

## **FUNGAL ANALYSIS - AIR**

Client: He	errick Engineering, Inc.				Sampling Me	ethod:	Air Cassette		
The state of the s	26 Lochness Lane				Analytical M			-hi- 400	
A SECTION OF THE PROPERTY SECTION AND ASSESSMENT OF THE PROPERTY OF THE PROPER	ary, NC 27511				Section 1997		Spore Trap An	alysis-102	
C.	ary, NC 27511				CEI Lab Cod		111-0178		
					Date Receiv		3/23/2011		
					Date Analyz		3/23/2011		
Project ID:					Date Report		3/24/2011		
Project Site: S.	Granville			Sections	Analyzed By	<u> </u>	Marti Bowers		
CEI Sample ID	M	30998	M30	1999	M3	000	M3	1001	
Client Sample ID		Caf		201		304		107	
Location	C	Carrie	D	201		204		100	
The state of the second		nfeteria	Roon	1 201	Room		Roon	n 107	
Volume (L)		100	10	00	100		100		
Debris Rating		Low	Lo	w	Lo	ow	Low		
Pollen count		4							
Mycelial fragments									
	Total Coun	t Spores/m <sup>3</sup>	Total Count	Spores/m <sup>3</sup>	Total Count	Spores/m <sup>3</sup>	Total Count	Spores/m <sup>3</sup>	
Alternaria									
Arthrinium					THE WHOLE	STATE OF STA			
Ascospores	2	20	1	10	1	10	3	30	
Aspergillus / Penicillium		y and the same						Diegos S	
Basidiospores			1	10					
Bipolaris / Drechslera					THE RESERVE OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TO THE PERSON NA		JUNE 100 100 100 100 100 100 100 100 100 10		
Cercospora									
Chaetomium	THE PARTY OF THE P			S. Carlotte			727 10 31117	State X	
Cladosporium							2	20	
Curvularia				de State of the St	<b>表表示是不是一个</b>	THE PERSON NAMED IN	10 11 CO 10 CO	To the second	
Epicoccum									
Fusarium			Della Sanda	please when	11 W 10 10 10 10 10 10 10 10 10 10 10 10 10		Section 1		
Helicomyces/Helicosporium									
Nigrospora	THE RESERVE							18 18 18 18 18 18 18 18 18 18 18 18 18 1	
Oidium / Peronospora									
Periconia / Smuts / Myxomy	cetes			Market Mark	2	20	NEW COLOR		
Pithomyces									
Rusts							PRINCE AND		
Spegazzinia									
Stachybotrys									
Stemphylium									
Tetraploa			50 80 8			THE RESERVE	NS EVOLES	<b>原数是"现现"</b>	
Torula									
Ulocladium			MOLETINE ST	Suddings of house	THE WAR ASSESSMENT			No. 19	
Unspecified Spores									
Total	2	20	2	20	3	30	5	50	
Limit of Detection (Spore	s/m3)	10	16	)	1	0	1	0	
Comments: No discernable fiel included with this project.	d blank was								
The Sample(s) in this report wareceived in acceptable condition									

Note: Final counts (Spores/m3) are reported to 2 significant figures.

Tianbao Bai, Ph.D., CIH, Lab Director

AIHA EMPAT Direct No. 103025

Toll Free: 1-866-481-1412

Tel: 919-481-1413

Fax: 919-481-1442

Final Review By:



#### **FUNGAL ANALYSIS - AIR**

Client: Herrick Engineering, Inc. Address: 526 Lochness Lane Cary, NC 27511  Project ID: Project Site: S. Granville						Sampling Method: Analytical Method: CEI Lab Code: Date Received: Date Analyzed: Date Reported: Analyzed By:		Air Cassette Spore Trap Analysis-102 I11-0178 3/23/2011 3/23/2011 3/24/2011 Marti Bowers	
CEI Sample ID		M3	1002	M3	1003	M3	1004	M31	1005
Client Sample ID		O	ut		7	1	7	H	all
Location		0		D	7	Pas	m 17	16/22.1	Iallway
			tside	Thursday.	om 7	1000			The second second
Volume (L)			00		00		00		00
Debris Rating			lerate	Mod	lerate	He	avy	He	avy
Pollen count			33						
Mycelial fragments			4		1		3		4
		Total Count	Spores/m <sup>3</sup>	Total Count	Spores/m <sup>3</sup>	Total Count	Spores/m <sup>3</sup>	Total Count	Spores/m <sup>3</sup>
Alternaria		2	20					1	10
Arthrinium				THE STATE OF			155 151 155		
Ascospores		41	410	5	50	7	70	16	160
Aspergillus / Penicili	lium	2	20	1	10	HER CHARLE		WALLE SHE	
Basidiospores		4	40					6	60
Bipolaris / Drechsler	ra	New Yorks	TO SERVICE		SCOR CHIL			Let Shippe	entiaste.
Cercospora									
Chaetomium			THE PARTY			HARE WEE	CENTRAL DE LA		
Cladosporium		5	50	8	80	19	190	6	60
Curvularia		Variety N.			ENERGIE.	E MANAGERS			10
Epicoccum									
Fusarium					1500000	THE BUTTON			MATERIAL DE
Helicomyces/Helicos	sporium								
Nigrospora			Test Til						
Oidium / Peronospor	ra								
Periconia / Smuts / ]	Myxomycetes	1	10		C. A. L.	1	10	4	40
Pithomyces									
Rusts	<b>电影影响的</b>		SA STEWN			A LIPPULE		25 P. S. W. S.	STATE OF THE
Spegazzinia								1	10
Stachybotrys		DESERTE OF THE			AT STORY IN		THE YEAR PER	1	10
Stemphylium									
Tetraploa	Section of the sectio	THE REAL PROPERTY.	(2) 表 介。		DESCRIPTION	The state of the s		5.51197613	THE PROPERTY
Torula									
Ulocladium	Name of the Parision						THE RESERVE		
Unspecified Spores								1	10
Total		55	550	14	140	27	270	37	370
Limit of Detection	(Spores/m3)	1	10	1	0	1	0	1	0
included with this proj	•								
The Sample(s) in this received in acceptable. The above results relate		and cannot be extra	apolated to anythin	ng larger than their	original intent. Al	so, these results			

cannot be interpreted without physical inspection and consideration for the building's characteristics and factors that may have led to its condition.

Note: Final counts (Spores/m3) are reported to 2 significant figures.

Tianbao Bai, Ph.D., CIH, Lab Director

AIHA EMPAT Direct No. 103025

Carolina Environmental, Inc. 107 New Edition Court Cary, NC 27511

Final Review By:

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Toll Free: 1-866-481-1412

Tel: 919-481-1413



## **FUNGAL ANALYSIS - AIR**

Address: 526	Herrick Engineering, Inc. 526 Lochness Lane Cary, NC 27511					Sampling Method: Analytical Method: CEI Lab Code: Date Received: Date Analyzed:		Air Cassette Spore Trap Analysis-102 I11-0178 3/23/2011 3/23/2011	
Project ID:					Date Report		3/24/2011		
Project Site: S. G.	ranville				Analyzed By	:	Marti Bowers		
CEI Sample ID	M3	1006	M3	1007					
Client Sample ID		LR		7					
Location		er Room							
Volume (L)		00	10	00				A CONTRACTOR OF THE PARTY OF TH	
Debris Rating		derate	100 Moderate						
Pollen count		acrate	Wilde	crate	-				
Mycelial fragments		1		1	l				
myochar ragmento	Total Count	Spores/m <sup>3</sup>	Total Count	Spores/m <sup>3</sup>	Total Count	Spores/m <sup>3</sup>	Tetal Count	Spores/m <sup>3</sup>	
Alternaria	Total count	орогозии	Total Coult	орогезли	Total Count	Sporesilli	Total Count	opores/m	
Arthrinium	PARTIES PER		I DEPTH OLDER	EXCHANGES NOT				MARKET LINES	
Ascospores	20	200	44	440					
Aspergillus / Penicillium		200		170	REAL PROPERTY.	I if the same is	ALC: UNIVERSITY OF		
Basidiospores	2	20	2	20		IN ROSSION STATE	27 E. 118 SQR72-9	Service Services	
Bipolaris / Drechslera		100	Territoria de la compansión de la compan	20		THE RESERVE			
Cercospora							E STATE OF THE STA	ment of the	
Chaetomium	STATE PROPERTY.	PUSSEAUX	EST CARCES IN	A CONTRACTOR OF THE PARTY OF TH	E3-00-00-00-00-00-00-00-00-00-00-00-00-00	II Vita and Links		A STATE OF THE PARTY	
Cladosporium	2	20	9	90	-				
Curvularia	TO SHEET THE SHEET IN		THE REAL PROPERTY.	MEL SEE SEN	District Colors		STEEL STANLEN	eriotechico.	
Epicoccum				ALEXANDER OF THE PARTY OF THE P			Elizabeth aproximation	AND ALL RESIDENCE	
Fusarium	STATE OF THE PARTY	10007200	I STATE OF THE STA			THE STREET	SHAWE TO UKT		
Helicomyces/Helicosporium								The second second	
Nigrospora			DESTRUCTION OF THE PARTY OF THE		restantia		100000000000000000000000000000000000000	an express	
Oidium / Peronospora						The second second			
Periconia / Smuts / Myxomycet	es 1	10	THE RESERVE	THE STATE OF THE S			The transport of		
Pithomyces									
Rusts	Z DEUD CONTRACTOR		ME PRODUCT			BELLEVISOR	SE PERSON	Section 1	
Spegazzinia									
Stachybotrys					Maria Service	77.77	SESSON PRO	CONTRACTOR OF THE	
Stemphylium									
Tetraploa				YERRESE			<b>可能是是对外</b> 。	Strong Sale	
Torula								100000000000000000000000000000000000000	
Ulocladium					and the		108,5000	中国的人员	
Unspecified Spores									
Total Limit of Detection (Spores/n	25 m3)	250	55	550					
Comments: No discernable field b				2					
included with this project.									
The Sample(s) in this report was/v received in acceptable condition.	(C. 100)								
The above results relate only to the iter cannot be interpreted without physical Note: Final counts (Spores	inspection and consideration for	or the building's ch	aracteristics and fac	nginal intent. Als ctors that may hav	ve led to its condition		was		

Final Review By:

Tianbao Bai, Ph.D., CIH, Lab Director

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Marti Bowers , Analyst

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#### **FUNGAL CHARACTERIZATION**

Client:	Herrick Engineering, Inc.	Sampling Method:	Tape Lift
Address:	526 Lochness Lane	Analytical Method:	Direct Microscopy-101
	Cary, NC 27511	CEI Lab Code:	111-0178
		Date Received:	3/23/2011
		Date Analyzed:	3/23/2011
Project ID:		Date Reported:	3/24/2011
Project Site:	S. Granville	Analyzed By:	Marti Bowers

CEI Sample ID	Client Sample ID	Sample Location	Identification
M31008	103	Room 103	No Mold Detected

Samples were received in acceptable condition

Massive is defined as >50% of the surface covered with fungal matter and indicates active growth at some point in time. Numerous is defined as between 10% and 50% of the surface covered with fungal matter and indicates active growth at some point in time. Many is defined as being between 1% and 10% of the surface covered with fungal matter and indicates active growth at some point in time. A few designates <1% or a trace amount of only spores found on the surface. It does not indicate active growth. No module detected indicates no fungal spores were found.

The above results relate only to the items tested, and cannot be extrapolated to anything larger than their original intent. Also, these results cannot be interpreted without physical inspection and consideration for the building's characteristics and factors that may have led to its condition.

Final Review By:

Tianbao Bai, Ph.D., CIH, Lab Director

Carolina Environmental, Inc.

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III-0178 (1) 430998-431008

# CHAIN OF CUSTODY RECORD

MICROBIOLOGY ANALYSIS

107 New Edition Court, Cary, NC 27511 Tel: 919-481-1413 Fax: 919-481-1442

NB

Tel: 919	9-481-1413	Fax: 919-481-1442	7.60								
Client		CK ENGINEERING	INC		Project Manager: BOB HERRICK						
Addre	ss: 52	6 LOCHNESS LAN	E		Date: 3/23/11						
	CARY NC 27511 Phone: 919 4607276					16					
Client ID#: Fax:											
PO #:					Email: rh	errick @ mind	sprin	19.00	m		
Projec	t: 5,	GRANVILLE					*	94			
ANALYSIS CODES							TURN-AROUND TIME				
101 102 103 104 105 106	Fungi Total Fungi Cultu Fungi Cultu Bacteria Cu	re (Air) re (Bulk, Dust, Wipe)	111 Allergens Mite (Various Species)				7-14 DAYS* 3-5 DAYS 2 DAY 1 DAY SAME DAY * All cultures are 7-14 day			YS , AY	Т
			S	AMPLE	E INFORMATI	ON				, , , , , , , , , , , , , , , , , , , ,	
FIELD ID#			Marketon Contin	MPLE LO	All and the second second			LYSIS	AREA	AIR VOL	
Caf	Cafe	teria						DES	(sq. inches)	(liters)	
201		201					-/-	01		100	_
304		304									
107	Room	107									
Out	Out	s:de			1	-					
7	Room	, 7									
17	Room	17									
Hall	16/23	Hellway									
WLR		Room						1			
27										<u> </u>	
103	Room 1	23					10	01			
REMARK	٥.										
CEWIARK	5;										
Relinquish	ed By:	12/2018				Date / Time:	1.		15.		$\dashv$
eceived (	Ву: (.).	Noclot				7 / 2 3 Date / Time:	111	10	15A 2:45 a	~	
Cornels C					USE ONLY					No.	
Sample C Upon R		Acceptable		Not Accep Explanation							