

DATE: March 21, 2014

TO: Martha Gooding, Principal

SUBJECT: Ethridge ES - IAQ - Initial contact - Room A-5

On Tuesday 3/18, I received W.O. #180591: <u>"In A5 the teacher has mentioned that in</u> the morning after her room has been empty and closed for the night it is very noticeable that there is a distinct "earthy" smell. She doesn't notice it as much during the day as all the students are there with their natural odors. There has been several leaks in that room over the years, and we just wanted to be sure that the air quality is where it should be. Could we please have this room checked for any air problems." On Wednesday 3/19 and Thursday 3/20, I inspected Room A-5 at 7:00 AM. There were no noticeable water intrusions and no outstanding smells. I have requested an Air Test be done. We should have the results back next week. If you have any questions, please contact me.

Thanks, Paul

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



DATE: April 4, 2014

TO: Martha Gooding, Principal

SUBJECT: Ethridge ES - IAQ - Air Test results - Room A-5

On Friday 3/28, SWG Air tested the Room A-5. 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 Room A-5, was <u>26.2%</u> of the outdoor levels. Utilizing this theory, the indoor concentrations are within the acceptable guidelines for areas with filtered air or air conditioning. <u>Even</u> though the mold count was within range, we had 6% of Stachybotrys. I am requesting Custodial to Shampoo the carpet tonight 4/4, and Southwest GeoScience will retest on Tuesday 4/8 or Wednesday 4/9. Weather conditions should be favorable for testing. 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 11, 2014

TO: Martha Gooding, Principal

SUBJECT: Ethridge ES - IAQ - Air Test results - Rooms A-5 & A-7

On Tuesday 4/8, SWG Air tested the Rooms A-5 & A-7. 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 Room A-5, was **11.0**%, Room A-7, was **15.6**% of the outdoor levels. Utilizing this theory, the indoor concentrations are well 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



April 14, 2014

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

Re: Limited Mold Assessment Services Ethridge Elementary School Rooms A-5, and A-7 6001 Ethridge The Colony, Texas Project No. 7210114H07 LISD PO# P268077

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 Ethridge Elementary School located at 6001 Ethridge in The Colony, 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 April 8, 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 A5 and A7. 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. P0114H1143) dated April 8, 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's Mold Assessment Site reconnaissance was performed on April 8, 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 ranged from 72.5 to 72.6 degrees Fahrenheit while relative humidity ranged from 37.2 to 39 percent. Temperature readings collected outside the building ranged from 69.4 to 70.8 degrees Fahrenheit while outside relative humidity ranged from 23.3 to 27.2 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	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 ranged from 7 to 13% which is considered normal by the manufacturer.



Air Monitoring Results

Apex collected two (2) samples 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 ranged from 1,784 counts/m³ to 2,535 counts/m³, while the exterior level ranged from 12,810 to 16,287 counts/m³. However, the air sample collected within room A5 reported Stachybotrys and Chaetomium as 7 counts/m³ while no exterior levels were reported. Curvularia was reported as 27 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.

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.

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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



			Mold Report	
Steve Moody Mit 2051 Valley View		vices, LLC S		icense No.: LAB0117 A EMPAT ID: 102577
Farmers Branch, T	X 75234	Phone: (972) 241-8460		
Client : At	ex TITA	N, Inc Dallas, TX	Lab Job No. 14F-0	4164
1		S Room A5 and A7	Report Date 04/10/	
÷	10114H0		-	
Sample Type: Sp		•	Spore Trap Type: Zefon - Air-O-Ce	11
	-	M D7391-09 - Standard Profile		Page 1 of 3
			Inc Dallas, TX (located at 2351 W. NW Highway ree sections; a summary section, a data detail section	7 #3321, Dallas, TX
Sample Number	Volume	Sample Description	Identification	Concentration
Sample Number		Sample Description	Identification	spores/cubic meter
	(liters)			spores/euble meter
1	75	Exterior, Southeast	Alternaria	507
		* See Analytical Notes report for	Ascospores	1173
		further details	Aspergillus / Penicillium	480
			Basidiospores	813
			Cladosporium	9331
			Drechslera / Bipolaris group	27
			Epicoccum	40
			Hyphal / Spore Fragments	253
			Myxomycete / Rust / Smut	173
			Sporormiella	13
			Total	: 12810
2	75	Exterior, Northeast	Alternaria	666
-	10	* See Analytical Notes report for	Ascospores	1053
		further details	Aspergillus / Penicillium	173
			Basidiospores	1293
			Cladosporium	12170
			Coprinus	13
			Drechslera / Bipolaris group	40
			Epicoccum	80
			Fusicladium	13
			Hyphal / Spore Fragments	573
			Myxomycete / Rust / Smut	133
			Nigrospora	13
			Oidium	27
			Ulocladium / Stemphylium	40
			Total	: 16287

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		IAQ I	Mold Report		
Steve Moody Mi	cro Serv	vices, LLC S	Summarv	DSHS Licens	e No.: LAB0117
2051 Valley View	/ Lane			AIHA EM	PAT ID: 102577
Farmers Branch,	ГХ 75234	4 Phone: (972) 241-8460			
Client : A	pex TITA	N, Inc Dallas, TX	Lab Job No.	. 14F-04164	
Project : Et	hridge E	S Room A5 and A7	Report Date	e 04/10/2014	2:06 PM
Project # : 72	210114H0	Sample Date : 04	/08/2014		
Sample Type: Sp	ore Trap	, Non-cultured	Spore Trap Type: Zefon - A	ir-O-Cell	
Test Method: M	old: AST	M D7391-09 - Standard Profile			Page 2 of 3
		ere submitted by Clint Jech of Apex TITAN, ired mold analysis. This report consists of th			
Sample Number	Volume	Sample Description	Identification		Concentration
Sample Number	(liters)	Sample Description			spores/cubic meter
	(Inters)				spores, edore meter
3	150	Room A5	Alternaria		127
		* See Analytical Notes report for	Ascospores		67
		further details	Aspergillus / Penicillium		47
			Basidiospores		447
			Chaetomium		7
			Cladosporium		767
			Coprinus		7
			Curvularia		27
			Drechslera / Bipolaris group		7
			Hyphal / Spore Fragments		187
			Myxomycete / Rust / Smut		87
			Stachybotrys		7
				Total:	1784
4	150	Room A7	Alternaria		13
		* See Analytical Notes report for	Ascospores		87
		further details	Aspergillus / Penicillium		287
			Basidiospores		927
			Cladosporium		827
			Hyphal / Spore Fragments		267
			Myxomycete / Rust / Smut		120
			Ulocladium / Stemphylium		7
				Total:	2535
	1				

IAO Mold Donort

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		IA	AQ Mold Report		
Steve Moody Mi		ices, LLC	Summarv	DSHS Licens	e No.: LAB0117
2051 Valley View				AIHA EM	PAT ID: 102577
Farmers Branch, 7	TX 75234	Phone: (972) 241-8460			
Client : A _l	bex TITA	N, Inc Dallas, TX	l	L ab Job No. 14F-04164	
Project : Et	hridge ES	S Room A5 and A7]	Report Date 04/10/2014	2:06 PM
0	10114H0	•	e: 04/08/2014		
Sample Type: Sp				e: Zefon - Air-O-Cell	
Test Method: M	old: AST	M D7391-09 - Standard Profi	le		Page 3 of 3
		re submitted by Clint Jech of Apex T red mold analysis. This report consis			
Sample Number	Volume (liters)	Sample Description	Ider	ntification	Concentration spores/cubic meter
the results contained her Steve Moody Micro Ser SMMS assumes no resp Analyst(s): Rebe	ein. Interpre- vices assume onsibility for cca Lutz	n full. Data contained in this test report tation should be made by a qualified pro es no responsibility for the manner in wh the qualifications of personnel perform	fessional. nich these samples were collected or ing sampling and/or interpretations of	handled prior to being received a of this data.	this laboratory.
Lab Director: Bruc	e Crabb	Thank you for choosing	Approved Signatory : Steve Moody Micro Services	Bene Cull	•

				IAQ	Mo	ld Repo	ort					
Steve Moody Micro Serva 2051 Valley View Lane Farmers Branch, TX 75234			241-8460		Data	Detail						LAB0117 D: 102577
Client : Apex TITA	N, Inc	Dallas	, TX				L	ab Job	No. : 14F	-04164		
Project : Ethridge ES	Room A	5 and	A7				R	eport]	Date : 04/1	0/2014	2:0	6 PM
Project # : 7210114H0	71		Sample I	Date :	04/08/	2014		_				
Sample Type: Spore Trap,	Non-cul	tured	-			pore Trap) Type:	Zefo	n - Air-O-O	Cell		
Test Method: Mold: AST This report consists of three section	M D7391	-09 - \$									-	e 1 of 1 ept in full.
Sample ID:		1			2			3			4	
Location:	Exte	erior, S	outheast	Exte	erior, N	ortheast		Room	A5		Room	A7
Debris Rating:		5			5			5			5	
Media Expires On:		Feb 2	015		Feb 2	015		Feb 20	015		Feb 2	015
Notes Included?:												
Volume:		75			75			150)		150)
	raw ct.	MDL	spores/m ³	raw ct.	MDL	spores/m ³	raw ct.	MDL	spores/m ³	raw ct.	MDL	spores/m ³
Alternaria	38	13.33	507	50	13.33	666	19	6.67	127	2	6.67	13
Ascospores	88	13.33	1173	79	13.33	1053	10	6.67	67	13	6.67	87
Aspergillus / Penicillium	36	13.33	480	13	13.33	173	7	6.67	47	43	6.67	287
Basidiospores	61	13.33	813	97	13.33	1293	67	6.67	447	139	6.67	927
Chaetomium							1	6.67	7			
Cladosporium	700	13.33	9331	913	13.33	12170	115	6.67	767	124	6.67	827
Coprinus				1	13.33	13	1	6.67	7			
Curvularia							4	6.67	27			
Drechslera / Bipolaris group	2	13.33	27	3	13.33	40	1	6.67	7			
Epicoccum	3	13.33	40	6	13.33	80						
Fusicladium				1	13.33	13						
Hyphal / Spore Fragments	19	13.33	253	43	13.33	573	28	6.67	187	40	6.67	267
Memnoniella												
Myxomycete / Rust / Smut	13	13.33	173	10	13.33	133	13	6.67	87	18	6.67	120
Nigrospora				1	13.33	13						
Oidium				2	13.33	27						
Sporormiella	1	13.33	13									
Stachybotrys							1	6.67	7			
Ulocladium / Stemphylium				3	13.33	40				1	6.67	7
TOTALS	961		12810	1222		16287	267		1784	380		2535
Analyst	F	Rebecca	a Lutz	F	Rebecca	a Lutz	F	lebecca	a Lutz	F	lebecca	a Lutz
Analysis Date		4/10/2	014		4/10/2	014		4/10/2	014		4/10/2	014

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.

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

		IAQ Mold Report	
Steve Moody	Micro Services, LLC	Analytical Notes	DSHS License No.: LAB0117
2051 Valley V	iew Lane		AIHA EMPAT ID: 102577
Farmers Branc	ch, TX 75234 Phone: (972) 241-8	3460	
Client :	Apex TITAN, Inc Dallas, TX	L	ab Job No. : 14F-04164
Project :	Ethridge ES Room A5 and A7	R	Report Date : 04/10/2014 2:06 PM
Project # :	7210114H071 Sar	nple Date: 04/08/2014	
Sample Type:	Spore Trap, Non-cultured	Spore Trap Typ	e: Zefon - Air-O-Cell
Test Method:	Mold: ASTM D7391-09 - Stand	lard Profile	Page 1 of 2
This report consist	ts of three sections; a summary section, a	data detail section, and an analytical notes se	ction. Results may not be reported except in full.
Samples An	alyzed		
Sample No:	1 : Exterior, Southeast		
Notes:	30% Occluded.		
Sample No:	2: Exterior, Northeast		
Notes:	20% Occluded.		
Sample No:	3 : Room A5		
Notes:	35% Occluded.		
Sample No:	4 : Room A7		
Notes:	45% Occluded.		
Field Blank	s		
No discernab	le field blanks were submitted wit	h this set of samples.	

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.



naround of Cu	tec for immediate, after-hour, & weekend pricing & avai alture Samples subject to Culture Growth** PLM	Lab Jo	<u>ASBESTOS TEM</u>
FOTAL DUS	□ 1 day □ 2 day □ 3 day □ 5 day □ Analyze All □ Positive Stop 00) □ 1 day □ 2 day □ 3 day □ 5 da ST (0500/0600) □ 1 day □ 2 day		Air AHERA Method 6 hr 12hr 24 Air 7402 (Modified) 1 day 2 day 3 Bulk/Wipe/Micro Vac 1 day 2 day 3 Water 1 day 2 day 3 Analyze Blanks Yes No
Analyze		Immediate anded Profile	BACTERIAHeterotrophic Plate Count (HPC)3 dayHPC + Gram Stain3 dayHPC + 3 Gram Neg ID6-8 dayHPC + 5 Gram Neg ID6-8 dayFecal Coliform (MPN)3 day
<u>DTHER</u> : Billing Com	pany/City: Apex Titan Salla	 <	Total Coliform & E Coli (P/A)
	Company:		
	Name: Clint Jeck		
Project:	hridge ES Room A5 + A	2	Phone #:
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E-mail Result nvoice Addro Please review pape Notes: Sample # 2	ts to: ts	y packaged / damaged / expinence Vol. / Area if applicable 7.5 7.5	Violtowske $E_{a,c}^{a,c}$ P.O. #: ired samples or excessive administrative requests may incur additional j Location / Notes $T = 49.4^{\circ}$ $H = 23.3^{\circ}/6^{\circ}$ $T = 70.8^{\circ}$ $H = 27.2^{\circ}/6^{\circ}$ $T = 72.6^{\circ}$ $H = 37.2^{\circ}/6^{\circ}$ M = 7 - 13 Caitings = Ceitroj Julo Wealts = Drywell / Cork Beaut
E-mail Result nvoice Addre Please review pape Notes: Sample # 	ts to: <u>dbowlen@apexcos.com</u> cjeuke ess: <u>vjackowski@apexcos.com</u> erwork and samples before submitting to lab. Unsealed / impropert Sample Description Exterior, <u>Southeast</u> Exterior, <u>Northeast</u> Roam A 5	y packaged / damaged / expinence Vol. / Area if applicable 7.5 7.5	Vio.150 WHERE $E_{a,b}^{a,c}$ is concepted and provide the formula of the provided and provided
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E-mail Result nvoice Addro Please review pape Notes: Sample # 	ts to: <u>dbowlen@apexcos.com</u> cjeuke ess: <u>vjackowski@apexcos.com</u> erwork and samples before submitting to lab. Unsealed / impropert Sample Description Exterior, <u>Southeast</u> Exterior, <u>Northeast</u> Roam A 5	Vol. / Area if applicable 7.5 7.5 150	Vio.150 WHERE $E_{a,b}^{a,c}$ is concepted and provide the formula of the provided and provided
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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 (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.

