

DATE: October 1, 2014

TO: Justin Gilbreath, Assistant Principal

SUBJECT: Huffines MS - IAQ - Air Test report - Room 1345

On Friday 9/19, Apex-Titan Air tested Room 1345. It is typically assumed that indoor spore levels in an area with filtered or air conditioned air, and activity levels associated with schools average 10% to 40% of the outdoor levels. Data from the airborne fungi sampling indicated that the total indoor concentration of mold/fungi in Room 1345, was **40.2%** of the outdoor levels. Utilizing this theory, the indoor concentrations are slightly above the acceptable guidelines for areas with filtered air or air conditioning. **I am requesting Custodial Services to Shampoo the carpet in Room 1345, on Friday night, October 3, 2014. Then, next week, we will have the room retested.** If you have any questions, please call me.

Thanks, Paul

Paul Siddall Maintenance Energy Auditor (IAQ) Facility Services Lewisville ISD 469-446-8882



DATE: October 15, 2014

TO: Justin Gilbreath, Assistant Principal

SUBJECT: Huffines MS - IAQ - Re-test Results report-Room 1345

On Tuesday 10/14, Apex-Titan Air tested Room 1345 Retest. It is typically assumed that indoor spore levels in an area with filtered or air conditioned air, and activity levels associated with schools average 10% to 40% of the outdoor levels. Data from the airborne fungi sampling indicated that the total indoor concentration of mold/fungi in Room 1345 Retest, was **19.1%** of the outdoor levels. Utilizing this theory, the indoor concentrations are within the acceptable guidelines for areas with filtered air or air conditioning. If you have any questions, please call me. Thanks, Paul

Paul Siddall Maintenance Energy Auditor (IAQ) Facility Services Lewisville ISD 469-446-8882



October 17, 2014

Lewisville Independent School District 340 Lake Haven Lewisville, Texas 75057 Attn: Mr. Paul Siddall

Re: Limited Mold Assessment Services – Retest Huffines Middle School Room 1345 1440 N Valley Parkway Lewisville, Texas Apex Project No. 7210114H233A LISD PO No. 91505963-00

Introduction

Apex TITAN, Inc., a subsidiary of Apex Companies, LLC (APEX) conducted limited mold assessment activities for the Lewisville Independent School District (Lewisville I.S.D.) within Huffines Middle School located at 1440 N Valley Parkway in Lewisville, Texas (hereinafter referred to as the "Site"). The investigation was limited to areas of the Site identified by Lewisville I.S.D. as described below. The assessment was performed by Mr. Clinton S. Jech, a State of Texas licensed Mold Assessment Technician (Lic. No. MAT1075) on October 10, 2014. Apex's mold services definitions and limitations are included as an attachment to this report.

Investigation Areas

Lewisville I.S.D. identified the following physical portions of the Site as the target investigation areas ("Investigation Areas") for mold assessment: readily accessible areas within room 1345. Apex's mold assessment services were limited to the Investigation Area(s) identified by Lewisville, I.S.D. Additional areas or portions of the Site were out-of-scope and not included in Apex's mold assessment or this report at this time.

Scope of Work

As set forth in Apex's Mold Assessment Proposal (No. P0114H1390) dated October 10, 2014. Apex's scope-of-work was to provide visual and/or analytical mold assessment and related services in the Investigation Areas which included:

Visual Reconnaissance: Apex performed a visual reconnaissance of the Investigation Areas for visible indications of moisture intrusion (as indicated by staining or visible moisture) and/or suspect mold growth. Apex's visual reconnaissance only included readily accessible or visible portions of the Investigation Areas.

Suspect Mold Growth Sampling and Analysis: Apex collected limited ambient air samples for nonviable mold spores utilizing Air-O-Cell cassettes. "Air-O-Cell" refers to slit impaction air sampling cassettes manufactured by Zefon Analytical Accessories, St. Petersburg, Florida.

Site Reconnaissance Observations/Findings and Recommendations

Apex' Mold Assessment Site reconnaissance was performed on October 10, 2014 by Mr. Clinton S. Jech. Apex's visual reconnaissance of the Investigation areas revealed the following:

Temperature and Relative Humidity

Temperature readings collected inside the room was reported as 72.5 degrees Fahrenheit while relative humidity was reported as 34.5 percent. Temperature readings collected outside the building ranged from 85.2 to 86.3 degrees Fahrenheit while outside relative humidity ranged from 45.4 to 52.6 percent.

Relative humidity is a measure of the moisture content of air and is closely tied to the comfort of the office/workplace temperature. As with temperature, there are no regulations governing acceptable office/workplace humidity ranges. Humidity levels in the office/workplace are not only related to health effects, but also have operational impacts on modern office equipment.

Workplace/office temperatures have historically been considered a subjective factor because the perception of uncomfortable temperature levels is specific to each individual. There are no regulations governing acceptable office/workplace temperature ranges, but significant research has been conducted which indicates that there are temperature ranges that are not only comfortable but also result in optimum performance. ASHRAE (American Society of Heating, Refrigerating & Air Conditioning Engineers) has published guidelines describing thermal environmental conditions that at least 80% of the persons who occupy that environment will find acceptable or "comfortable." Table I below explains the applicable limits and guidelines.

Table I								
A	Acceptable Ranges Of Temperature And Humidity							
Relative Humidity	Winter Temperatures	Summer Temperatures						
30%	68.5 to 76°F	74 to 80°F						
40%	68.5 to 75.5°F	73 to 79.5°F						
50%	68.5 to 74.5°F	73 to 79°F						
60%	68 to 74°F	72.5 to 78°F						

Apex utilized a Protimeter Moisture Measurement System (MMS) instrument (Model No. BLD2000) to measure and diagnose dampness in the drywall within random areas. The MMS is a battery powered handheld unit that is equipped with hydrostick probes to measure moisture content in wood, drywall and other and non-conductive materials. The device measures electrical conductivity of building materials and compares the conductivity readings to an internal, electronic standard reading for normal or "dry" materials.

Moisture content readings were obtained by pushing the moisture probe pins into surfaces. The measured values were then displayed on a colored scale depicting if the materials measured were normal (dry), higher than normal but not critical (at risk) or contained excessive moisture levels (wet). Based on the manufacturer's guidelines, the instrument measurement values are described below:

< 5%	Out of Range
> 5% but < 16%	Normal
> 17% but < 20%	Higher than Normal but Not Critical
> 20%	Excessive Moisture Levels

Moisture meter readings taken from the walls within the room was ranged from 7 to 11% which is considered normal by the manufacturer.



Air Monitoring Results

Apex collected one (1) sample from the the investigation area and two (2) samples from the exterior of the building. The microbial samples were analyzed by Steve Moody Micro Services, Inc. (SMMS) in Farmers Branch, Texas; SMMS is a State of Texas licensed mold analysis laboratory and accredited under the AIHA Laboratory Quality Assurance Program for Environmental Microbiology.

Air testing performed using spore traps indicated that total airborne mold spores in the room was lower as compared to those measured outside of the building at the time the sampling was performed. The total fungal spore concentration within the investigation area was reported as 628 counts/m³, while the exterior level ranged from 2,303 to 3,291 counts/m³.

One (1) type of mold was identified at a higher concentration within the investigation area as compared to the sample collected from the exterior of the building. Air sample(s) collected within room 1345 reported Nigrospora as 20 counts/m³ while exterior levels were reported as 13 counts/m³.

The American Conference of Governmental Industrial Hygienists (ACGIH) sets forth assessment criteria related to the "indoor/outdoor" relationship where the indoor air quality should be at or below that of outdoor air quality with regard to fungal spores (see ACGIH Bioaerosols, Assessment and Controls publication, 1999).

Suspect Mold

No visible mold was observed during the assessment. No odors or excessive dust were noted.

Conclusions and Recommendations

Based on Apex's limited assessment and the analytical results collected, it appears that the indoor air quality, as it relates to airborne fungi was within recommended guidelines.

If you have any questions regarding this report or if we can assist you with any other matter, please contact the undersigned at (214) 350-5469.

Sincerely, **Apex TITAN, Inc.**

Darren G. Bowden Senior Program Manager Industrial Hygiene Services Texas Mold Assessment Consultant Lic. No. MAC0321

Attachments: Analytical Results/Chain of Custody, Mold Services Definitions & Limitations



ATTACHMENT 1

Analytical Results/Chain of Custody



IAQ Mold Report Summary

Steve Moody Micro Services, LLC

2051 Valley View Lane

Farmers Branch, TX 75234 Phone: (972) 241-8460

Client : Apex TITAN, Inc. - Dallas, TX

Lab Job No. 14F-12815 **Report Date** 10/14/2014 3:23 PM

Project : Huffines MS Room 1345 Retest

Project # : 7210114H233A Sample Type: Spore Trap, Non-cultured

Spore Trap Type: Zefon - Air-O-Cell

Test Method: Mold: ASTM D7391-09 - Standard Profile

On 10/10/2014, three (3) samples were submitted by Clint Jech of Apex TITAN, Inc. - Dallas, TX (located at 2351 W. NW Highway #3321, Dallas, TX 75220) for Spore Trap, Non-cultured mold analysis. This report consists of three sections; a summary section, a data detail section, and an analytical notes section.

Sample Date : 10/10/2014

Sample Number	Volume (liters)	Sample Description	Identification		ntration ubic meter
	75	Exterior, East	Basidiospores Aspergillus / Penicillium Cladosporium Hyphal / Spore Fragments Ascospores Myxomycete / Rust / Smut Paecilomyces Drechslera / Bipolaris group Coprinus group Alternaria Agrocybe Pyricularia Ganoderma Fusarium Curvularia Total	893 880 853 240 93 67 53 53 40 40 27 13 13 13 13 13 13 53	27% 26% 7% 3% 2% 2% 1% 1% <1% <1% <1% 100%

DSHS License No.: LAB0117

AIHA EMPAT ID: 102577

Page 1 of 3

IAQ Mold Report Summary

Steve Moody Micro Services, LLC

2051 Valley View Lane

Project # :

Farmers Branch, TX 75234 Phone: (972) 241-8460

Client : Apex TITAN, Inc. - Dallas, TX

Project : Huffines MS Room 1345 Retest

Lab Job No. 14F-12815

Report Date 10/14/2014 3:23 PM

7210114H233A Sample Date : 10/10/2014

Sample Type: Spore Trap, Non-cultured

Test Method: Mold: ASTM D7391-09 - Standard Profile

Page 2 of 3

On 10/10/2014, three (3) samples were submitted by Clint Jech of Apex TITAN, Inc. - Dallas, TX (located at 2351 W. NW Highway #3321, Dallas, TX 75220) for Spore Trap, Non-cultured mold analysis. This report consists of three sections; a summary section, a data detail section, and an analytical notes section.

Sample Number	Volume (liters)	Sample Description	Identification		entration ubic meter
2	75	Exterior, Northwest	Basidiospores Cladosporium Ascospores Aspergillus / Penicillium Agrocybe Hyphal / Spore Fragments Coprinus group Myxomycete / Rust / Smut Paecilomyces Drechslera / Bipolaris group Ganoderma Nigrospora Cercospora Alternaria	773 453 293 213 107 93 93 93 93 53 53 40 13 13 13 2303	34% 20% 13% 9% 5% 4% 4% 4% 2% 2% 2% 2% 2% 2% 31% <1%
3	150	Room 1345	Basidiospores Aspergillus / Penicillium Cladosporium Hyphal / Spore Fragments Ascospores Myxomycete / Rust / Smut Drechslera / Bipolaris group Nigrospora Ganoderma Curvularia Alternaria	107 107 100 87 67 47 47 20 20 13 13 13 628	17% 16% 14% 11% 7% 3% 3% 2% 2% 2%

DSHS License No.: LAB0117 AIHA EMPAT ID: 102577

Spore Trap Type: Zefon - Air-O-Cell

		IA	AQ Mold Report		
Steve Moody Mic		ices, LLC	Summary	DSHS Licer	nse No.: LAB0117
2051 Valley View		$D_{harrow}(0.72)(241, 9460)$		AIHA EI	MPAT ID: 102577
		Phone: (972) 241-8460			
-		N, Inc Dallas, TX		Lab Job No. 14F-1281	
Ū.	10114H2	S Room 1345 Retest	e: 10/10/2014	Report Date 10/14/201	4 3:23 PM
Sample Type: Sp		•		be: Zefon - Air-O-Cell	
	-	M D7391-09 - Standard Profi			Page 3 of 3
		were submitted by Clint Jech of Ape red mold analysis. This report consis			
Sample Number	Volume (liters)	Sample Description	Ide	entification	Concentration spores/cubic meter
the results contained here Steve Moody Micro Serv SMMS assumes no respo	ein. Interpret vices assume onsibility for cca Lutz ather Lop		fessional. ich these samples were collected c	or handled prior to being received s of this data.	

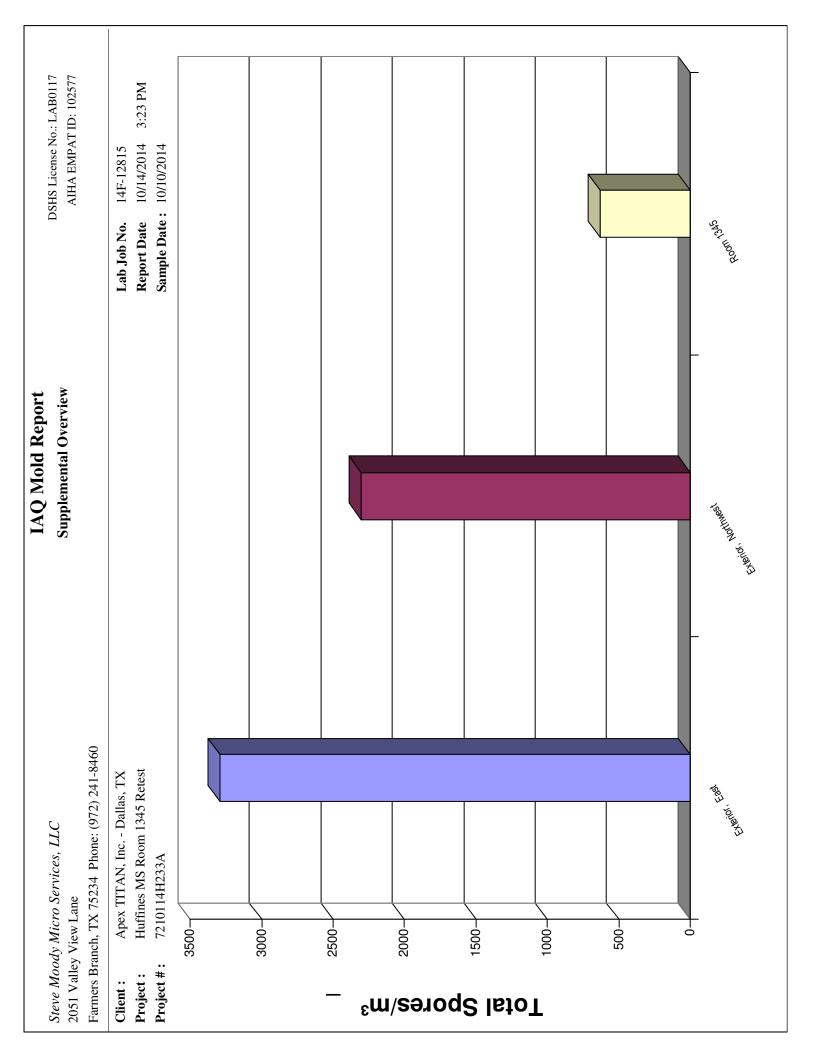
				IAQ	Mo	ld Re	epor	t					
Steve Moody 2051 Valley Vi	Micro Services, LLC	7			Data	Detai						e No.: LAB PAT ID: 10	
•	n, TX 75234 Phone: (972) 24	1-846	0						AIL		AT ID. 10	2311
Client :	Apex TITAN, Inc I	Dallas, T	ГХ					Lab Jol	b No.	:14F-1	2815		
Project :	Huffines MS Room 1	345 Ret	est					Report	Date	:10/14/	/2014	3:23 PN	1
Project # :	7210114H233A		Samnl	e Date :	10/10/	2014							
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	1 1			-	3	pore i	гар 1	ype: Zefo	л - А	II-O-Ce	11		
	Mold: ASTM D7391-											Page 1 o	
This report consists	of three sections; a summa	ry section	ı, a data	detail section	on, and a	an analyt	ical not	es section. R	esults n	nay not b	e report	ed except in	full.
Sample ID:				1				2				3	
Location:			Exter	ior, East		E	xterior	, Northwest	t		Roo	m 1345	
Media Expires C	Dn:	<u> </u>	Fe	b 2015			Fe	b 2015			Fe	b 2015	
Notes Included:													
Volume:				75	-			75				150	-
		raw ct.	MDL	spores/m ³		raw ct.	MDL	spores/m ³		raw ct.	MDL	spores/m ³	
Agrocybe		2	13.33	27	<1%	8	13.33	107	5%	-			
Alternaria		3	13.33	40	1%	1	13.33	13	<1%	2	6.67	13	2%
Ascospores		7	13.33	93	3%	22	13.33	293	13%	10	6.67	67	11%
Aspergillus / Pe	nicillium	66	13.33	880	27%	16	13.33	213	9%	16	6.67	107	17%
Basidiospores		67	13.33	893	27%	58	13.33	773	34%	16	6.67	107	17%
Cercospora						1	13.33	13	<1%				
Chaetomium			10.00	050	0.001	0.1	10.00	450	000/	45	0.07	100	100/
Cladosporium		64	13.33	853		34	13.33	453	20%	15	6.67	100	16%
Coprinus group		3	13.33	40	1%	7	13.33	93	4%	0	0.07	10	00/
Curvularia		1	13.33	13			10.00	50	00/	2	6.67	13	2%
Drechslera / Bip	olaris group	4	13.33	53	- 7 -	4	13.33	53	2%	7	6.67	47	7%
Fusarium		1	13.33	13		0	10.00	40	00/	2	6.67	00	00/
Ganoderma		1	13.33 13.33	13		3	13.33 13.33	40 93	2%	3 13	6.67	20	3%
Hyphal / Spore	ragments	16	13.33	240	7%	1	13.33	93	4%	13	6.67	87	14%
Memnoniella	unt / Cmut	5	13.33	67	2%	7	13.33	93	4%	7	6.67	47	70/
Myxomycete / R	ust / Smut		10.00	07	2%	, 1	13.33	13	4%	3	6.67	20	7% 3%
Nigrospora Paecilomyces		4	13.33	53	2%	4	13.33	53	2%	Ū	0.07	20	3 /0
Pyricularia		1	13.33	13		•	10.00		2 /0				
Stachybotrys					<170								
TOTALS		247		3291	100%	173		2303	100%	94		628	100%
Analyst			Rebe	ecca Lutz	10070		Rebe	ecca Lutz	10070	_	Rebe	cca Lutz	10070
Analysis Date				4/2014				14/2014				4/2014	
Debris Rating				3			,	3				3	
Debris Composi	tion												
Fibers		1		1/5				1/5				2/5	
Inorganic/Othe	r	1		3/5				3/5				2/5	
Insect Parts				0/5				2/5				0/5	
Pollen				2/5				3/5				1/5	
Skin/Dander		2/5				3/5 3/5			3/5				

IAO Mald D •

IAQ Mold Report

		IAQ Molu Report		
Steve Moody	Micro Services, LLC	Analytical Notes	DSHS License	No.: LAB0117
2051 Valley V	iew Lane		AIHA EMP	AT ID: 102577
Farmers Branc	ch, TX 75234 Phone: (972)	241-8460		
Client :	Apex TITAN, Inc Dallas	s, TX	Lab Job No. : 14F-12815	
Project :	Huffines MS Room 1345 H	Retest	Report Date : 10/14/2014	3:23 PM
Project # :	7210114H233A	Sample Date : 10/10/2014		
Sample Type:	Spore Trap, Non-cultured	Spore Trap T	Type: Zefon - Air-O-Cell	
Test Method:	Mold: ASTM D7391-09 -	Standard Profile		Page 1 of 2
This report consist	s of three sections; a summary sect	tion, a data detail section, and an analytical note	s section. Results may not be reported	ed except in full.
NOTE: No abn	ormalities or exceptions n	oted during analysis. All samples su	itable for analysis	
	or manues of exceptions in	oteu uuring anarysis. An samples su	tuble for analysis.	
NOTE: No disc	ernable field blanks were	included with this sample set.		
		•		
Methods				
Method: AS7	M D7391-09: Categorizati	on and Quantification of Airborne Fun	gal Structures in an Inertial II	npaction
	ptical Microscopy.		8	F
~				
Calculation:	Spores/cubic meter = (Raw s	spore count)*(MDL)		
Note: MDL (Minimum Detection Limit)	is calculated based upon 1 raw spore of	count.	
Steve Moody	Micro Services recommend	s two significant figures for calculated	values based on ASTM D739	91-09.
	ust not be used by the custor f the Federal Government.	ner to claim product certification, appr	oval, or endorsement by AIH	A, ISO, or
Debris Rati				
0 - No debris				
1 - Trace debr				
2 - Light debr				
3 - Moderate				
4 - Substantia				
5 - Extensive				
6 - Field blan				
10 - Hold San	1			
NOTE: Debri	s defined as skin, fibers, pol	len grains, insect parts, and/or other no	on-fungal particles.	





SM	MS	<u>Chain o</u>	<u>f Custody</u>	Lab Jo	bb # bb # bb #	-12815		
SBESTOS uik [CM Air (74 CM Air (74 C OTAL DUS SBESTOS Air AHERA Air 7402 (N	PLM Immediate Immediate ST (0500/060) TEM A Method Modified) //Micro Vac	<pre> 1 day 2 day Analyze All 1 day 2 day 1 day 2 day 1 day 2 day 1 day 2 day 6 hr 12 hr 1 day 2 day </pre>	Positive Stop 3 day ☐ 5 day 24 hr 3 day ☐ 3 day 3 day ☐ 5 day	MOLD Direct 1 Standau Expand Culture Analyze **Turnaro <u>BACTER</u> Total C CC + C Total C	rd Air Im ded Air Im e** 10. E Blanks Ye bund of Culture S: <u>RIA</u> * Colony Counts (f Gram Stain Coliform & E. co	imples subject to (lay 🔀 2 day lay 🗋 2 day Culture Growth** lay 🔲 5 day lay 🗍 5 day	of
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Project: <u>Mu</u> Contact Info E-mail Result Invoice Addu Please review pay Notes: Sample #	ermation: N Its to: Clim- ress: Ver- perwork and samy Extension Extension	ame: Clint_Sec t/Summer /ver on ice on ice on ice Sample Descri East Ab/Hev/est	b. Unsealed / improperty packa	vol. / Area (if applicable)	T= 85.2 T= 86.3 T= 72.5 (2:1:45= Walks = 5	Mobile #: (9 Fax #: P.O. #: ssive administrative ro Location / I • H= 52 • H= 45. H= 34.5 Loy - 10 (2 bechnorfs	equests may incur add Notes 	itional fees*

Steve Moody Micro Services, LLC • 2051 Valley View Ln. • Farmers Branch, TX 75234 • Phone (972) 241-8460 • Fax (972) 241-8461 www.moodylabs.com Qs-00134-2014

ATTACHMENT 2

Mold Services Definitions & Limitations/Standard of Care and Reliance





Mold Services Definitions & Limitations

"Mold" defined. Mold is a general term used to describe various types of singled-celled naturally occurring biological organisms occurring worldwide. For purposes of this report (and the Texas Mold Assessment & Remediation Rules), the term "mold" is broadly defined to include any living or dead fungi or related products or parts, including spores, hyphae, and mycotoxins.

Limited Scope of Mold Assessment. The scope of Apex's mold assessment services as reflected in the Proposal and this report are limited in that (i) they were physically limited to certain portions of the building structure (e.g., the Client identified Investigation Areas); and (ii) limited by accessibility to building materials or components within the Investigation Area(s). In contrast to a Limited Assessment" is a comprehensive assessment, which involves destructive sampling methods and the scope of the assessment typically extending to the entire building structure.

Time sensitive. Mold assessments are essentially a *"snap shot in time,"* and the results are only relevant at the time of site reconnaissance. Because mold, when biologically active, is a living organism, its presence is influenced and controlled by environmental conditions. Mold assessments, therefore, are *"time sensitive"* in that the presence and concentration of mold and similar organisms in building structures or in the air is directly influenced by environmental conditions (such as humidity, moisture, nutrients and substrates), whether natural or caused by man, which conditions may vary significantly over relatively short periods of time.

Methodologies. Currently, mold assessment methodologies and protocols in Texas are governed by persuasive guidelines (rather than promulgated federal/state or local regulations). Presently, there is no data that supports a threshold limit or dose-response relationship for exposure to mold aeroallergens, individual pathogens, opportunistic pathogens and/or mycotoxins. The Occupational Safety and Health Administration (OSHA), the National Institute of Occupational Safety and Health (NIOSH) and other non-governmental associations, have not yet established permissible exposure limits (PELs), recommended exposure limits (RELs), or other limit values for aeroallergens. Because no limit values presently exist, Apex will not and cannot represent that the site contains no harmful microbes, mold, fungi, or their metabolites, or other latent conditions beyond those identified by the limited scope of this mold assessment.

Findings limited. Findings from a limited mold assessment are limited because of the nature of the information obtained (e.g., visual reconnaissance of readily accessible areas of building structures, interview information, anecdotal information, and limited sampling data derived from one or more specific sampling events). Apex cannot warrant the accuracy of prior or subsequent information/data, reports and services performed by other firms at the Site. Apex assumes no responsibility or liability for errors in information or data provided by or through the client or third party sources. Apex's services are not to be construed as legal or medical interpretation or advice.

Moisture Intrusion Limitation. Apex performs mold assessment services and is not a moisture intrusion, HVAC, roofing, plumbing or building envelope specialist. However, during the course of conducting its mold assessment services, Apex will report observed areas of apparent moisture intrusion. Apex does not and will not investigate the cause or causes of such observed moisture intrusion. In the event apparent moisture intrusion is observed, Apex will recommend

that the client contact a specialist (i.e., plumbing contractor, building envelope specialist, HVAC contractor, water intrusion specialist, etc.) to assist the client in determining the specific cause or causes of the moisture intrusion and remedial options.

Texas Licensing Requirements. Apex (and/or its personnel) will render the services set forth in this proposal in the capacity of a Texas licensed Mold Assessor. Apex is not licensed as a Mold Remediation Contractor and does not perform mold remediation. As of January 1, 2005, Texas law has required that Mold Assessors and Mold Remediation Contractors be licensed.

Mold Remediation Certificate. For mold remediation projects (above certain size thresholds), applicable Texas law (i.e., Texas Occupation Code Section 1958.54 and T.A.C. Section 295.397 (the Texas Mold Assessment and Remediation Rules), requires that a "Certificate of Mold Remediation" be issued by the Mold Remediation Contractor upon successful completion of the project. This certificate must be provided to property owners no later than the 10th day after the date on which the mold remediation is completed at a property. The Mold Remediation Certificate issued by the Mold Remediation Contractor must include a certification by the Mold Assessor that the mold remediation project has been successfully completed in accordance with the mold remediation protocol.

Be advised that Apex's issuance of a Mold Remediation Certificate upon successful completion of a Mold Remediation project does not mean, warrant or otherwise guarantee that mold will not be subsequently found in any portion of the Investigation Area or the Site. In the event that Apex is engaged to render services in connection with a mold remediation project, Apex will require *Client to provide to Apex a signed certificate prepared by Client's moisture intrusion specialist or appropriate contractor stating that all sources of moisture which resulted in the presence of mold in the Investigation Area have been fully remediated and corrected.*

Standard of Care

Apex performed its Services in accordance with generally accepted practices of the profession undertaken in similar services at the same time and in the same geographical area. No other warranties, expressed or implied, apply to the Services hereunder or this report.

Reliance

Apex's proposal for this project, services and this report have been prepared on behalf of and for the exclusive use of Lewisville Independent School District solely for their use and reliance in assessing the presence of mold in the Investigation Areas of the site. Lewisville Independent School District is the only party to which Apex explained the risks and limitations of the services and was solely involved in shaping the scope of services. Accordingly, reliance on this report by any other party may involve assumptions leading to an unintended interpretation of findings and opinions. With the consent of the client, Apex may offer reliance to third parties or contract with other parties to develop findings and opinions related to such party's unique risk management concerns. Notwithstanding the foregoing, reliance by any and all third parties upon the proposal, the Services or this report shall be limited in the aggregate to all relying parties to the fair market value of the Services provided by Apex.





September 25, 2014

Lewisville Independent School District 340 Lake Haven Lewisville, Texas 75057 Attn: Mr. Paul Siddall

Re: Limited Mold Assessment Services Huffines Middle School Room 1345 1440 N Valley Parkway Lewisville, Texas Apex Project No. 7210114H233 LISD PO No. 91501591-00

Introduction

Apex TITAN, Inc. a subsidiary of Apex Companies, LLC (APEX) conducted limited mold assessment activities for the Lewisville Independent School District (Lewisville I.S.D.) within the Huffines Middle School located at 1440 N Valley Parkway in Lewisville, Texas (hereinafter referred to as the "Site"). The investigation was limited to areas of the Site identified by Lewisville I.S.D. as described below. The assessment was performed by Mr. Clinton S. Jech, a State of Texas licensed Mold Assessment Technician (Lic. No. MAT1075) on September 19, 2014. Apex's mold services definitions and limitations are included as an attachment to this report.

Investigation Areas

Lewisville I.S.D. identified the following physical portions of the Site as the target investigation areas ("Investigation Areas") for mold assessment: readily accessible areas within room 1345. Apex's mold assessment services were limited to the Investigation Area(s) identified by Lewisville, I.S.D. Additional areas or portions of the Site were out-of-scope and not included in Apex's mold assessment or this report at this time.

Scope of Work

As set forth in Apex's Mold Assessment Proposal (No. P0114H1355) dated September 12, 2014. Apex's scope-of-work was to provide visual and/or analytical mold assessment and related services in the Investigation Areas which included:

Visual Reconnaissance: Apex performed a visual reconnaissance of the Investigation Areas for visible indications of moisture intrusion (as indicated by staining or visible moisture) and/or suspect mold growth. Apex's visual reconnaissance only included readily accessible or visible portions of the Investigation Areas.

Suspect Mold Growth Sampling and Analysis: Apex collected limited ambient air samples for nonviable mold spores utilizing Air-O-Cell cassettes. "Air-O-Cell" refers to slit impaction air sampling cassettes manufactured by Zefon Analytical Accessories, St. Petersburg, Florida.

Site Reconnaissance Observations/Findings and Recommendations

Apex' Mold Assessment Site reconnaissance was performed on September 19, 2014 by Mr. Clinton S. Jech. Apex's visual reconnaissance of the Investigation areas revealed the following:

Temperature and Relative Humidity

Temperature readings collected inside the room was reported as 76.1 degrees Fahrenheit while relative humidity was reported as 36.4 percent. Temperature readings collected outside the building ranged from 82.7 to 84.6 degrees Fahrenheit while outside relative humidity ranged from 52.6 to 60 percent.

Relative humidity is a measure of the moisture content of air and is closely tied to the comfort of the office/workplace temperature. As with temperature, there are no regulations governing acceptable office/workplace humidity ranges. Humidity levels in the office/workplace are not only related to health effects, but also have operational impacts on modern office equipment.

Workplace/office temperatures have historically been considered a subjective factor because the perception of uncomfortable temperature levels is specific to each individual. There are no regulations governing acceptable office/workplace temperature ranges, but significant research has been conducted which indicates that there are temperature ranges that are not only comfortable but also result in optimum performance. ASHRAE (American Society of Heating, Refrigerating & Air Conditioning Engineers) has published guidelines describing thermal environmental conditions that at least 80% of the persons who occupy that environment will find acceptable or "comfortable." Table I below explains the applicable limits and guidelines.

Table I							
1	Acceptable Ranges Of Temperatur	e And Humidity					
Relative Humidity	Winter Temperatures	Summer Temperatures					
30%	68.5 to 76°F	74 to 80°F					
40%	68.5 to 75.5°F	73 to 79.5°F					
50%	68.5 to 74.5°F	73 to 79°F					
60%	68 to 74°F	72.5 to 78°F					

Apex utilized a Protimeter Moisture Measurement System (MMS) instrument (Model No. BLD2000) to measure and diagnose dampness in the drywall within random areas. The MMS is a battery powered handheld unit that is equipped with hydrostick probes to measure moisture content in wood, drywall and other and non-conductive materials. The device measures electrical conductivity of building materials and compares the conductivity readings to an internal, electronic standard reading for normal or "dry" materials.

Moisture content readings were obtained by pushing the moisture probe pins into surfaces. The measured values were then displayed on a colored scale depicting if the materials measured were normal (dry), higher than normal but not critical (at risk) or contained excessive moisture levels (wet). Based on the manufacturer's guidelines, the instrument measurement values are described below:

< 5%	Out of Range
> 5% but < 16%	Normal
> 17% but < 20%	Higher than Normal but Not Critical
> 20%	Excessive Moisture Levels

Moisture meter readings taken from the walls within the rooms were ranged from 8 to 11% which is considered normal by the manufacturer.



Air Monitoring Results

Apex collected one (1) sample from the interior of the investigation area and two (2) samples from the exterior of the building. The microbial samples were analyzed by Steve Moody Micro Services, Inc. (SMMS) in Farmers Branch, Texas; SMMS is a State of Texas licensed mold analysis laboratory and accredited under the AIHA Laboratory Quality Assurance Program for Environmental Microbiology.

Air testing performed using spore traps indicated that total airborne mold spores in the classrooms were lower as compared to those measured outside of the building at the time the sampling was performed. The total fungal spore concentration within the investigation area was reported as 6,598 counts/m³, while the exterior level ranged from 7,638 to 16,422 counts/m³.

One (1) type of mold was identified at a higher concentration within the investigation area as compared to the samples collected from the exterior of the building. Air sample collected within Room 1345 reported Curvularia as 514 counts/m³ while exterior levels where reported as 227 counts/m³.

The American Conference of Governmental Industrial Hygienists (ACGIH) sets forth assessment criteria related to the "indoor/outdoor" relationship where the indoor air quality should be at or below that of outdoor air quality with regard to fungal spores (see ACGIH Bioaerosols, Assessment and Controls publication, 1999).

Suspect Mold

No visible mold was observed during the assessment. No odors or excessive dust were noted.

Conclusions and Recommendations

Based on Apex's limited assessment and the analytical results collected, it appears that the indoor air quality, as it relates to airborne fungi was within recommended guidelines.

If you have any questions regarding this report or if we can assist you with any other matter, please contact the undersigned at (214) 350-5469.

Sincerely, **Apex TITAN, Inc.**

Darren G. Bowden Senior Program Manager Industrial Hygiene Services Texas Mold Assessment Consultant Lic. No. MAC0321

Attachments: Analytical Results/Chain of Custody, Mold Services Definitions & Limitations



ATTACHMENT 1

Analytical Results/Chain of Custody



IAQ Mold Report Summary

Steve Moody Micro Services, LLC

2051 Valley View Lane

Farmers Branch, TX 75234 Phone: (972) 241-8460

Client : Apex TITAN, Inc. - Dallas, TX

Lab Job No. 14F-12815 **Report Date** 10/14/2014 3:23 PM

Project : Huffines MS Room 1345 Retest

Project # : 7210114H233A Sample Type: Spore Trap, Non-cultured

Spore Trap Type: Zefon - Air-O-Cell

Test Method: Mold: ASTM D7391-09 - Standard Profile

On 10/10/2014, three (3) samples were submitted by Clint Jech of Apex TITAN, Inc. - Dallas, TX (located at 2351 W. NW Highway #3321, Dallas, TX 75220) for Spore Trap, Non-cultured mold analysis. This report consists of three sections; a summary section, a data detail section, and an analytical notes section.

Sample Date : 10/10/2014

Sample Number	Volume (liters)	Sample Description	Identification		ntration ubic meter
	75	Exterior, East	Basidiospores Aspergillus / Penicillium Cladosporium Hyphal / Spore Fragments Ascospores Myxomycete / Rust / Smut Paecilomyces Drechslera / Bipolaris group Coprinus group Alternaria Agrocybe Pyricularia Ganoderma Fusarium Curvularia Total	893 880 853 240 93 67 53 53 40 40 27 13 13 13 13 13 13 53	27% 26% 7% 3% 2% 2% 1% 1% <1% <1% <1% 100%

DSHS License No.: LAB0117

AIHA EMPAT ID: 102577

Page 1 of 3

IAQ Mold Report Summary

Steve Moody Micro Services, LLC

2051 Valley View Lane

Project # :

Farmers Branch, TX 75234 Phone: (972) 241-8460

Client : Apex TITAN, Inc. - Dallas, TX

Project : Huffines MS Room 1345 Retest

Lab Job No. 14F-12815

Report Date 10/14/2014 3:23 PM

7210114H233A Sample Date : 10/10/2014

Sample Type: Spore Trap, Non-cultured

Test Method: Mold: ASTM D7391-09 - Standard Profile

Page 2 of 3

On 10/10/2014, three (3) samples were submitted by Clint Jech of Apex TITAN, Inc. - Dallas, TX (located at 2351 W. NW Highway #3321, Dallas, TX 75220) for Spore Trap, Non-cultured mold analysis. This report consists of three sections; a summary section, a data detail section, and an analytical notes section.

Sample Number	Volume (liters)	Sample Description	Identification		entration ubic meter
2	75	Exterior, Northwest	Basidiospores Cladosporium Ascospores Aspergillus / Penicillium Agrocybe Hyphal / Spore Fragments Coprinus group Myxomycete / Rust / Smut Paecilomyces Drechslera / Bipolaris group Ganoderma Nigrospora Cercospora Alternaria	773 453 293 213 107 93 93 93 93 53 53 40 13 13 13 2303	34% 20% 13% 9% 5% 4% 4% 4% 2% 2% 2% 2% 2% 2% 31% <1%
3	150	Room 1345	Basidiospores Aspergillus / Penicillium Cladosporium Hyphal / Spore Fragments Ascospores Myxomycete / Rust / Smut Drechslera / Bipolaris group Nigrospora Ganoderma Curvularia Alternaria	107 107 100 87 67 47 47 20 20 13 13 13 628	17% 16% 14% 11% 7% 3% 3% 2% 2% 2%

DSHS License No.: LAB0117 AIHA EMPAT ID: 102577

Spore Trap Type: Zefon - Air-O-Cell

	IAQ Mold Report	
Steve Moody Micro Services, LLC	Summary	DSHS License No.: LAB0117
2051 Valley View Lane		AIHA EMPAT ID: 102577
Farmers Branch, TX 75234 Phone: (972) 241-8460		
Client : Apex TITAN, Inc Dallas, TX		b Job No. 14F-12815
Project :Huffines MS Room 1345 RetestProject # :7210114H233ASample	Date : 10/10/2014	port Date 10/14/2014 3:23 PM
Sample Type: Spore Trap, Non-cultured	Spore Trap Type:	Zefon - Air-O-Cell
Test Method: Mold: ASTM D7391-09 - Standard I		Page 3 of 3
On 10/10/2014, three (3) samples were submitted by Clint Jech o 75220) for Spore Trap, Non-cultured mold analysis. This report onotes section.		
Sample Number Volume Sample Description (liters)	Identi	fication Concentration spores/cubic meter
Results may not be reported except in full. Data contained in this test the results contained herein. Interpretation should be made by a qualification structure of the results contained herein. Interpretation should be made by a qualification of the second seco	ed professional. r in which these samples were collected or has erforming sampling and/or interpretations of t	ndled prior to being received at this laboratory.

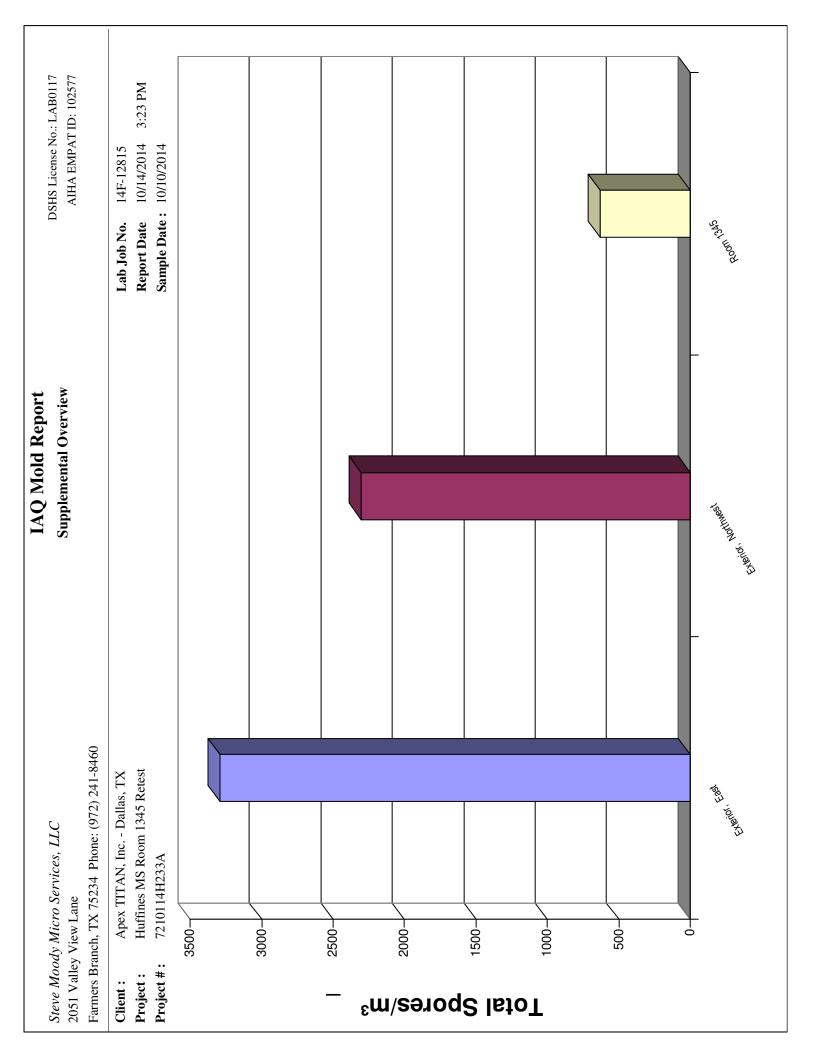
				IAQ	Mo	ld Re	epor	t					
Steve Moody I 2051 Valley Vi	Micro Services, LLC	7			Data	Detai	l					e No.: LAB PAT ID: 10	
•	n, TX 75234 Phone: (972) 24	1-846	0						АП		AT ID. 10	12377
Client :	Apex TITAN, Inc I	Dallas, T	ГХ					Lab Jol	b No.	: 14F-1	2815		
Project :	Huffines MS Room 1	345 Ret	est					Report	Date	: 10/14	/2014	3:23 PN	Л
Ũ	7210114H233A		Samnl	e Date :	10/10/	2014							
Ŭ,	Spore Trap, Non-cult		Jampi	c Date .			mon 7	ype: Zefo			.11		
	1 1			D (11	5	pore i	гар і	ype: Zeit	л - А	II-0-Ce	11	D 4	
	Mold: ASTM D7391-											Page 1 o	
This report consists	s of three sections; a summa	ary section	ı, a data	detail section	on, and a	an analyt	ical not	es section. R	esults n	nay not b	e report	ed except in	full.
Sample ID:				1				2				3	
Location:			Exter	ior, East		E		, Northwest	t			m 1345	
Media Expires C)n:		Fe	b 2015			Fe	b 2015			Fe	b 2015	
Notes Included:													
Volume:				75				75				150	
		raw ct.	MDL	spores/m ³		raw ct.	MDL	spores/m ³	== (raw ct.	MDL	spores/m ³	
Agrocybe		2	13.33	27	<1%	8	13.33	107	5%		0.07		001
Alternaria		3	13.33	40	1%	1	13.33	13	<1%	2	6.67	13	
Ascospores		7	13.33	93	3%	22	13.33	293	13%	10	6.67	67	11%
Aspergillus / Per	nicillium	66	13.33 13.33	880	27%	16 58	13.33 13.33	213 773	9% 34%	16 16	6.67	107	17%
Basidiospores		67	13.33	893	27%	58	13.33	13		10	6.67	107	17%
Cercospora						1	13.33	13	<1%				
Chaetomium		64	13.33	853	26%	34	13.33	453	20%	15	6.67	100	16%
Cladosporium		3	13.33	40	1%	7	13.33	93	4%	15	0.07	100	10 /6
Coprinus group Curvularia		1	13.33	13		1	10.00	30	4 /0	2	6.67	13	2%
	alaria graup	4	13.33	53		4	13.33	53	2%	7	6.67	47	7%
Drechslera / Bip Fusarium	olans group	1	13.33	13	_ / 2	-	10.00		2 /0	,	0.07		1 /0
Ganoderma		1	13.33	13		3	13.33	40	2%	3	6.67	20	3%
Hyphal / Spore I	Fragments	18	13.33	240	7%	7	13.33	93	4%	13	6.67	87	14%
Memnoniella	raginonio				. /0				.,.				
Myxomycete / R	ust / Smut	5	13.33	67	2%	7	13.33	93	4%	7	6.67	47	7%
Nigrospora						1	13.33	13	<1%	3	6.67	20	3%
Paecilomyces		4	13.33	53	2%	4	13.33	53	2%				
Pyricularia		1	13.33	13	<1%								
Stachybotrys													
TOTALS		247		3291	100%	173		2303	100%	94		628	100%
Analyst		Rebecca Lutz			Rebecca Lutz			Rebecca Lutz					
Analysis Date		10/14/2014		10/14/2014			10/14/2014						
Debris Rating			3				3			3			
Debris Composi	tion												
Fibers				1/5		1/5			2/5				
Inorganic/Othe	r			3/5				3/5				2/5	
Insect Parts				0/5				2/5				0/5	
Pollen				2/5				3/5				1/5	
Skin/Dander		1		1/5		I –		3/5				3/5	

IAO Mald D •

IAQ Mold Report

		IAQ Molu Repor	L	
Steve Moody	Micro Services, LLC	Analytical Notes	DSHS License	No.: LAB0117
2051 Valley V	iew Lane		AIHA EMP	AT ID: 102577
Farmers Branc	h, TX 75234 Phone: (972)	241-8460		
Client :	Apex TITAN, Inc Dallas	s, TX	Lab Job No. : 14F-12815	
Project :	Huffines MS Room 1345 F	Retest	Report Date : 10/14/2014	3:23 PM
Project # :	7210114H233A	Sample Date: 10/10/2014		
Sample Type:	Spore Trap, Non-cultured	Spore Trap	Type: Zefon - Air-O-Cell	
Test Method:	Mold: ASTM D7391-09 -	Standard Profile		Page 1 of 2
This report consist	s of three sections; a summary sect	ion, a data detail section, and an analytical not	es section. Results may not be reporte	ed except in full.
NOTE: No abn	ormalities or exceptions p	oted during analysis. All samples su	uitable for analysis	
	of manties of exceptions no	oted during analysis. An samples st	intable for analysis.	
NOTE: No disc	ernable field blanks were	included with this sample set.		
	ernuble netu blunks were	included with this sumple set		
Methods				
	M D7391-09: Categorizati	on and Quantification of Airborne Fu	ngal Structures in an Inertial It	nnaction
	tical Microscopy.	on and Quantification of Airborne Pul	igai Structures in an mertiai in	npaction
1 5 1	15			
Calculation: S	Spores/cubic meter = $(Raw s)$	spore count)*(MDL)		
Note: MDL (Minimum Detection Limit)	is calculated based upon 1 raw spore	count.	
Steve Moody	Micro Services recommend	s two significant figures for calculated	l values based on ASTM D739	91-09.
	ust not be used by the custor the Federal Government.	ner to claim product certification, app	roval, or endorsement by AIH	A, ISO, or
Debris Ratii	ng Key			
0 - No debris	detected.			
1 - Trace debr	is.			
2 - Light debr	is.			
3 - Moderate	lebris.			
4 - Substantial	l debris.			
5 - Extensive	debris.			
6 - Field blank	ς.			
10 - Hold San	nple			
NOTE: Debris	s defined as skin, fibers, pol	len grains, insect parts, and/or other n	on-fungal particles.	





SM	MS	<u>Chain o</u>	<u>f Custody</u>	Lab Jo	bb # bb # bb #	-		
SBESTOS uik [CM Air (74 CM Air (74 C OTAL DUS SBESTOS Air AHERA Air 7402 (N	PLM Immediate Immediate ST (0500/060 TEM A Method Modified) //Micro Vac	□ 1 day □ 2 day □ Analyze All □ 1 day □ 2 day □ 1 day □ 2 day □ 1 day □ 2 day □ 6 hr □ 12 hr □ 1 day □ 2 day	□ Positive Stop y □ 3 day □ 5 day y □ 24 hr y □ 3 day □ 5 day y □ 3 day □ 5 day	MOLD Direct I Standau Expand Culture Analyze **Turnaro <u>BACTER</u> Total C CC + C	rd Air Im ded Air Im e** 10. E Blanks Ye bund of Culture S: <u>RIA</u> * Colony Counts (f Gram Stain Coliform & E. co	Imples subject to (CC) 3 c 3 c	lay 🔀 2 day lay 🗌 2 day Culture Growth** lay 🔲 5 day lay 🗍 5 day	of
ubmitter's (Submitter's I	Company: Name: //	of Took	(Dalkis South			Sample Date:	3 10/10/204 2101471125	
Project: <u><u>Mar</u> Contact Info E-mail Resul Invoice Addr Please review pay Notes:</u>	perwork and sam	ame: Clint Je +/Norcen/Ve onice onice onice before submitting to lai	Retest Ch Consisted b. Unsealed / improperty packa	ged / damaged / exp -	pired samples or exce	Mobile #: (9 Fax #: P.O. #: ssive administrative ro	-	
Project: <u>Hit</u> Contact Info E-mail Result Invoice Addu Please review pay Notes: Sample #	perwork and sam	ame: Clint Jet t/Surren/Ve oles before submitting to tai Sample Descr	b. Unsealed / improperty packa		pired samples or exce	Mobile #: (9 Fax #: P.O. #: ssive administrative ro Location / 1 • <i>H</i> = .52.	equesss may incur add Notes	itional fees*
Project: <u>Hu</u> Contact Info E-mail Resul nvoice Addr Please review pay Notes: Sample #	Exterior	ame: Clint Jet t/Surren/Ve oles before submitting to tai Sample Descr	th to Unsealed / improperty packa iption	ged / damaged / exp Vol. / Area (if applicable)	Dired samples or exce <u>7-85.2</u> <u>7=86.3</u> <u>7=72.5</u> <i>Cecilimys</i> =	Mobile #: (9 Fax #: P.O. #: ssive administrative ro Location / 1 • H= 52 • H= 45. H= 34.5 Loy-10 (2 beeproof:	equesss may incur add Notes	itional fees*
Project: <u>Mu</u> Contact Info E-mail Result Invoice Addu Please review pay Notes: Sample #	Exterior	ame: Clint Je +/Surren/Ve on:ce on:ce Sample Descr East , Northerrest	th to Unsealed / improperty packa iption	Vol. / Area (if applicable)	T= 85.2 T= 86.3 T= 72.5 (2:1:45= Walks = 5	Mobile #: (9 Fax #: P.O. #: ssive administrative ro Location / 1 • H= 52 • H= 45. H= 34.5 Loy-10 (2 bechnock	equests may incur add Notes 	itional fees*

Steve Moody Micro Services, LLC • 2051 Valley View Ln. • Farmers Branch, TX 75234 • Phone (972) 241-8460 • Fax (972) 241-8461 www.moodylabs.com Qs-00134-2014

ATTACHMENT 2

Mold Services Definitions & Limitations/Standard of Care and Reliance





Mold Services Definitions & Limitations

"Mold" defined. Mold is a general term used to describe various types of singled-celled naturally occurring biological organisms occurring worldwide. For purposes of this report (and the Texas Mold Assessment & Remediation Rules), the term "mold" is broadly defined to include any living or dead fungi or related products or parts, including spores, hyphae, and mycotoxins.

Limited Scope of Mold Assessment. The scope of Apex's mold assessment services as reflected in the Proposal and this report are limited in that (i) they were physically limited to certain portions of the building structure (e.g., the Client identified Investigation Areas); and (ii) limited by accessibility to building materials or components within the Investigation Area(s). In contrast to a Limited Assessment" is a comprehensive assessment, which involves destructive sampling methods and the scope of the assessment typically extending to the entire building structure.

Time sensitive. Mold assessments are essentially a *"snap shot in time,"* and the results are only relevant at the time of site reconnaissance. Because mold, when biologically active, is a living organism, its presence is influenced and controlled by environmental conditions. Mold assessments, therefore, are *"time sensitive"* in that the presence and concentration of mold and similar organisms in building structures or in the air is directly influenced by environmental conditions (such as humidity, moisture, nutrients and substrates), whether natural or caused by man, which conditions may vary significantly over relatively short periods of time.

Methodologies. Currently, mold assessment methodologies and protocols in Texas are governed by persuasive guidelines (rather than promulgated federal/state or local regulations). Presently, there is no data that supports a threshold limit or dose-response relationship for exposure to mold aeroallergens, individual pathogens, opportunistic pathogens and/or mycotoxins. The Occupational Safety and Health Administration (OSHA), the National Institute of Occupational Safety and Health (NIOSH) and other non-governmental associations, have not yet established permissible exposure limits (PELs), recommended exposure limits (RELs), or other limit values for aeroallergens. Because no limit values presently exist, Apex will not and cannot represent that the site contains no harmful microbes, mold, fungi, or their metabolites, or other latent conditions beyond those identified by the limited scope of this mold assessment.

Findings limited. Findings from a limited mold assessment are limited because of the nature of the information obtained (e.g., visual reconnaissance of readily accessible areas of building structures, interview information, anecdotal information, and limited sampling data derived from one or more specific sampling events). Apex cannot warrant the accuracy of prior or subsequent information/data, reports and services performed by other firms at the Site. Apex assumes no responsibility or liability for errors in information or data provided by or through the client or third party sources. Apex's services are not to be construed as legal or medical interpretation or advice.

Moisture Intrusion Limitation. Apex performs mold assessment services and is not a moisture intrusion, HVAC, roofing, plumbing or building envelope specialist. However, during the course of conducting its mold assessment services, Apex will report observed areas of apparent moisture intrusion. Apex does not and will not investigate the cause or causes of such observed moisture intrusion. In the event apparent moisture intrusion is observed, Apex will recommend

that the client contact a specialist (i.e., plumbing contractor, building envelope specialist, HVAC contractor, water intrusion specialist, etc.) to assist the client in determining the specific cause or causes of the moisture intrusion and remedial options.

Texas Licensing Requirements. Apex (and/or its personnel) will render the services set forth in this proposal in the capacity of a Texas licensed Mold Assessor. Apex is not licensed as a Mold Remediation Contractor and does not perform mold remediation. As of January 1, 2005, Texas law has required that Mold Assessors and Mold Remediation Contractors be licensed.

Mold Remediation Certificate. For mold remediation projects (above certain size thresholds), applicable Texas law (i.e., Texas Occupation Code Section 1958.54 and T.A.C. Section 295.397 (the Texas Mold Assessment and Remediation Rules), requires that a "Certificate of Mold Remediation" be issued by the Mold Remediation Contractor upon successful completion of the project. This certificate must be provided to property owners no later than the 10th day after the date on which the mold remediation is completed at a property. The Mold Remediation Certificate issued by the Mold Remediation Contractor must include a certification by the Mold Assessor that the mold remediation project has been successfully completed in accordance with the mold remediation protocol.

Be advised that Apex's issuance of a Mold Remediation Certificate upon successful completion of a Mold Remediation project does not mean, warrant or otherwise guarantee that mold will not be subsequently found in any portion of the Investigation Area or the Site. In the event that Apex is engaged to render services in connection with a mold remediation project, Apex will require *Client to provide to Apex a signed certificate prepared by Client's moisture intrusion specialist or appropriate contractor stating that all sources of moisture which resulted in the presence of mold in the Investigation Area have been fully remediated and corrected.*

Standard of Care

Apex performed its Services in accordance with generally accepted practices of the profession undertaken in similar services at the same time and in the same geographical area. No other warranties, expressed or implied, apply to the Services hereunder or this report.

Reliance

Apex's proposal for this project, services and this report have been prepared on behalf of and for the exclusive use of Lewisville Independent School District solely for their use and reliance in assessing the presence of mold in the Investigation Areas of the site. Lewisville Independent School District is the only party to which Apex explained the risks and limitations of the services and was solely involved in shaping the scope of services. Accordingly, reliance on this report by any other party may involve assumptions leading to an unintended interpretation of findings and opinions. With the consent of the client, Apex may offer reliance to third parties or contract with other parties to develop findings and opinions related to such party's unique risk management concerns. Notwithstanding the foregoing, reliance by any and all third parties upon the proposal, the Services or this report shall be limited in the aggregate to all relying parties to the fair market value of the Services provided by Apex.

