

Southwest GEOSCIENCE

2351 W. Northwest Hwy., Suite 3321
Dallas, Texas 75220
Ph: (214) 350-5469
Fax: (214) 350-2914

October 16, 2012

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

Re: Mold Assessment Services – Retest 1
Heritage Elementary School
Rooms: A-19, A-20, B-13 and the Counselor's Office
100 Barnett Boulevard
Highland Village, Texas
SWG Project No. 0112246A

Introduction

Southwest Geoscience (SWG) conducted limited mold assessment activities for the Lewisville Independent School District (Lewisville I.S.D.) within rooms A-19, A-20, B-13 and the Counselor's Office at Heritage Elementary School located at 100 Barnett Boulevard in Highland Village, 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 (License No. MAT1075), on October 12, 2012. SWG'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 A-19, A-20, B-13 and the Counselor's Office. SWG'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 SWG's mold assessment or this report at this time.

Scope of Work

As set forth in SWG's Mold Assessment Proposal (No. 01121349) dated October 5, 2012, SWG's scope-of-work was to provide visual and/or analytical mold assessment and related services in the Investigation Areas which included:

Visual Reconnaissance: SWG 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. SWG's visual reconnaissance only included readily accessible or visible portions of the Investigation Areas.

Suspect Mold Growth Sampling and Analysis: SWG 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

SWG's Mold Assessment Site reconnaissance was performed on September 12, 2012 by Mr. Clinton S. Jech. SWG's visual reconnaissance of the Investigation areas revealed the following:

Temperature and Relative Humidity

Temperature readings collected inside the building on October 12, 2012 ranged from 73.5 to 77.0 degrees Fahrenheit while relative humidity ranged from 43.4 to 46.1 percent. Temperature readings collected outside the building ranged from 92.1 to 93.3 degrees Fahrenheit while outside relative humidity was ranged from 43.3 to 46.2 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/work place 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.

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

SWG utilized a Protimeter Moisture Measurement System (MMS) instrument (Model No. BLD2000) to measure and diagnose dampness of the affected drywall. 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 of the drywall collected in the investigation areas ranged from 7-13% relative humidity which is considered normal by the manufacturer.

Air Monitoring Results

SWG collected four (4) samples from the interior of the building and two (2) samples from the exterior of the building. The microbial samples were analyzed by Steve Moody Micro Services, L.L.C. (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 found that airborne mold spores in the investigation areas were considerably lower and were qualitatively similar to those measured outside of the building at the time the sampling was performed. Total interior fungal spore concentration within the investigation areas ranged from 500 to 3,400 counts/m³ while exterior levels ranged from 18,200 to 18,720 counts/m³. Molds identified in higher concentrations inside the building as compared to the exterior samples are listed in the table below.

Molds Identified at Higher Concentration Inside the Building as Compared to the Exterior Samples				
Sample No.	Location	Identification	Indoor Reading counts/m³	Outdoor Reading counts/m³
3	A-19	Hyphal/Spore Fragments	320	200
3	A-19	Stachybotrys	40	None Detected
4	A-20	Alternaria	60	40
4	A-20	Chaetomium	20	None Detected
4	A-20	Drechslera/Bipolaris Group	340	120
4	A-20	Hyphal/Spore Fragments	1,380	200
4	A-20	Myxomycete/Rust/Smut	340	240
4	A-20	Non-specified Fungal Spore(s)	60	None Detected
4	A-20	Pithomyces	40	None Detected
5	B-13	Exserohilum	20	None Detected
5	B-13	Stachybotrys	20	None Detected
6	Counselor's Office	Curvularia	80	40
6	Counselor's Office	Drechslera/Bipolaris Group	380	120
6	Counselor's Office	Hypal/Spore Fragments	760	200
6	Counselor's Office	Myxomycete/Rust/Smut	420	240
6	Counselor's Office	Pithomyces	60	None Detected

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

Visible mold was not observed during the assessment.

Conclusions and Recommendations

Based on SWG's limited assessment and the analytical results, SWG recommends that rooms A-19, A-20, B-13 and the Counselor's Office be cleaned and retested. 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,
Southwest Geoscience



Darren G. Bowden
Corporate Director
Industrial Hygiene Services
Texas Mold Assessment Consultant
Lic. No. MAC0321

Attachments: Analytical Results/Chain of Custody
Mold Services Definitions & Limitations/Standard of Care and Reliance

Analytical Results/Chain of Custody

IAQ Mold Report

Steve Moody Micro Services, LLC

2051 Valley View Lane

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

Summary

DSHS License No.: LAB0117

AIHA EMPAT ID: 102577

Client : Southwest Geoscience - Dallas, TX

Lab Job No. 12F-12226

Project : Heritage ES, Rooms A-19, A-20, B-13 & Counselor's Ofc

Report Date 10/16/2012 11:18 AM

Project # : 0112246A

Sample Date : 10/12/2012

Sample Type: Spore Trap, Non-cultured

Spore Trap Type: Zefon - Air-O-Cell

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

Page 1 of 4

On 10/12/2012, six (6) samples were submitted by Clint Jech of Southwest Geoscience - Dallas, TX (located at 2351 W NW Hwy #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	Concentration spores/cubic meter
1	75	Exterior, North * See Analytical Notes report for further details	Agrocybe Alternaria Ascospores Aspergillus / Penicillium Basidiospores Cercospora Cladosporium Coprinus Curvularia Drechslera / Bipolaris group Fusarium Ganoderma Hyphal / Spore Fragments Myxomycete / Rust / Smut Paecilomyces Peronospora Pyricularia Total:	120 40 680 1120 12400 40 2600 360 40 40 40 40 200 240 160 40 40 18200

IAQ Mold Report

Steve Moody Micro Services, LLC

2051 Valley View Lane

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

Summary

DSHS License No.: LAB0117

AIHA EMPAT ID: 102577

Client : Southwest Geoscience - Dallas, TX

Lab Job No. 12F-12226

Project : Heritage ES, Rooms A-19, A-20, B-13 & Counselor's Ofc

Report Date 10/16/2012 11:18 AM

Project # : 0112246A

Sample Date : 10/12/2012

Sample Type: Spore Trap, Non-cultured

Spore Trap Type: Zefon - Air-O-Cell

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

Page 2 of 4

On 10/12/2012, six (6) samples were submitted by Clint Jech of Southwest Geoscience - Dallas, TX (located at 2351 W NW Hwy #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	Concentration spores/cubic meter
2	75	Exterior, Northwest * See Analytical Notes report for further details	Agrocybe	80
			Alternaria	40
			Ascospores	440
			Aspergillus / Penicillium	240
			Basidiospores	11400
			Cladosporium	5480
			Coprinus	360
			Drechslera / Bipolaris group	120
			Fusarium	80
			Ganoderma	120
			Hyphal / Spore Fragments	80
			Myxomycete / Rust / Smut	240
			Peronospora	40
			Total:	
3	150	Room A-19	Aspergillus / Penicillium	20
			Basidiospores	220
			Cladosporium	160
			Curvularia	20
			Drechslera / Bipolaris group	60
			Hyphal / Spore Fragments	320
			Myxomycete / Rust / Smut	60
			Stachybotrys	40
Total:			900	

IAQ Mold Report

Steve Moody Micro Services, LLC
 2051 Valley View Lane
 Farmers Branch, TX 75234 Phone: (972) 241-8460

Summary

DSHS License No.: LAB0117
 AIHA EMPAT ID: 102577

Client : Southwest Geoscience - Dallas, TX **Lab Job No.** 12F-12226
Project : Heritage ES, Rooms A-19, A-20, B-13 & Counselor's Ofc **Report Date** 10/16/2012 11:18 AM
Project # : 0112246A **Sample Date :** 10/12/2012
Sample Type: Spore Trap, Non-cultured **Spore Trap Type:** Zefon - Air-O-Cell
Test Method: Mold: ASTM D7391-09 - Standard Profile Page 3 of 4

On 10/12/2012, six (6) samples were submitted by Clint Jech of Southwest Geoscience - Dallas, TX (located at 2351 W NW Hwy #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	Concentration spores/cubic meter
4	150	Room A-20 * See Analytical Notes report for further details	Alternaria	60
			Aspergillus / Penicillium	60
			Basidiospores	440
			Chaetomium	20
			Cladosporium	240
			Drechslera / Bipolaris group	340
			Hyphal / Spore Fragments	1380
			Myxomycete / Rust / Smut	340
			Non-specified Fungal Spore(s)	60
			Pithomyces	40
5	150	Room B-13	Alternaria	20
			Ascospores	60
			Basidiospores	120
			Cladosporium	40
			Curvularia	40
			Drechslera / Bipolaris group	80
			Exserohilum	20
			Hyphal / Spore Fragments	80
			Myxomycete / Rust / Smut	20
			Stachybotrys	20

IAQ Mold Report

Steve Moody Micro Services, LLC
 2051 Valley View Lane
 Farmers Branch, TX 75234 Phone: (972) 241-8460

Summary

DSHS License No.: LAB0117
 AIHA EMPAT ID: 102577

Client : Southwest Geoscience - Dallas, TX **Lab Job No.** 12F-12226
Project : Heritage ES, Rooms A-19, A-20, B-13 & Counselor's Ofc **Report Date** 10/16/2012 11:18 AM
Project # : 0112246A **Sample Date :** 10/12/2012
Sample Type: Spore Trap, Non-cultured **Spore Trap Type:** Zefon - Air-O-Cell
Test Method: Mold: ASTM D7391-09 - Standard Profile Page 4 of 4

On 10/12/2012, six (6) samples were submitted by Clint Jech of Southwest Geoscience - Dallas, TX (located at 2351 W NW Hwy #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	Concentration spores/cubic meter
6	150	Counselor's Office * See Analytical Notes report for further details	Alternaria Ascospores Aspergillus / Penicillium Basidiospores Cladosporium Curvularia Drechslera / Bipolaris group Hyphal / Spore Fragments Myxomycete / Rust / Smut Pithomyces <div style="text-align: right;">Total:</div>	40 60 120 680 800 80 380 760 420 60 3400

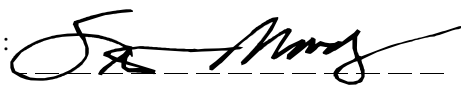
Results may not be reported except in full. Data contained in this test report relates only to the samples tested. This report does not express or imply interpretation of the results contained herein. Interpretation should be made by a qualified professional.

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): Rebecca Lutz

Lab Director: Steve Moody

Approved Signatory :



Thank you for choosing Steve Moody Micro Services

IAQ Mold Report

Steve Moody Micro Services, LLC
 2051 Valley View Lane
 Farmers Branch, TX 75234 Phone: (972) 241-8460

Data Detail

DSHS License No.: LAB0117
 AIHA EMPAT ID: 102577

Client : Southwest Geoscience - Dallas, TX **Lab Job No. :** 12F-12226
Project : Heritage ES, Rooms A-19, A-20, B-13 & Counselor's Ofc **Report Date :** 10/16/2012 11:18 AM
Project # : 0112246A **Sample Date :** 10/12/2012
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.

Sample ID:	1			2			3			4		
Location:	Exterior, North			Exterior, Northwest			Room A-19			Room A-20		
Debris Rating:	3			3			4			5		
Media Expires On:	Jul 2013			Jul 2013			Jul 2013			Jul 2013		
Notes Included?:	See Analytical Notes			See Analytical Notes								
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
Agrocybe	3	40.00	120	2	40.00	80						
Alternaria	1	40.00	40	1	40.00	40				3	20.00	60
Ascospores	17	40.00	680	11	40.00	440						
Aspergillus / Penicillium	28	40.00	1120	6	40.00	240	1	20.00	20	3	20.00	60
Basidiospores	124	100.00	12400	114	100.00	11400	11	20.00	220	22	20.00	440
Cercospora	1	40.00	40									
Chaetomium										1	20.00	20
Cladosporium	65	40.00	2600	137	40.00	5480	8	20.00	160	12	20.00	240
Coprinus	9	40.00	360	9	40.00	360						
Curvularia	1	40.00	40				1	20.00	20			
Drechslera / Bipolaris group	1	40.00	40	3	40.00	120	3	20.00	60	17	20.00	340
Exserohilum												
Fusarium	1	40.00	40	2	40.00	80						
Ganoderma	1	40.00	40	3	40.00	120						
Hyphal / Spore Fragments	5	40.00	200	2	40.00	80	16	20.00	320	69	20.00	1380
Memnoniella												
Myxomycete / Rust / Smut	6	40.00	240	6	40.00	240	3	20.00	60	17	20.00	340
Non-specified Fungal Spore(s)										3	20.00	60
Paecilomyces	4	40.00	160									
Peronospora	1	40.00	40	1	40.00	40						
Pithomyces										2	20.00	40
Pollen												
Pyricularia	1	40.00	40									
Stachybotrys							2	20.00	40			
TOTALS	269		18200	297		18720	45		900	149		2980
Analyst	Rebecca Lutz			Rebecca Lutz			Rebecca Lutz			Rebecca Lutz		
Analysis Date	10/16/2012			10/16/2012			10/16/2012			10/16/2012		

IAQ Mold Report

Steve Moody Micro Services, LLC
 2051 Valley View Lane
 Farmers Branch, TX 75234 Phone: (972) 241-8460

Data Detail

DSHS License No.: LAB0117
 AIHA EMPAT ID: 102577

Client : Southwest Geoscience - Dallas, TX **Lab Job No. :** 12F-12226
Project : Heritage ES, Rooms A-19, A-20, B-13 & Counselor's Ofc **Report Date :** 10/16/2012 11:18 AM
Project # : 0112246A **Sample Date :** 10/12/2012
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.

Sample ID:	5			6					
Location:	Room B-13			Counselor's Office					
Debris Rating:	4			5					
Media Expires On:	Jul 2013			Jul 2013					
Notes Included?:									
Volume:	150			150					
	raw ct.	MDL	spores/m ³	raw ct.	MDL	spores/m ³			
Agrocybe									
Alternaria	1	20.00	20	2	20.00	40			
Ascospores	3	20.00	60	3	20.00	60			
Aspergillus / Penicillium				6	20.00	120			
Basidiospores	6	20.00	120	34	20.00	680			
Cercospora									
Chaetomium									
Cladosporium	2	20.00	40	40	20.00	800			
Coprinus									
Curvularia	2	20.00	40	4	20.00	80			
Drechslera / Bipolaris group	4	20.00	80	19	20.00	380			
Exserohilum	1	20.00	20						
Fusarium									
Ganoderma									
Hyphal / Spore Fragments	4	20.00	80	38	20.00	760			
Memnoniella									
Myxomycete / Rust / Smut	1	20.00	20	21	20.00	420			
Non-specified Fungal Spore(s)									
Paecilomyces									
Peronospora									
Pithomyces				3	20.00	60			
Pollen									
Pyricularia									
Stachybotrys	1	20.00	20						
TOTALS	25		500	170		3400			
Analyst	Rebecca Lutz			Rebecca Lutz					
Analysis Date	10/16/2012			10/16/2012					

IAQ Mold Report

Steve Moody Micro Services, LLC

2051 Valley View Lane

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

Data Detail

DSHS License No.: LAB0117

AIHA EMPAT ID: 102577

Client : Southwest Geoscience - Dallas, TX

Lab Job No. : 12F-12226

Project : Heritage ES, Rooms A-19, A-20, B-13 & Counselor's Ofc

Report Date : 10/16/2012 11:18 AM

Project # : 0112246A

Sample Date : 10/12/2012

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.

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
2051 Valley View Lane
Farmers Branch, TX 75234 Phone: (972) 241-8460

Analytical Notes

DSHS License No.: LAB0117
AIHA EMPAT ID: 102577

Client : Southwest Geoscience - Dallas, TX **Lab Job No. :** 12F-12226
Project : Heritage ES, Rooms A-19, A-20, B-13 & Counselor's Ofc **Report Date :** 10/16/2012 11:18 AM
Project # : 0112246A **Sample Date :** 10/12/2012
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:	1 : Exterior, North
Notes:	Due to a high presence of Basidiospores, the Minimum Detection Limit is 100 spores / cubic meter for this fungal group. When comparing results to other samples, use calculated results, not raw numbers.
Sample No:	2 : Exterior, Northwest
Notes:	Due to a high presence of Basidiospores, the Minimum Detection Limit is 100 spores / cubic meter for this fungal group. When comparing results to other samples, use calculated results, not raw numbers.
Sample No:	4 : Room A-20
Notes:	30% Occluded.
Sample No:	6 : Counselor's Office
Notes:	30% 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.

IAQ Mold Report

Steve Moody Micro Services, LLC

2051 Valley View Lane

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

Analytical Notes

DSHS License No.: LAB0117

AIHA EMPAT ID: 102577

Client : Southwest Geoscience - Dallas, TX

Lab Job No. : 12F-12226

Project : Heritage ES, Rooms A-19, A-20, B-13 & Counselor's Ofc

Report Date : 10/16/2012 11:18 AM

Project # : 0112246A

Sample Date : 10/12/2012

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.



LAB # 102577

Chain of Custody

Page 1 of 2



Lab Job # 12F-12226 AOC:6
 Lab Job # _____
 Lab Job # _____

*Please call in advance for immediate, after-hour, & weekend pricing & availability.**
 Turnaround of Culture Samples subject to Culture Growth*

ASBESTOS PLM

Bulk 1 day 2 day 3 day 5 day Immediate
 Analyze All Positive Stop

LEAD Paint / Soil / Wipe 1 day 2 day 3 day 5 day Immediate

PCM Air (7400) 1 day 2 day 3 day 5 day Immediate

TOTAL DUST (0500/0600) 1 day 2 day

MOLD

Non-culture (Tape / Bulk / Air) 1 day 2 day Immediate
 Air Standard Profile Air Expanded Profile

Analyze Blanks Yes No

Culture (Swab / Bulk / Plate) 7-14 day

ASBESTOS TEM

Air AHERA Method 6 hr 12hr 24 hr
 Air 7402 (Modified) 1 day 2 day 3 day
 Bulk/Wipe/Micro Vac 1 day 2 day 3 day
 Water 1 day 2 day 3 day
Analyze Blanks Yes No

BACTERIA

Heterotrophic Plate Count (HPC) 3 day
 HPC + Gram Stain 3 day 5 day
 HPC + 3 Gram Neg ID 6-8 day
 HPC + 5 Gram Neg ID 6-8 day
 Fecal Coliform (MPN) 3 day
 Total Coliform & E Coli (P/A) 2-3 day

Billing Company / City: SWG

of Samples: 6

Submitter / Company: Clinton S. Jell

Sample Date: 10/12/2012

Project: Heritage Es. Rooms A-19, A-20, B-13 + Counselor's office

Project #: 0112246 A

Contact Information: Name: Clint Jell

Phone #: _____

E-mail Results to: Clint / Darren / Veronica

Mobile #: 972 989-1031

Invoice Address: Veronica

P.O. #: _____

— Please review paperwork and samples before submitting to lab. Unsealed / improperly packaged samples or excessive administrative requests may incur additional fees—

Notes: Hot Water Heater Busted.

Sample #	Sample Description	Vol. / Area if applicable	Location / Notes
1	Exterior, North	75	H=43.3% T=92.1°
2	Exterior, Northwest	75	H=46.2% T=93.3°
3	Room A-19	150	H=45.8% T=77.0° M=8-11 Walls = Drywall / Cork Board
4	Room A-20	150	H=43.4% T=76.2° M=8-12 Walls = Drywall / Cork Board
5	Room B-13	150	H=44.9% T=77.0° M=7-13 Walls = Drywall / Cork Board
6	Counselor's office	150	H=46.1% T=73.5° M=12 Walls = Drywall / Cork Board Drywall

Released By: <u>[Signature]</u>	Date / Time: <u>10/12/2012 1544</u>	Received By: <u>[Signature]</u>	Date / Time: <u>10-12-12 3:46PM</u>
Released By: _____	Date / Time: _____	Received By: _____	Date / Time: _____

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 single-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 SWG'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, SWG 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). SWG cannot warrant the accuracy of prior or subsequent information/data, reports and services performed by other firms at the Site. SWG assumes no responsibility or liability for errors in information or data provided by or through the client or third party sources. SWG's services are not to be construed as legal or medical interpretation or advice.

Moisture Intrusion Limitation. SWG 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, SWG will report observed areas of apparent moisture intrusion. SWG does not and will not investigate the cause or causes of such observed moisture intrusion. In the event apparent moisture intrusion is observed, SWG 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. SWG (and/or its personnel) will render the services set forth in this proposal in the capacity of a Texas licensed Mold Assessor. SWG 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 SWG'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 SWG is engaged to render services in connection with a mold remediation project, SWG will require *Client to provide to SWG 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

SWG 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

SWG'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 SWG 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, SWG 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 SWG.
