immediately notify us by telephone to arrange for its return. Thank you.

Guidelines for Interpretation:
No accepted quantitative regulatory standards currently exist by which to assess the health risks related to mold and bacterial exposure. Molds and bacteria have been associated with a variety of health effects and sensitivity varies from person to person.
Several organizations, including: the American Conference of Government Industrial Hygienists (ACGIH); the American Industrial Hygiene Association (AIHA); the Indoor Air Quality Association (IAQA); the United States Environmental Protection Agency (USEPA); the Centers for Disease Control (CDC), as well as the California Department of Health Services (CADHS), have all published guidelines for assessment and interpretation of mold resulting from water intrusion in buildings.

Interpretation of the data and information within this document is left to the company, consultant, and/or persons who conducted the fieldwork.

Spore Trap Report

	Date Sampled: 07/12/18
Terracon	Date Received: 07/13/18
72 Pointe Circle	Date Analyzed: 07/13/18
Greenville, SC 29615	Date Reported: 07/13/18
	Date Revised:
	Project Name: CU- Mell Hall Basement
	Project Address:
	Project City, State, ZIP: Clemson, SC.
	SEEML Reference # : 180713080

TEST METHOD: DIRECT MICROSCOPY EXAMINATION AT 400X (100% OF TRACE ANALYZED) SEEML SOP 7

Client Sample ID	GO2B			GO2			GO2A		
Location	GO2B			GO2			GO2A		
Lab Sample ID	180713080-260			180713080-261			180713080-262		
Detection Limit (spores/m^3)	13			13			13		
Hyphal Fragments	2	26					1	13	
Pollen									
Spore Trap Used	Allergenco			Allergenco			Allergenco		
	raw ct.	spores/m^3	%	raw ct.	spores/m^3	%	raw ct.	spores/m^3	%
Alternaria									
Ascospores									
Basidiospores	9	117	4	9	117	9	6	78	17
Bipolaris/Drechslera									
Chaetomium									
Cladosporium	1	13	<1	1	13	1	3	39	8
Curvularia									
Epicoccum									
Cercospora									
Fusarium									
Memnoniella									
Nigrospora									
Penicillium/Aspergillus	195	2540	93	90	1170	90	27	351	75
Polythrincium									
Rusts									
Smuts/Periconia/Myxomy	1	13	<1						
Spegazzinia									
Stachybotrys									
Stemphylium									
Tetraploa									
Torula									
Ulocladium									
Colorless/Other Brown 2									
Oidium									
Zygomycetes	2	26	<1						
Pithomyces	1	13	<1						
Background debris (1-5)3	3			3			3		
Sample Volume(liters)	75			75			75		
TOTAL SPORES/M^3	209	**2720**		100	**1300**		36	**468**	

Comments: Condition of the sample(s) upon receipt: Acceptable.

1=Total % may not equal 100 due to rounding.

2 = Colorless,other Brown are spores without a distinctive morphology on spore traps and non-viable surface samples.

3 = Background debris is the amount of particulate matter present on the slide and is graded from 1-5 with 1 = very light, 2= Light, 3 = Medium, 4 = Heavy, 5 = Very Heavy. The higher the rating the more likelihood spores may be underestimated. A rating of 5 should be interpreted as minimal counts and may actually be higher than reported.

The reporting limit is 1 Spore/sample.

Disclaimer: This report relates only to the samples tested

Respectfully submitted, SEEML

Rafael Berrios

Rafael Berrios, Approved Laboratory Signatory

102 Edinburgh Court
Greenville, SC 29607
Phone: (864) 233- 3770
Fax: (864) 233-6589
AIHA-LAP, LLC EMLAP # 173667

Spore Trap Report

	Date Sampled: 07/12/18
Terracon	Date Received: 07/13/18
72 Pointe Circle	Date Analyzed: 07/13/18
Greenville, SC 29615	Date Reported: 07/13/18
	Date Revised:
	Project Name: CU- Mell Hall Basement
	Project Address:
	Project City, State, ZIP: Clemson, SC.
	SEEML Reference # : 180713080

TEST METHOD: DIRECT MICROSCOPY EXAMINATION AT 400X (100% OF TRACE ANALYZED) SEEML SOP 7

Client Sample ID	HW			GO1E			GH3		
Location	Hallway			GO1E			GH3		
Lab Sample ID	180713080-263			180713080-264			180713080-265		
Detection Limit (spores/m^3)	13			13			13		
Hyphal Fragments	2	26					3	39	
Pollen									
Spore Trap Used	Allergenco			Allergenco			Allergenco		
	raw ct.	spores/m^3	%	raw ct.	spores/m^3	%	raw ct.	spores/m^3	%
Alternaria							1	13	3
Ascospores							1	13	3
Basidiospores	27	351	29	9	117	7	6	78	16
Bipolaris/Drechslera									
Chaetomium									
Cladosporium	6	78	6	12	156	9	3	39	8
Curvularia									
Epicoccum									
Cercospora									
Fusarium									
Memnoniella									
Nigrospora									
Penicillium/Aspergillus	60	780	64	114	1480	85	27	351	71
Polythrincium									
Rusts									
Smuts/Periconia/Myxomy									
Spegazzinia									
Stachybotrys									
Stemphylium									
Tetraploa									
Torula									
Ulocladium									
Colorless/Other Brown 2									
Oidium									
Zygomycetes									
Pithomyces									
Background debris (1-5)3	3			3			3		
Sample Volume(liters)	75			75			75		
TOTAL SPORES/M^3	93	**1210**		135	**1750**		38	**494**	

Comments: Condition of the sample(s) upon receipt: Acceptable.

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3 = Background debris is the amount of particulate matter present on the slide and is graded from 1-5 with 1 = very light, 2= Light, 3 = Medium, 4 = Heavy, 5 = Very Heavy. The higher the rating the more likelihood spores may be underestimated. A rating of 5 should be interpreted as minimal counts and may actually be higher than reported.

The reporting limit is 1 Spore/sample.

Disclaimer: This report relates only to the samples tested

Respectfully submitted, SEEML

Rafael Berrios

Rafael Berrios, Approved Laboratory Signatory

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AIHA-LAP, LLC EMLAP # 173667

Spore Trap Report

	Date Sampled: 07/12/18
Terracon	Date Received: 07/13/18
72 Pointe Circle	Date Analyzed: 07/13/18
Greenville, SC 29615	Date Reported: 07/13/18
	Date Revised:
	Project Name: CU- Mell Hall Basement
	Project Address:
	Project City, State, ZIP: Clemson, SC.
	SEEML Reference # : 180713080

TEST METHOD: DIRECT MICROSCOPY EXAMINATION AT 400X (100% OF TRACE ANALYZED) SEEML SOP 7

Client Sample ID	G10			01			02		
Location	G10			Outdoors 1			Outdoors 2		
Lab Sample ID	180713080-266			180713080-267			180713080-268		
Detection Limit (spores/m^3)	13			13			13		
Hyphal Fragments									
Pollen									
Spore Trap Used	Allergenco			Allergenco			Allergenco		
	raw ct.	spores/m^3	%	raw ct.	spores/m^3	%	raw ct.	spores/m^3	%
Alternaria									
Ascospores				12	156	9	21	273	6
Basidiospores	6	78	18	96	1250	69	222	2890	63
Bipolaris/Drechslera									
Chaetomium									
Cladosporium	6	78	18	30	390	22	102	1330	29
Curvularia									
Epicoccum									
Cercospora									
Fusarium									
Memnoniella									
Nigrospora									
Penicillium/Aspergillus	21	273	64						
Polythrincium									
Rusts									
Smuts/Periconia/Myxomy							5	65	1
Spegazzinia									
Stachybotrys									
Stemphylium									
Tetraploa									
Torula									
Ulocladium									
Colorless/Other Brown 2									
Oidium									
Zygomycetes				1	13	<1			
Pithomyces									
Background debris (1-5)3	3			3			3		
Sample Volume(liters)	75			75			75		
TOTAL SPORES/M^3	33	**429**		139	**1810**		350	**4560**	

Comments: Condition of the sample(s) upon receipt: Acceptable.

1=Total % may not equal 100 due to rounding.

2 = Colorless,other Brown are spores without a distinctive morphology on spore traps and non-viable surface samples.

3 = Background debris is the amount of particulate matter present on the slide and is graded from 1-5 with 1 = very light, 2= Light, 3 = Medium, 4 = Heavy, 5 = Very Heavy. The higher the rating the more likelihood spores may be underestimated. A rating of 5 should be interpreted as minimal counts and may actually be higher than reported.

The reporting limit is 1 Spore/sample.

Disclaimer: This report relates only to the samples tested

Respectfully submitted, SEEML

Rafael Berrios

Rafael Berrios, Approved Laboratory Signatory

102 Edinburgh Court
Greenville, SC 29607
Phone: (864) 233- 3770
Fax: (864) 233-6589
AIHA-LAP, LLC EMLAP # 173667

Spore Trap Report

	Date Sampled: 07/12/18
Terracon	Date Received: 07/13/18
72 Pointe Circle	Date Analyzed: 07/13/18
Greenville, SC 29615	Date Reported: 07/13/18
	Date Revised:
	Project Name: CU- Mell Hall Basement
	Project Address:
	Project City, State, ZIP: Clemson, SC.
	SEEML Reference # : 180713080

TEST METHOD: DIRECT MICROSCOPY EXAMINATION AT 400X (100% OF TRACE ANALYZED) SEEML SOP 7

Client Sample ID	BL								
Location	Blank								
Lab Sample ID	180713080-269								
Detection Limit (spores/m^3)	#DIV/0!								
Hyphal Fragments									
Pollen									
Spore Trap Used	Allergenco								
	raw ct.	spores/m^3	%						
Alternaria									
Ascospores									
Basidiospores									
Bipolaris/Drechslera									
Chaetomium									
Cladosporium	No								
Curvularia	Trace								
Epicoccum									
Cercospora									
Fusarium									
Memnoniella									
Nigrospora									
Penicillium/Aspergillus									
Polythrincium									
Rusts									
Smuts/Periconia/Myxomy									
Spegazzinia									
Stachybotrys									
Stemphylium									
Tetraploa									
Torula									
Ulocladium									
Colorless/Other Brown 2									
Oidium									
Zygomycetes									
Pithomyces									
Background debris (1-5)3									
Sample Volume(liters)	0								
TOTAL SPORES/M^3									

Comments: Condition of the sample(s) upon receipt: Acceptable.

1=Total % may not equal 100 due to rounding.

2 = Colorless,other Brown are spores without a distinctive morphology on spore traps and non-viable surface samples.

3 = Background debris is the amount of particulate matter present on the slide and is graded from 1-5 with 1 = very light, 2= Light, 3 = Medium, 4 = Heavy, 5 = Very Heavy. The higher the rating the more likelihood spores may be underestimated. A rating of 5 should be interpreted as minimal counts and may actually be higher than reported.

The reporting limit is 1 Spore/sample.

Disclaimer: This report relates only to the samples tested

Respectfully submitted, SEEML

Rafael Berrios

Rafael Berrios, Approved Laboratory Signatory

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AIHA-LAP, LLC EMLAP # 173667

Surface and Bulk Sample Report

	Date Sampled: 07/12/18
	Date Received: 07/13/18
Terracon	Date Analyzed: 07/13/18
72 Pointe Circle	Date Reported: 07/13/18
Greenville, SC 29615	Date Revised:
	Project Name: CU- Mell Hall Basement
	Project Address:
	Project City, State ZIP: Clemson, SC.
	SEEML Reference #: 180713080

TEST METHOD: Direct Microscopic Examination (SEEML SOP 18)

Client Sample ID	GO2B- Swab			
Location	GO2B PTAC Unit			
SEEML Sample ID	180713080-270			
Sample Type	Swab			
	Quantification*			
Hyphal Fragments	**VL**			
Pollen				
General Impressions **	**MFG**			
Fungal Spore:				
Alternaria				
Acremonium				
Ascospores				
Basidiospores	**VL**			
Bipolaris/Drechslera				
Cercospora				
Chaetomium				
Cladosporium	**VL**			
Curvularia				
Epicoccum				
Fusarium				
Geotrichum sp.				
Memnoniella				
Myxomycetes				
Nigrospora				
Penicillium/Aspergillus	**VL**			
Pithomyces				
Rusts/Smuts				
Stachybotrys				
Torula				
Ulocladium				

**** General Impressions: NFG = No Fungal Growth, FG = Fungal Growth, MFG = Minimal Fungal Growth Or Growth in vicinity**

Quantification of fungal growth is done by semi-quantitative grading using the following ranges:

Scattered Spores, 1-20 fungal spores

VL = 21-100 fungal spores **L = 101-1,000 fungal spores** **M = 1,001-10,000 fungal spores** **H = >10,000 fungal spores**

ND = No Fungal Spores Detected

Disclaimer: This report relates only to the samples tested

Respectfully submitted, SEEML

Rafael Berrios, Approved Laboratory Signatory

102 Edinburgh Court

Greenville, SC 29607

Phone: (864) 233- 3770

Fax: (864) 233- 6589

AIHA-LAP, LLC EMLAP # 173667

SEEML Labs
Analytical Solutions For a Healthy Indoor Environment

Southeast Environmental Microbiology Laboratories
Chain of Custody

102 Edinburgh Court, Greenville, SC 29607
Phone : 864-233-3770, Fax: 864-233-6589, www.seeml.com, AIHA-LAP, LLC. (EMLAP) #173667

For Lab Use Only			
Condition of samples is acceptable	☑ YES ☐ NO	SEEML Ref #: 180713080	Lab ID: 260-270

Company Information	Client Information		Environmental Conditions	
Jeff Gurrie	Date Sampled:	7/12/2018	Precipitation in last 16hrs:	None
Terracon	Project Name:	CU- Mell Hall Basement	Relative Humidity I/O:	71.2 / 42.5%
72 Pointe Circle	Project Address:		Temperature I/O:	74.5 / 98°
Greenville, SC 29615	City, State, Zip:	Clemson, SC	Wind Conditions	Light
864-292-2901				
Jeff.Gurrie@terracon.com				

Sample Type Abbreviations:
A- Allergenco **S**-Swab **AP**-Andersen Plate
AOC- Air O Cell **T**-Tape **W**- Water
M5- Micro 5 **B**- Bulk **D**- Dust

Analysis Type:
1. SporeTrap, Air Sample Analysis-Same Day
2. Direct Exam Surface Sample Analysis -Same Day
3. Culturable Air / Surface Samples -7-10 days

Sample ID	Sample Location	Sample Type	Analysis Type	*Area	**Volume (L)	Notes
GO2B	GO2B	A	1		75L	
GO2	GO2	A	1		75L	
GO2A	GO2A	A	1		75L	
HW	HALLWAY	A	1		75L	
GO1E	GO1E	A	1		75L	
GH3	GH3	A	1		75L	
G10	G10	A	1		75L	
O1	OUTDOORS 1	A	1		75L	
O2	OUTDOORS 2	A	1		75L	
BL	BLANK	A	1		0L	

Reliquished By:	Date/Time	Recieved By:	Date/Time
	7-13-18 0945		7-13-18

* Area is only required for culturable surface samples.
** Volume = Pump setting (L/min) x minutes

SEEML Labs
Analytical Solutions For a Healthy Indoor Environment

Southeast Environmental Microbiology Laboratories
Chain of Custody

102 Edinburgh Court, Greenville, SC 29607
Phone : 864-233-3770, Fax: 864-233-6589, www.seeml.com, AIHA-LAP, LLC. (EMLAP) #173667

For Lab Use Only			
Condition of samples is acceptable	☑ YES ☐ NO	SEEML Ref #: 180713089	Lab ID: 260-270

Company Information	Client Information		Environmental Conditions	
Jeff Gurrie	Date Sampled:	7/12/2018	Precipitation in last 16hrs:	None
Terracon	Project Name:	CU- Mell Hall Basement	Relative Humidity I/O:	/
72 Pointe Circle	Project Address:		Temperature I/O:	/
Greenville, SC 29615	City, State, Zip:	Clemson, SC	Wind Conditions	Light
864-292-2901				
Jeff.Gurrie@terracon.com				

Sample Type Abbreviations:
A- Allergenco **S**-Swab **AP**-Andersen Plate
AOC- Air O Cell **T**-Tape **W**- Water
M5- Micro 5 **B**- Bulk **D**- Dust

Analysis Type:
1. SporeTrap, Air Sample Analysis-Same Day
2. Direct Exam Surface Sample Analysis -Same Day
3. Culturable Air / Surface Samples -7-10 days

Sample ID	Sample Location	Sample Type	Analysis Type	*Area	**Volume (L)	Notes
GO2B-SWAB	GO2B PTAC UNIT	D	2			

Reliquished By:	Date/Time	Recieved By:	Date/Time
[signature]	7-13-18 0945	[signature]	7-13-18

* Area is only required for culturable surface samples.
** Volume = Pump setting (L/min) x minutes