

DATE: April 30, 2015

TO: Michele Jacobsen

SUBJECT: Coyote Ridge ES - IAQ - Results report - Rooms 135 & 233

On Monday 4/27, Apex-Titan Air tested Rooms 135 & 233. 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 135, was **0.6**%, and in Room 233, was **1.3**% 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



DATE: April 30, 2015

TO: Michele Jacobsen

SUBJECT: Coyote Ridge ES - IAQ - Results report - Rooms 135 & 233

On Monday 4/27, Apex-Titan Air tested Rooms 135 & 233. 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 135, was **0.6**%, and in Room 233, was **1.3**% 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



May 6, 2015

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

Re: Limited Mold Assessment Services

Coyote Ridge Elementary School

Rooms 135 and 233 4520 Maumee Drive Carrollton, Texas

LISD PO No. P91529944-00 Apex Project No. 7250115122

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 Rooms 135 and 233 of Coyote Ridge Elementary School located at 4520 Maumee Drive in Carrollton, 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. Darren G. Bowden, a State of Texas licensed Mold Assessment Consultant (Lic. No. MAC0321) on April 27, 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 rooms 135 and 233. 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. P01151170) dated April 16, 2015. 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 April 27, 2015 by Mr. Darren G. Bowden. Apex's visual reconnaissance of the Investigation areas revealed the following:

Temperature and Relative Humidity

Temperature readings collected inside the rooms ranged from 73.2 to 75.3 degrees Fahrenheit while relative humidity ranged from 43.0 to 55.8 percent. Temperature readings collected outside the building ranged from 69.2 to 69.8 degrees Fahrenheit while outside relative humidity ranged from 55.4 to 56.2 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	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 ranged from 12 to 14% which is considered normal by the manufacturer.



Air Monitoring Results

Apex collected two (2) samples from the interior of the investigation areas and two (2) samples from the exterior of the building. The microbial samples were analyzed by Steve Moody Micro Services, LLC (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 ranged from 421 counts/m³ to 949 counts/m³, while the exterior level ranged from 60,904 to 73.050 counts/m³.

One type of mold was identified at a higher concentration within the investigation area of room compared to the samples collected from the exterior of the building. Air sample(s) collected within room 233 reported Oidium as 7 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.

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

Texas Mold Assessment Consultant

- A Forle

Lic. No. MAC0321

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



ATTACHMENT 1

Analytical Results/Chain of Custody





Summary

2051 Valley View Lane

DSHS License No.: LAB0117 AIHA EMPAT ID: 102577

Lab Job No. 15F-05172

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

Client: Apex TITAN, Inc. - Dallas, TX

Project: Coyote Ridge 135 & 233 **Report Date** 04/30/2015 10:25 AM

Project #: 7250115122 **Sample Date :** 04/27/2015

Sample Type: Spore Trap, Non-cultured Spore Trap Type: Zefon - Air-O-Cell

Test Method: Mold: ASTM D7391-09 - Standard Profile Page 1 of 3

On 4/28/2015, four (4) samples were submitted by Darren Bowden 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	150	233	Basidiospores Ascospores Cladosporium Aspergillus / Penicillium Hyphal / Spore Fragments Alternaria Oidium Coprinus group Stachybotrys Myxomycete / Rust / Smut Drechslera / Bipolaris group	587 147 87 67 13 13 7 7 7	62% 15% 9% 7% 1% <1% <1% <1% <1% <1% <1%
2	Basidiospores Ascospores Hyphal / Spore Fragments Cladosporium Myxomycete / Rust / Smut Drechslera / Bipolaris group Stachybotrys		Ascospores Hyphal / Spore Fragments Cladosporium Myxomycete / Rust / Smut Drechslera / Bipolaris group	949 273 47 27 27 20 13 7	100% 65% 11% 6% 6% 5% 3% 2% 2%
			Total:	421	100%



Client:

Project:

Project #:

notes section.

IAQ Mold Report

Summary

2051 Valley View Lane

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

Coyote Ridge 135 & 233

7250115122

Sample Type: Spore Trap, Non-cultured

Apex TITAN, Inc. - Dallas, TX

Lab Job No. 15F-05172

Report Date 04/30/2015 10:25 AM

DSHS License No.: LAB0117

AIHA EMPAT ID: 102577

Sample Date: 04/27/2015

Spore Trap Type: Zefon - Air-O-Cell

Page 2 of 3

Test Method: Mold: ASTM D7391-09 - Standard Profile On 4/28/2015, four (4) samples were submitted by Darren Bowden 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

Sample Number	Volume (liters)	Sample Description	Identification		ntration
3	75	Outside * See Analytical Notes report for further details	Basidiospores Ascospores Myxomycete / Rust / Smut Coprinus group Cladosporium Aspergillus / Penicillium Hyphal / Spore Fragments Drechslera / Bipolaris group Pestalotia Helicomyces Alternaria Nigrospora Fusarium Stachybotrys Agaricales group Cercospora Pithomyces Total:	46400 24200 826 440 413 293 213 53 40 40 27 13 13 13 13 73050	64% 33% 1% <1% <1% <1% <1% <1% <1% <1% <1% <1%



Summary

2051 Valley View Lane

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

Client: Apex TITAN, Inc. - Dallas, TX **Lab Job No.** 15F-05172

Project: Coyote Ridge 135 & 233 **Report Date** 04/30/2015 10:25 AM

Project #: 7250115122 **Sample Date:** 04/27/2015

Sample Type: Spore Trap, Non-cultured Spore Trap Type: Zefon - Air-O-Cell

Test Method: Mold: ASTM D7391-09 - Standard Profile Page 3 of 3

On 4/28/2015, four (4) samples were submitted by Darren Bowden 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
4	75	Outside * See Analytical Notes report for further details	Basidiospores Ascospores Coprinus group Myxomycete / Rust / Smut Hyphal / Spore Fragments Cladosporium Drechslera / Bipolaris group Alternaria Aspergillus / Penicillium Epicoccum Cercospora Agaricales group Pestalotia Helicomyces Curvularia	51200 6840 813 773 533 413 93 67 53 40 27 13 13	84% 11% 1% 1% <1% <1% <1% <1% <1% <1% <1%
			Total:	60904	<1%

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

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

Analyst(s): Rebecca Lutz

Lab Director: Bruce Crabb

Lab Manager: Heather Lopez

Approved Signatory: Benne Cull

Thank you for choosing Moody Labs

SMLMS v11.11

DSHS License No.: LAB0117

AIHA EMPAT ID: 102577

This Page Left Intentionally Blank



Data Detail

2051 Valley View Lane

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

DSHS License No.: LAB0117

AIHA EMPAT ID: 102577

Client: Apex TITAN, Inc. - Dallas, TX Lab Job No.: 15F-05172

Project: Coyote Ridge 135 & 233 **Report Date:** 04/30/2015 10:25 AM

Project #: 7250115122 **Sample Date :** 04/27/2015

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.

Sample ID:		1			2				3				
Location:		233				135				Outside			
Media Expires On:		Oct 2015				Oct 2015				Oct 2015			
Notes Included:									S	See Analytical Notes			
Volume:			150				150			75			
	raw ct.	MDL	spores/m³		raw ct.	MDL	spores/m³		raw ct.	MDL	spores/m³		
Agaricales group									1	13.33	13	<1%	
Alternaria	2	6.67	13	1%	1	6.67	7	2%	3	13.33	40	<1%	
Ascospores	22	6.67	147	15%	7	6.67	47	11%	121	200.00	24200	33%	
Aspergillus / Penicillium	10	6.67	67	7%					22	13.33	293	<1%	
Basidiospores	88	6.67	587	62%	41	6.67	273	65%	116	400.00	46400	64%	
Cercospora									1	13.33	13	<1%	
Chaetomium													
Cladosporium	13	6.67	87	9%	4	6.67	27	6%	31	13.33	413	<1%	
Coprinus group	1	6.67	7	<1%					33	13.33	440	<1%	
Curvularia													
Drechslera / Bipolaris group	1	6.67	7	<1%	2	6.67	13	3%	4	13.33	53	<1%	
Epicoccum													
Fusarium									1		13	<1%	
Helicomyces									3	13.33	40	<1%	
Hyphal / Spore Fragments	2	6.67	13	1%	4	6.67	27	6%	16	13.33	213	<1%	
Memnoniella													
Myxomycete / Rust / Smut	1	6.67	7	<1%	3	6.67	20	5%	62	13.33	826	1%	
Nigrospora									2	13.33	27	<1%	
Oidium	1	6.67	7	<1%									
Pestalotia									3		40	<1%	
Pithomyces									1	13.33	13	<1%	
Stachybotrys	1	6.67	7	<1%	1	6.67	7	2%	1	13.33	13	<1%	
TOTALS	142		949	100%	63		421	100%	421		73050	100%	
Analyst			ecca Lutz				cca Lutz				ecca Lutz		
Analysis Date		4/3	0/2015			4/3	0/2015			4/3	0/2015		
Debris Rating		4					2				3		
Debris Composition													
Fibers		2/5			1/5				2/5				
Inorganic/Other		2/5			2/5			3/5					
Insect Parts			1/5				0/5		1/5				
Pollen			1/5				0/5				3/5		
Skin/Dander			4/5				2/5		1/5				



Client:

IAQ Mold Report

Data Detail

DSHS License No.: LAB0117

AIHA EMPAT ID: 102577

2051 Valley View Lane

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

Apex TITAN, Inc. - Dallas, TX

Lab Job No.: 15F-05172

Project: Coyote Ridge 135 & 233 **Report Date:** 04/30/2015 10:25 AM

Project #: 7250115122 **Sample Date :** 04/27/2015

Sample Type: Spore Trap, Non-cultured Spore Trap Type: Zefon - Air-O-Cell

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.

Sample ID:	4							
Location:		0	utside		_			
Media Expires On:	Oct 2015							
Notes Included:	S	ee Ana	lytical Notes	S				
Volume:			75					
	raw ct.	MDL	spores/m³					
Agaricales group	1	13.33	13	<1%				
Alternaria	5	13.33	67	<1%				
Ascospores	171	40.00	6840	11%				
Aspergillus / Penicillium	4	13.33	53	<1%				
Basidiospores	128	400.00	51200	84%				
Cercospora	2	13.33	27	<1%				
Chaetomium								
Cladosporium	31	13.33	413	<1%				
Coprinus group	61	13.33	813	1%				
Curvularia	1	13.33	13	<1%				
Drechslera / Bipolaris group	7	13.33	93	<1%				
Epicoccum	3	13.33	40	<1%				
Fusarium								
Helicomyces	1	13.33	13	<1%				
Hyphal / Spore Fragments	40	13.33	533	<1%				
Memnoniella								
Myxomycete / Rust / Smut	58	13.33	773	1%				
Nigrospora								
Oidium								
Pestalotia	1	13.33	13	<1%				
Pithomyces								
Stachybotrys								
TOTALS	514		60904	100%				
Analyst		Rebe	ecca Lutz					
Analysis Date		4/3	0/2015					
Debris Rating			3					
Debris Composition								
Fibers	2/5							
Inorganic/Other	3/5							
Insect Parts			1/5					
Pollen			2/5					
Skin/Dander			1/5					



Client:

IAQ Mold Report

Analytical Notes

DSHS License No.: LAB0117

AIHA EMPAT ID: 102577

2051 Valley View Lane

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

Apex TITAN, Inc. - Dallas, TX

Lab Job No.: 15F-05172

Project: Coyote Ridge 135 & 233 **Report Date:** 04/30/2015 10:25 AM

Sample Type: Spore Trap, Non-cultured Spore Trap Type: Zefon - Air-O-Cell

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

Page 1 of 3

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 : Outside

Notes: Due to a high presence of Basidiospores, the Minimum Detection Limit is 400 spores / cubic meter for

this fungal group. When comparing results to other samples, use calculated results, not raw numbers. Due to a high presence of Ascospores, the Minimum Detection Limit is 200 spores / cubic meter for this fungal group. When comparing results to other samples, use calculated results, not raw numbers.

Sample No 4 : Outside

Notes: Due to a high presence of Basidiospores, the Minimum Detection Limit is 400 spores / cubic meter for

this fungal group. When comparing results to other samples, use calculated results, not raw numbers. Due to a high presence of Ascospores, the Minimum Detection Limit is 40 spores / cubic meter for this fungal group. When comparing results to other samples, use calculated results, not raw numbers.

Field Blanks

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

NOTE: All remaining samples suitable for analysis.



Analytical Notes

DSHS License No.: LAB0117

AIHA EMPAT ID: 102577

2051 Valley View Lane

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

Client: Apex TITAN, Inc. - Dallas, TX Lab Job No.: 15F-05172

Project: Coyote Ridge 135 & 233 **Report Date:** 04/30/2015 10:25 AM

Project #: 7250115122 **Sample Date :** 04/27/2015

Sample Type: Spore Trap, Non-cultured Spore Trap Type: Zefon - Air-O-Cell

Test Method: Mold: ASTM D7391-09 - Standard Profile Page 2 of 3
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.

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.

Moody Labs 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.

SMLMS v11.1



Analytical Notes

2051 Valley View Lane

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

Client: Apex TITAN, Inc. - Dallas, TX Lab Job No.: 15F-05172

Project: Coyote Ridge 135 & 233 **Report Date:** 04/30/2015 10:25 AM

Sample Type: Spore Trap, Non-cultured Spore Trap Type: Zefon - Air-O-Cell

Test Method: Mold: ASTM D7391-09 - Standard Profile Page 3 of 3

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



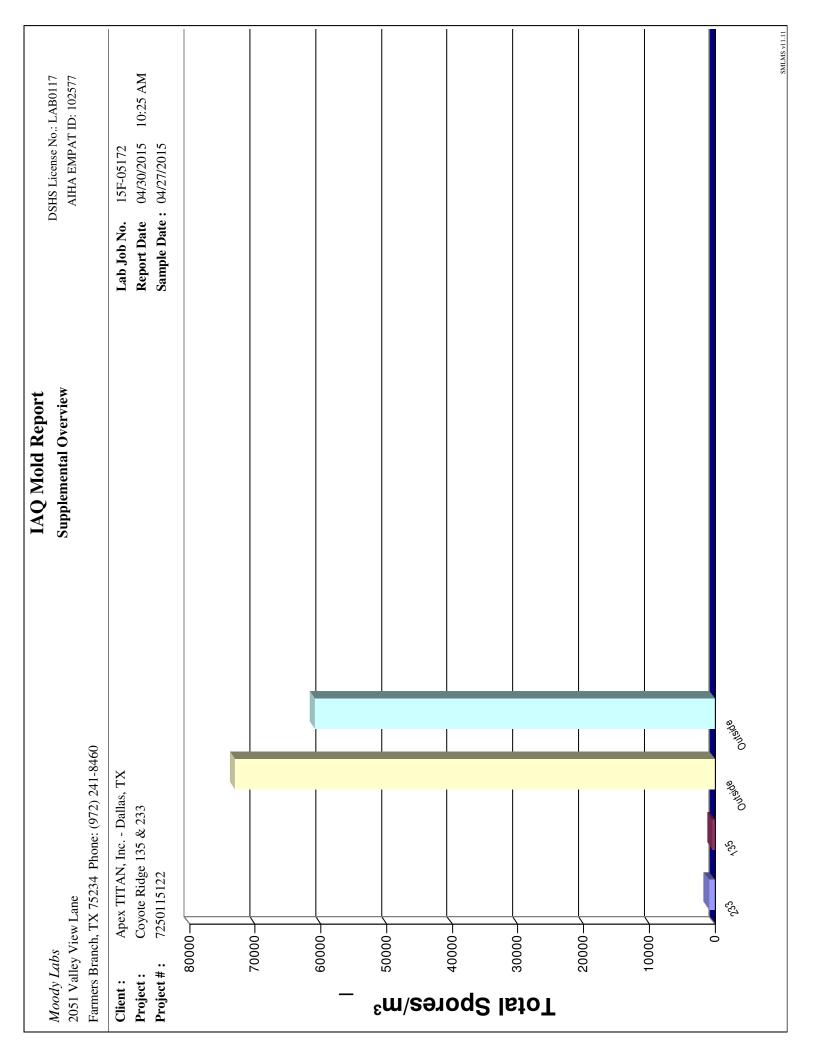


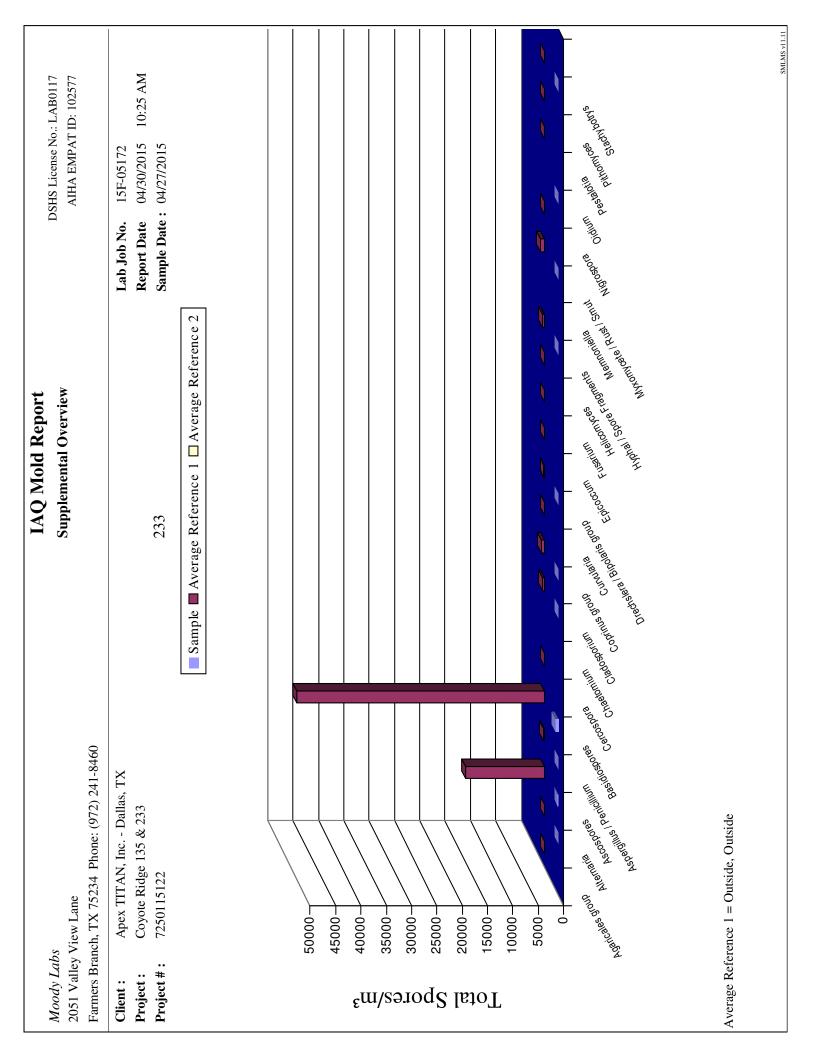


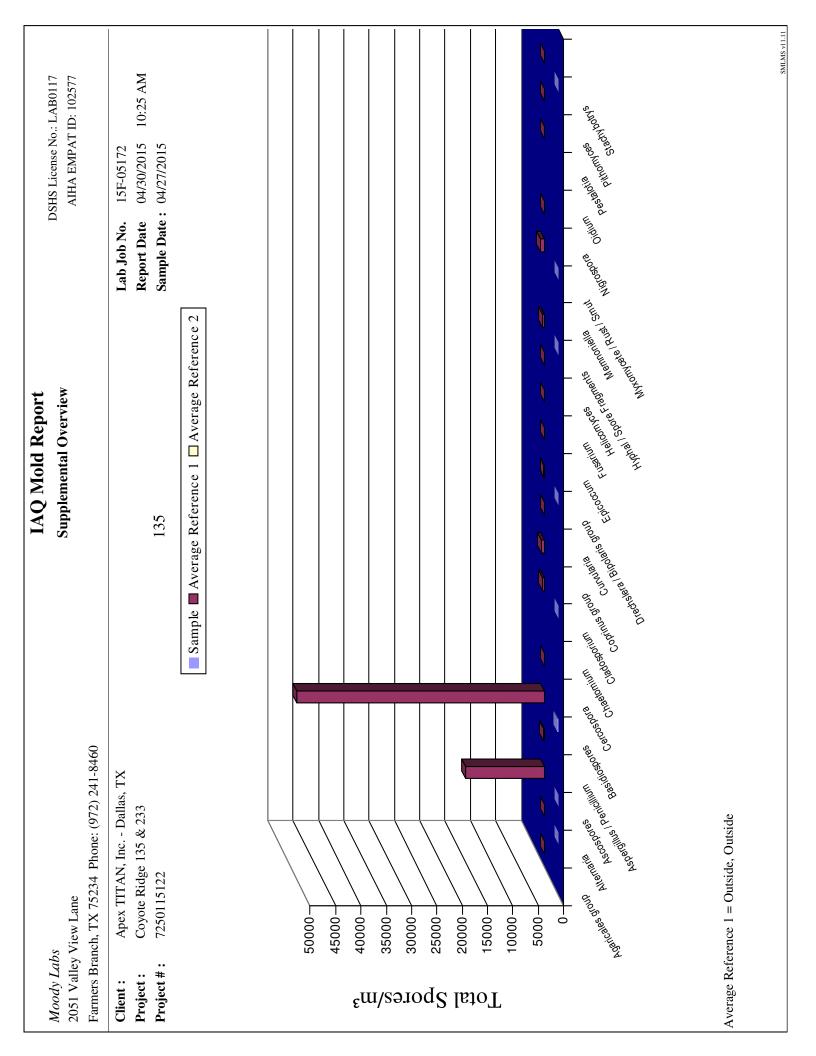
DSHS License No.: LAB0117

AIHA EMPAT ID: 102577

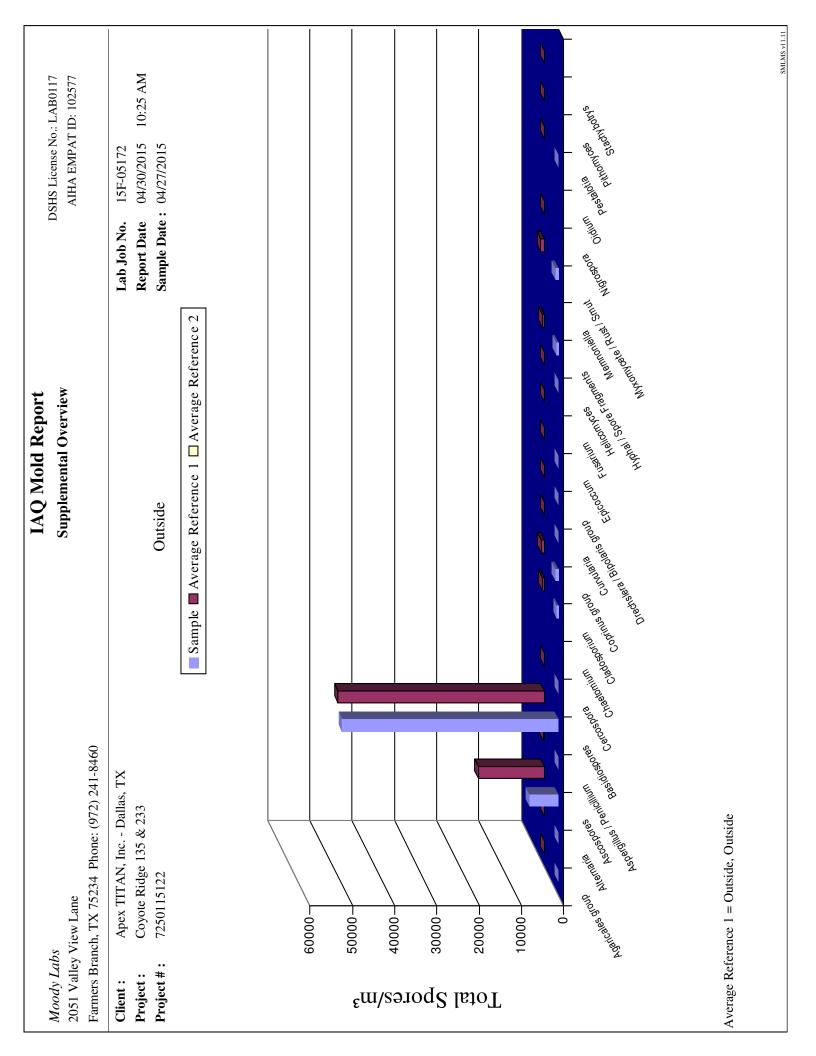
This Page Left Intentionally Blank







10:25 AM DSHS License No.: LAB0117 AIHA EMPAT ID: 102577 shoakisers 04/30/2015 **Sample Date:** 04/27/2015 15F-05172 elfoletsed pestalotia Report Date Lab Job No. 810dsolbiN Myomore Rus Smit Sample ■ Average Reference 1 □ Average Reference 2 stramory ands length Supplemental Overview IAQ Mold Report MILLESTIA Outside duois sielodia lebastano Copinis group Muhodeopelo Chaetomium Cercospora salodsolvised Farmers Branch, TX 75234 Phone: (972) 241-8460 Apex TITAN, Inc. - Dallas, TX mulliphad sullipaded Coyote Ridge 135 & 233 Average Reference 1 = Outside, Outside Alternaria 7250115122 Agaicales group 2051 Valley View Lane 35000-20000-50000-40000-30000-25000-15000-10000 -0009 45000-Moody Labs Project #: Project: Client: Total Spores/m³





Lab Job #	15F-05172	ACK: 4
Lab Job #_		7.02
Lab Job #_		

		*Please call in	advance for immedi	ate, after-hou	r, & weeken	d pricing & auc!!-	hilia u	
ASBESTOS				MOLD	., weenell	~ pricing & availa		e of
Bulk		☐ 1 day ☐ 2 day ☐ Analyze All	☐ 3 day ☐ 5 day	y Direct Stand	Exam ard A ir	☐ Immediate ☐ Immediate	☐ 1 day	2 day
PCM Air (7		☐ 1 day ☐ 2 day	•	Expan Cultur		☐ Immediate ☐ 10-14 days		☐ 2 day
TOTAL DU	ST (0500/06	<u>00)</u>	,	Allaly	ze Bianks	☐ Yes	□ No	
ASBESTOS Air AHER Air 7402 Bulk Water/W Analyze Billing Com Submitter's C Submitter's N Project: C Contact Info E-mail Result Invoice Addre	A Method (Modified) I/ipe/Micro Vac Blanks I/ipany / City: / Company: / A Name: / Company: Name: Na	1 day 2 day 2 day 1 day 2 day 2 day 2 day 1 day 2 day 1 day 2 day Yes No No No No No No No N	☐ 3 day ☐ 3 day ☐ 5 day ☐ 3 day	Colony CC + (Colifor Legion OTHER:	Counts (Counts (Counts) (Count	# of Sample Sample Dat Project #: Phone #: Mobile #: Fax #:	☐ 3 day ☐ 3 day ☐ 2-3 da' ☐ 14 day es:	5 day 5 day 5 day
Notes:		before submitting to lab. Und	sealed / improperly package	ed / damaged / exp	ired samples or e	excessive administrative	requests may in	ncur additional fees*
Sample #		Sample Description	on	Vol. / Area (if applicable)		Location /	Notes	
	135			150				
3	outs: 1	0		150				
4	Outs: 1	·		7.5				
				/ 3				
Released By	Ch	4/4	Date / Time:	Received By:	Unit	1 Or	164 Date / 125/ Pare / 1	Time: Siller

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.

