

**DATE:** November 18, 2014

**TO:** Chellie Adams, Principal

**SUBJECT:** Prairie Trail ES - IAQ - Retest Core sample results - Art Room storage room

On Wednesday 11/12, Apex-Titan Air tested and core sampled the wall between the custodial closet and the Art Room storage room. 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 the Art Room, was 11.1% of the outdoor levels, with no Stachybotrys. The core samples in the wall between the Custodial closet and the Storage room wall had extremely high Stachybotrys. On Monday 11/24, the wall will be remediated. I will meet with Custodial about clearing out the custodial closet. Will also meet with the teacher on Tuesday 11/18, and make arrangements to clear that closet. Will check with the West Zone for assistance on Friday 11/21, to help the teacher move the closet contents to another area. If you have any questions, please call me.

Thanks,

Paul

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



**DATE:** February 4, 2015

**TO:** Chellie Adams, Principal

**SUBJECT:** Prairie Trail ES - IAQ - Results report on the retest - Art Room Storage Room

On Monday 1/26, Apex-Titan Air tested the Art Room Storage Room. 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 the Art Room Storage Room, was 42.9% 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



January 30, 2015

Lewisville Independent School District 340 Lake Haven Lewisville, Texas 75057

Attn: Mr. Paul Siddall

Re: Limited Mold Assessment Services - Retest

Prairie Trail Elementary School Art Room Storage Closet 5555 Timber Creek Road Flower Mound. Texas

Apex Project No. 7210114H259C

LISD PO No. 91514519-00

#### 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 Prairie Trail Elementary School located at 5555 Timber Creek Road in Flower Mound, 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 January 26, 2015. 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 the Art Room Storage Closet. 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. P0114H1451) dated December 15, 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 January 26, 2015 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 investigation area was reported as 67.6 degrees Fahrenheit while relative humidity was reported as 46.8 percent. Temperature readings collected outside the building ranged from 63.5 to 64.0 degrees Fahrenheit while outside relative humidity ranged from 20.9 to 23 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							
Acceptable Ranges Of Temperature And Humidity							
Relative Humidity   Winter Temperatures   Summer Temperature							
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 investigation area ranged from 8 to 9%.



## 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 1,720 counts/m³, while the exterior level ranged from 2,585 to 4,013 counts/m³.

Five (5) types of mold were 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 Art Room Storage Closet reported Myxomycete/Periconia/Rust/Smut as 280 counts/m³, while exterior levels were reported as 133 counts/m³. Alternaria was reported as 160 counts/m³ while exterior levels were reported as 147 counts/m³. Agaricales group was reported as 73 counts/m³ while exterior levels were reported as 40 counts/m³. Curvularia was reported as 47 counts/m³ while exterior levels were reported as 13 counts/m³. Stachybotrys was reported as 13 counts/m³ while no exterior levels were reported.

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 on the day of the assessment. Due to the presence of Stachybotrys, additional testing may be considered for a higher level of confidence.

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



Moody LabsSummaryDSHS License No.: LAB01172051 Valley View LaneAIHA EMPAT ID: 102577

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

Client: Apex TITAN, Inc. - Dallas, TX Lab Job No. 15F-00913

Project: Prairie Trail ES Retest Report Date 01/28/2015 10:05 AM

**Project #:** 7210114H259C **Sample Date:** 01/26/2015

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

On 1/26/2015, 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		ntration  ubic meter
1	75	Exterior, Northwest	Cladosporium Basidiospores Aspergillus / Penicillium Hyphal / Spore Fragments Ascospores Alternaria Myxomycete / Periconia / Rust / Smut Torula Total:	1680 1186 467 280 200 147 40 13	42% 30% 12% 7% 5% 4% <1% <1%
2	75	Exterior, Northeast	Basidiospores Aspergillus / Penicillium Cladosporium Hyphal / Spore Fragments Myxomycete / Periconia / Rust / Smut Alternaria Ascospores Agaricales group Drechslera / Bipolaris group Curvularia Chaetomium	1053 520 373 213 133 107 93 40 27 13	41% 20% 14% 8% 5% 4% 4% 2% 1% <1%
			Total:	2585	100%

Moody Labs DSHS License No.: LAB0117 Summary 2051 Valley View Lane AIHA EMPAT ID: 102577

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

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Volume (liters)	Sample Description	Identification	Concentration spores/cubic meter		
150	Art Room Storage Closet * See Analytical Notes report for further details	Cladosporium Aspergillus / Penicillium Myxomycete / Periconia / Rust / Smut Hyphal / Spore Fragments Basidiospores Alternaria	360 354 280 213 207 160	21% 21% 16% 12% 12% 9%	
		Agaricales group Curvularia Stachybotrys Chaetomium	73 47 13 13	4% 3% <1% <1%	
		Total:	1720	100%	
		(liters)  150 Art Room Storage Closet  * See Analytical Notes report for	(liters)  Art Room Storage Closet * See Analytical Notes report for further details  Aspergillus / Penicillium Myxomycete / Periconia / Rust / Smut Hyphal / Spore Fragments Basidiospores Alternaria Agaricales group Curvularia Stachybotrys Chaetomium	(liters)  Art Room Storage Closet * See Analytical Notes report for further details  Cladosporium Aspergillus / Penicillium Myxomycete / Periconia / Rust / Smut Hyphal / Spore Fragments Basidiospores Alternaria Agaricales group Curvularia Stachybotrys Chaetomium  Storage Closet  Agoricales properium Aspergillus / Penicillium Myxomycete / Periconia / Rust / Smut Hyphal / Spore Fragments Curvularia Agaricales group Curvularia Stachybotrys 13	

Results may not be reported except in full. Data contained in this test report relates only to the samples tested. This report does not express or imply interpretation of the results contained herein. Interpretation should be made by a qualified professional.

Steve Moody Micro Services assumes no responsibility for the manner in which these samples were collected or handled prior to being received at this laboratory. SMMS assumes no responsibility for the qualifications of personnel performing sampling and/or interpretations of this data.

Analyst(s): Rob Greene

Lab Manager: Heather Lopez

Lab Director: Bruce Crabb

Thank you for choosing Steve Moody Micro Services

Approved Signatory: Bene Call

SMLMS v10.88

Moody LabsData DetailDSHS License No.: LAB01172051 Valley View LaneAIHA EMPAT ID: 102577

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

Client: Apex TITAN, Inc. - Dallas, TX Lab Job No.: 15F-00913

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Page 1 of 1

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Sample ID:	1			2			3					
Location:	Exterior, Northwest			Exterior, Northeast			Art Room Storage Closet					
Media Expires On:	Feb 2015			Feb 2015			Feb 2015					
Notes Included:												
Volume:			75				75		150			
	raw ct.	MDL	spores/m³		raw ct.	MDL	spores/m³		raw ct.	MDL	spores/m³	
Agaricales group					3	13.33	40	2%	11	6.67	73	4%
Alternaria	11	13.33	147	4%	8	13.33	107	4%	24	6.67	160	9%
Ascospores	15	13.33	200	5%	7	13.33	93	4%				
Aspergillus / Penicillium	35	13.33	467	12%	39	13.33	520	20%	53	6.67	354	21%
Basidiospores	89	13.33	1186	30%	79	13.33	1053	41%	31	6.67	207	12%
Chaetomium					1	13.33	13	<1%	2	6.67	13	<1%
Cladosporium	126	13.33	1680	42%	28	13.33	373	14%	54	6.67	360	21%
Curvularia					1	13.33	13	<1%	7	6.67	47	3%
Drechslera / Bipolaris group					2	13.33	27	1%				
Hyphal / Spore Fragments	21	13.33	280	7%	16	13.33	213	8%	32	6.67	213	12%
Memnoniella												
Myxomycete / Periconia / Rust / Smut	3	13.33	40	<1%	10	13.33	133	5%	42	6.67	280	16%
Stachybotrys									2	6.67	13	<1%
Torula	1	13.33	13	<1%								
TOTALS	301		4013	100%	194		2585	100%	258		1720	100%
Analyst		Rob	Greene		Rob Greene			Rob Greene				
Analysis Date	1/28/2015			1/28/2015			1/28/2015					
Debris Rating	4		3			5						
Debris Composition												
Fibers	1/5			1/5			5/5					
Inorganic/Other	4/5			4/5			5/5					
Insect Parts	0/5			0/5			0/5					
Pollen	0/5				0/5			1/5				
Skin/Dander		1/5			1/5			5/5				

Moody Labs DSHS License No.: LAB0117
2051 Valley View Lane DSHS License No.: LAB0117

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

Client: Apex TITAN, Inc. - Dallas, TX Lab Job No.: 15F-00913

Project: Prairie Trail ES Retest Report Date: 01/28/2015 10:05 AM

**Project #:** 7210114H259C **Sample Date:** 01/26/2015

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 consists of three sections; a summary section, a data detail section, and an analytical notes section. Results may not be reported except in full.

#### Samples Analyzed

Sample No: 3 : Art Room Storage Closet

Notes: 75% Occluded.

#### Field Blanks

No discernable field blanks were submitted with this set of samples.

#### NOTE: All remaining samples suitable for analysis.

#### Methods

Method: ASTM D7391-09: Categorization and Quantification of Airborne Fungal Structures in an Inertial Impaction Sample by Optical Microscopy.

Calculation: Spores/cubic meter = (Raw spore count)\*(MDL)

Note: MDL (Minimum Detection Limit) is calculated based upon 1 raw spore count.

Steve Moody Micro Services recommends two significant figures for calculated values based on ASTM D7391-09.

This report must not be used by the customer to claim product certification, approval, or endorsement by AIHA, ISO, or any agency of the Federal Government.

## **Debris Rating Key**

- 0 No debris detected.
- 1 Trace debris.
- 2 Light debris.
- 3 Moderate debris.
- 4 Substantial debris.
- 5 Extensive debris.
- 6 Field blank.
- 10 Hold Sample

NOTE: Debris defined as skin, fibers, pollen grains, insect parts, and/or other non-fungal particles.

Moody LabsAnalytical NotesDSHS License No.: LAB01172051 Valley View LaneAIHA EMPAT ID: 102577

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

Client: Apex TITAN, Inc. - Dallas, TX Lab Job No.: 15F-00913

Project: Prairie Trail ES Retest Report Date: 01/28/2015 10:05 AM

**Project #:** 7210114H259C **Sample Date:** 01/26/2015

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

Page 2 of 2

This report consists of three sections; a summary section, a data detail section, and an analytical notes section. Results may not be reported except in full.

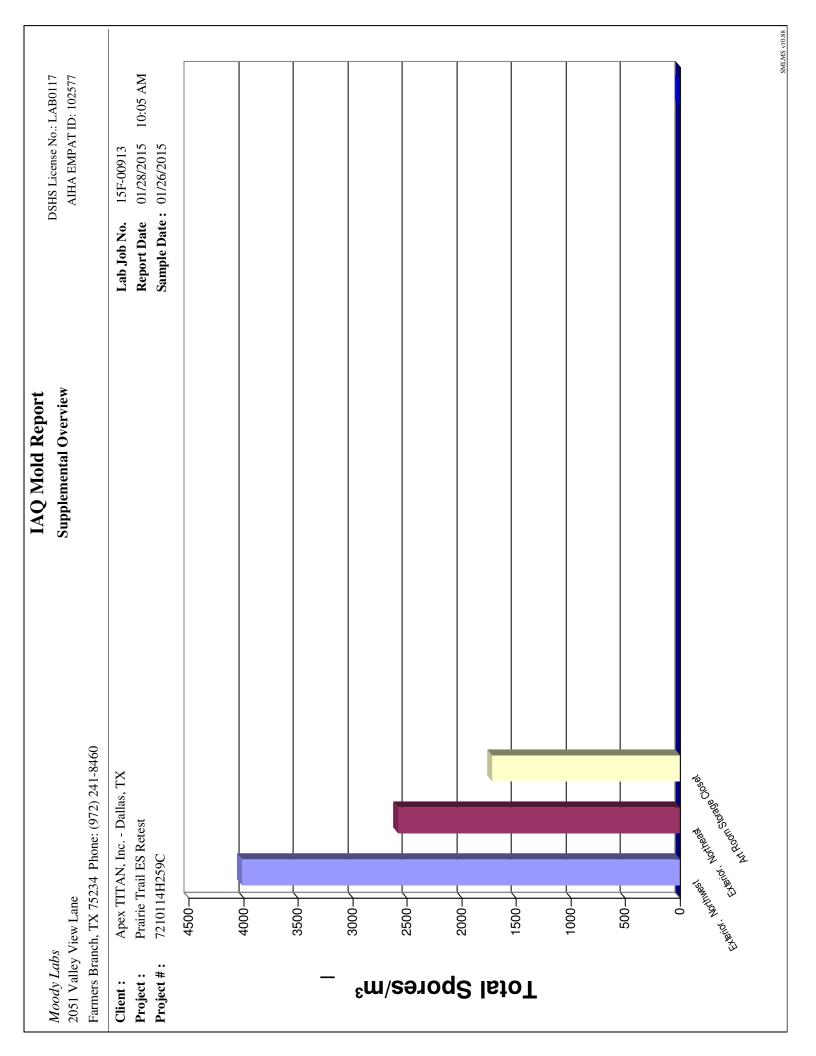


LAB#102577









DSHS License No.: LAB0117 AIHA EMPAT ID: 102577 10:05 AM 01/28/2015 **Sample Date:** 01/26/2015 15F-00913 Report Date Lab Job No. Sample ■ Average Reference 1 □ Average Reference 2 Supplemental Overview IAQ Mold Report - shoothpers Exterior, Northwest . . time I seuro I sino I seuro I seur shamer Jangs | Enthy dnots stellodis lease-trail minogeopelo Average Reference 1 = Exterior, Northwest, Exterior, Northeast Chaetomium Saludeolipise B Farmers Branch, TX 75234 Phone: (972) 241-8460 MINIPURA SAMBIBBASA Apex TITAN, Inc. - Dallas, TX Alternaria Prairie Trail ES Retest 7210114H259C 1000-800 1800-1600-1400-1200--009 400-2051 Valley View Lane Total Spores/m³ Moody Labs Project #: Project: Client:

10:05 AM DSHS License No.: LAB0117 AIHA EMPAT ID: 102577 01/28/2015 **Sample Date:** 01/26/2015 15F-00913 Report Date Lab Job No. Sample ■ Average Reference 1 □ Average Reference 2 Supplemental Overview IAQ Mold Report 4 onla - shoothpers Exterior, Northeast Myomake perconal pust sam Shangar Jangs | Enthy dnob signodia languand minogeopelo Average Reference 1 = Exterior, Northwest, Exterior, Northeast Chaebonium the distriction of the second Farmers Branch, TX 75234 Phone: (972) 241-8460 MINIPURA SAMBIBBASA Apex TITAN, Inc. - Dallas, TX Alternaria Prairie Trail ES Retest 7210114H259C 400-1000 800 -009 2051 Valley View Lane Total Spores/m³ Moody Labs Project #: Project: Client:

10:05 AM DSHS License No.: LAB0117 AIHA EMPAT ID: 102577 01/28/2015 **Sample Date:** 01/26/2015 15F-00913 Report Date Lab Job No. Sample ■ Average Reference 1 □ Average Reference 2 Supplemental Overview IAQ Mold Report Art Room Storage Closet , smoothpers Myomake perconal pust sam Shangar Jangs | Enthy dnots stellodis lease-trail minogeopelo Average Reference 1 = Exterior, Northwest, Exterior, Northeast Chaebonium the distriction of the second Farmers Branch, TX 75234 Phone: (972) 241-8460 milliphad silliphadad Apex TITAN, Inc. - Dallas, TX Prairie Trail ES Retest Alternaria 7210114H259C 400-1000 800 -009 2051 Valley View Lane Total Spores/m³ Moody Labs Project #: Project: Client:



# Chain of Custody

Lab Job#	15F-00913	ADC:3
Lab Job # _		
Lab Job #_		

*Please call i	n advance for immediate, after-ho	ur, & weekend pricing &ava	ilability.*			Page 1 of
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PCM Air (7	<u>7400)</u>		Expar	• =	mediate	= -
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TOTAL DU	JST (0500/0600)			ze Blanks	s    \text{No} \\ umples subject to Cult	<b>a</b>
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ASBESTOS				Colony Counts (	CC)	5 day
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Bulk/Wipe	e/Micro Vac	2 day 🔲 3 day 🔲 5 da	Total ( av	Coliform & E. co	li (P/A) 🔲 2-3 da	у
Water	☐ 1 day ☐	2 day 3 day	<u>OTHER</u>	<u>k:</u>		
Analyze B						
Billing Com	npany / City: Apax T	ten Charles So	seeth)		# of Samples:	3
Submitter's	Company:		· ·		Sample Date:	141000
Submitter's	Name: Chiat Jech		· · · · · · · · · · · · · · · · · · ·	W	Project #:	2412015 114H259C
Project: 📭	aire Trail ES F	letest			Phone #:	114H259C
Contact Info	ormation: Name:					7004 Mg.
E-mail Resul	lts to: Clint   Dascen	16-0-			Mobile #: (972) Fax #:	1701-631
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Sample #	Sample De		Vol. / Area (if applicable)		Location / Note	es
	Exterior North	west	75	7= 64.0	H = 23.1	%
2	Exterior Northe	est	7-5	T= 63.5	· H = 20.9	7.
3	ART Room Stere	ge Closet	150	T= 47.6	0 H = 46.8°	1. N=9.9 ·/
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## **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 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 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.

#### 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.

