

STC

Environmental Services Inc.
Environmental Scientists and Engineers

4754 RESEARCH DRIVE

SAN ANTONIO, TEXAS 78240

Office (210) 696-6286 / FAX (210) 696-8761

September 11, 2007

Ms. Rachel Peña
SAHA
818 S. Flores Street
San Antonio, Texas 78204

RE: Report of Mold Clearance Testing of 1006 N.W. 27th, San Antonio, Texas
STC Project 27418R2

Ms. Peña:

In accordance with your request, we have conducted mold clearance testing at the above reference location. The air sampling consisted of bioaerosols air sampling of selected areas. The sampling was completed on September 7, 2007.

PROJECT INFORMATION

STC was asked to conduct mold clearance testing after remediation in response to a mold assessment conducted by Mr. David O. Scheiding P.E. of STC Environmental Services. Mr. Scheiding is a Texas Licensed Mold Consultant (MAC0174). The following comments document the results of the mold clearance sampling completed on September 7, 2007 in response to the mold remediation protocol documented by STC Report dated July 9, 2007.

RESULTS OF THE INDOOR AIR QUALITY INVESTIGATION

Visual Inspection and Interviews

Upon arrival, STC inspected the area for any visible evidence of mold. No evidence of build-up of mold was noted (See Photos 1, 2, 3 and 4).

Based on the above inspection, the following air samples were collected.

- A-1 Breathing environment inside the containment
- A-2 Outside

The two (2) air samples collected on September 7, 2007 were submitted to EMSL Analytical, Inc. in Westmont, New Jersey for analysis for mold and fungi levels and identification. EMSL is a Texas licensed mold laboratory (LAB0105).

Air Sample Results

Two (2) air samples were collected for this clearance. The following tables depict the results of the air sampling.

**TABLE I
AIR SAMPLING RESULTS FOR
MOLD AND POLLEN SPORES**

Sample ID and Location	Particle ID	Concentration Particles/Cubic Meter	Adjusted for Outside
A-1 – Breathing environment inside containment	Agrocybe/Coprinus	ND	N/A
	Alternaria	42	Equal to outside
	Arthrospores	ND	N/A
	Ascospores	ND	N/A
	Aspergillus/Penicillium	798	Less than outside
	Arthrimum	ND	N/A
	Basidiospores	42	Less than outside
	Bipolaris	42	Equal to outside
	Cercospora	ND	N/A
	Chaetomium	ND	N/A
	Cladosporium	210	Less than outside
	Curvularia	126	Greater than outside
	Epicoccum	ND	N/A
	Fusarium	ND	N/A
	Myxomycete	ND	N/A
	Nigrospora	Present	N/A
	Peronospora	ND	N/A
	Pithomyces/Ulocladium	ND	N/A
	Stachybotrys	ND	N/A
	Scopulariopsis	ND	N/A
	Smut	ND	N/A
	Tetraploa	ND	N/A
	Spegazzinia	ND	N/A
	Unidentifiable spores	ND	N/A
	Total Mold	1340	Less than outside
	Total Pollen	42	Less than outside
Hyphal Fragment	42	Equal to outside	
Fibrous Particulate	210	Greater than outside	
Insect Fragments	ND	N/A	

Sample ID and Location	Particle ID	Concentration Particles/Cubic Meter	Adjusted for Outside
A-2 – Outside	Agrocybe/Coprinus	ND	N/A
	Alternaria	ND	N/A
	Arthrospores	ND	N/A
	Ascospores	168	N/A
	Aspergillus/Penicillium	3740	N/A
	Arthrinium	ND	N/A
	Basidiospores	1720	N/A
	Bipolaris	42	N/A
	Cercospora	126	N/A
	Chaetomium	ND	N/A
	Cladosporium	9410	N/A
	Curvularia	42	N/A
	Epicoccum	ND	N/A
	Fusarium	378	N/A
	Ganoderma	42	N/A
	Nigrospora	42	N/A
	Myxomycete	ND	N/A
	Pithomyces	ND	N/A
	Stachybotrys	ND	N/A
	Torula	84	N/A
	Unidentifiable spores	ND	N/A
Total Mold	15800	N/A	
Total Pollen	126	N/A	
Hyphal Fragment	42	N/A	
Fibrous Particulate	ND	N/A	
Insect Fragments	ND	N/A	

Air Sample Discussion (General)

The results of air sampling should always include a comparison to outside levels at the time of indoor sampling. This is required since make-up air for the HVAC unit comes from outside as well as outside air entering with normal door opening during entry and departure events. It also should be noted that there are **NO** specified levels of mold/fungi that are considered harmful to humans. Each individual has a different tolerance level for molds/fungi species. In addition, different geographical locations also have a wide variance of air quality levels. Therefore what is considered normal outside in one (1) geographical area may never occur in other geographical areas.

It is generally accepted that “normal” outside levels are 1,200 or 12,000 counts/m³ depending on Laboratory Protocol, with the majority of the particles made up of the common species of Aspergillus/Penicillium and Cladosporium. Based on this outside “normal” level, the inside level that is accepted as “normal” is 300 or 3,000 counts/m³. Essentially acceptable indoor air quality is normally considered to be 50% of the outside level when the HVAC unit is running. This is why a comparison is always required to establish acceptable indoor levels. With the HVAC system running then the indoor air quality should be less than 2,000 or 20,000 counts/m³. For clearance sampling the inside should be less than the outside level with **NO** Stachybotrys.

Air Sample Results Discussion (Specific)

The air sample collected outside (A-2) produced a level of 15800 counts/m³. The species identified included Aspergillus/Penicillium, Ascospores, Alternaria, Basidiospores, Bipolaris, Cladosporium, Fusarium, Ganoderma, Cercospora, Torula and Nigrospora. This level is above the level normally accepted as "normal" for outside.

The one (1) sample collected inside the containment (A-1) produced a level of 1340 counts/m³ respectively. The species identified included Alternaria, Aspergillus/Penicillium, Basidiospores, Bipolaris, Cladosporium, Curvularia and Fusarium. The above level is 8.5% of the outside level. Based on the level and type of species, the residence is considered acceptable for mold.

A copy of the analytical laboratory report is attached.

CONCLUSIONS

Based on the above investigation, the following conclusions are supported:

- The breathing environment inside 1006 NW 27th is considered acceptable for mold.

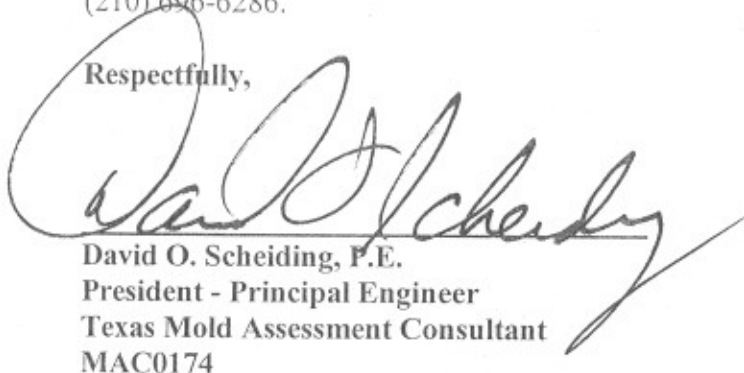
RECOMMENDATIONS

Based on the above results, the following recommendations are provided.

- No further remedial actions are recommended or considered warranted at the current time.

If you have any questions concerning the above, please do not hesitate to contact our office at (210) 696-6286.

Respectfully,



David O. Scheiding, P.E.
President - Principal Engineer
Texas Mold Assessment Consultant
MAC0174

**Attachments: Laboratory Report
Photos**



EMSL Analytical, Inc.

107 Haddon Avenue Westmont, NJ 08108

Phone: (856) 858-4800

Fax: (856) 858-0648

Email: westmontmicro@emsl.com

Attn: Dave Scheiding
STC Environmental Services, Inc.
4754 Research Drive
San Antonio, TX 78240

EMSL Order: 370706582
Customer ID: STCE50
Received: 9/8/07
Analyzed: 9/10/07
Report Date: 9/10/07

Proj: 27418 1006 NW 27th

Air-O-Cell™ Cassette Analysis of Fungal Spores & Other Airborne Particulates by Optical Microscopy (EMSL Method M001)

Lab Sample Number:	370706582-0001	370706582-0002			
Client Sample ID:	A-1	A-2			
Volume (L):	75	75			
Sample Location:	Bedroom	Outside			
Spore Types	Count/m ³	Count/m ³			
Agrocybe/Coprinus	-	-			
Alternaria	42	42			
Ascospores	-	168			
Aspergillus/Penicillium	798	3740			
Basidiospores	42	1720			
Bipolaris	42	42			
Chaetomium	-	-			
Cladosporium	210	9410			
Curvularia	126	42			
Epicoccum	-	-			
Fusarium	84	378			
Ganoderma	-	42			
Myxomycete	-	-			
Paecilomyces	-	-			
Rust	-	-			
Scopulariopsis	-	-			
Stachybotrys	-	-			
Torula	-	84			
Ulocladium	-	-			
Unidentifiable Spores	-	-			
Zygomycetes	-	-			
Cercospora	-	126			
Nigrospora	Present	42			
Total Fungi	1340	15800			
Fibrous Particulate	210	-			
Hyphal Fragment	42	42			
Insect Fragment	-	-			
Pollen	-	126			
Analytical Sensitivity	42	42			
Skin Fragments (1-4)	1	0			
Background (1-5)	1	1			

No discernable field blank was submitted with this group of samples.

ACCREDITATIONS: AIHA EMLAP #100194

Samples received in good condition unless otherwise noted. High Levels of background particulate can obscure spores and other particulates leading to underestimation. Background levels of 5 indicate an overloading of background particulates, prohibiting accurate detection and quantification. The detection limit is equal to one fungal spore, structure, pollen, fiber particle or insect fragment. Present= Spores found during additional scan at lower mag. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. Results have not been adjusted for field or laboratory blank unless otherwise noted.

Jason Dobranic, Ph.D., Laboratory Manager
or Other Approved Signatory

EMSL Analytical, Inc.
 107 Haddon Ave.
 Westmont, NJ 08106
 (856) 858-4800

370706582



MICROBIOLOGY - CHAIN OF CUSTODY

Date Collected: 9/7/07 Date Sent: 9/7/07

Contact: SCHIEDING Bill To: STC ENVIRONMENTAL
 Company:

STC ENVIRONMENTAL SERVICES
4754 RESEARCH DRIVE
SAN ANTONIO, TEXAS 78240

Phone: (210) 696-6786 Fax: (210) 696-8761

Project Name: 27418 1006 N.W. 27th

Air Samples	Wipe & Bulk Samples
<input checked="" type="checkbox"/> Mold & Fungi by Air-O-Cell Cassette (Select turn around time)	<input type="checkbox"/> Mold & Fungi - Direct Examination (Select turn-around time) Submit cellophane tape sample or bulk
<input type="checkbox"/> Mold & Fungi by Agar Plate (Count & identification)	<input type="checkbox"/> Mold & Fungi - Direct Examination - Follow up examination by culture if necessary
<input type="checkbox"/> Mold & Fungi by Agar Plate (Count Only)	<input type="checkbox"/> Mold & Fungi - Culture (ID & Count)
<input type="checkbox"/> Bacterial Count & Gram Stain	<input type="checkbox"/> Mold & Fungi - Culture (Count Only)
<input type="checkbox"/> Bacterial Count & Identification (Three most prominent types)	<input type="checkbox"/> Bacterial Count & Gram Stain
	<input type="checkbox"/> Bacterial Count & Identification (Three most prominent types)

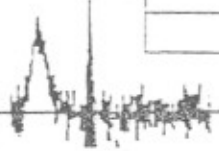
STC DP 692-07
[Signature]

RECEIVED
 WESTMONT NJ
 09/10/07

TURN AROUND TIME:
 Same Day 1 Day 2 Day 3 Day 4 Day 5 Day 6-10 Day

SAMPLE ID	LOCATION	VOLUME	COMMENTS
A-1	BEDROOM	75 L	MOLD/FUNGI
A-2	OUTSIDE	75 L	↓ ↓

Read pm-mail



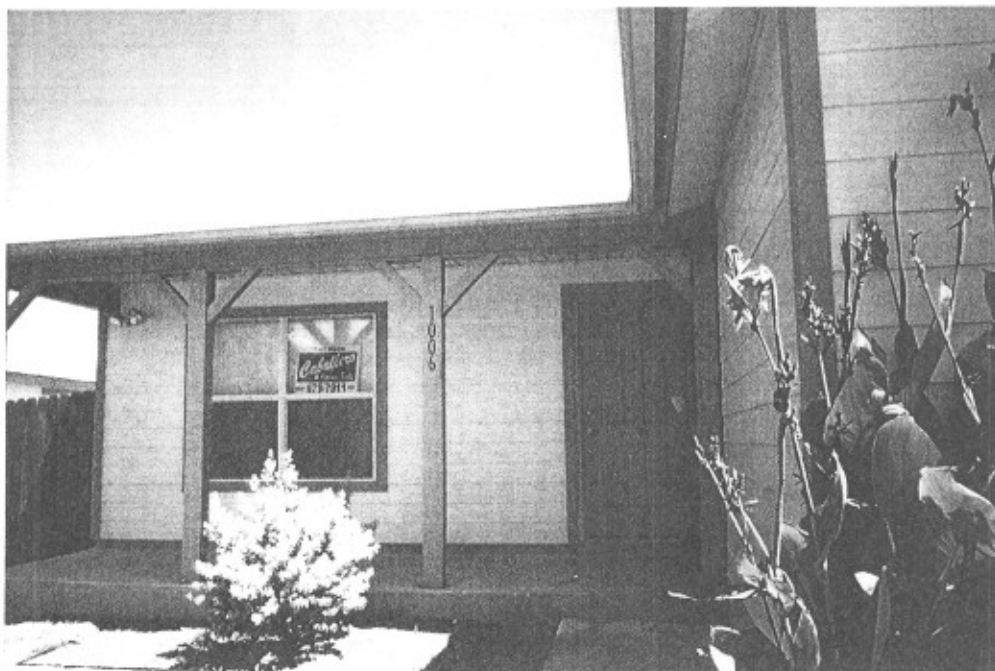


PHOTO 1: View of the front of the residence.

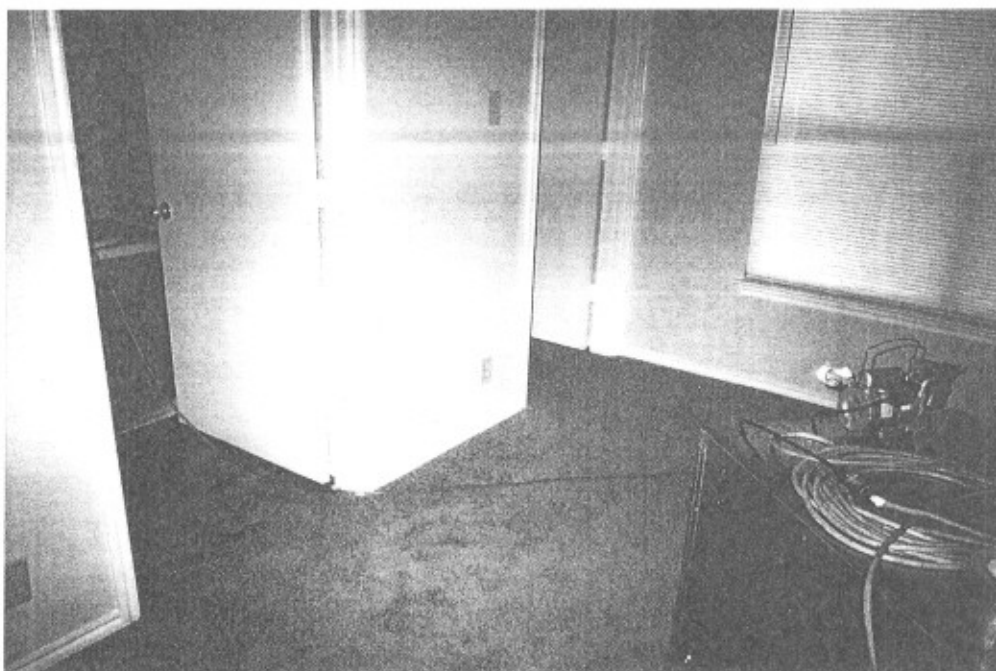


PHOTO 2: View of the bedroom, inside the containment.