



Astex Environmental Services, Inc.
123 Catalpa · San Antonio, TX 78209
Phone: (210) 828-9800 · Fax: (210) 829-4927

May 1, 2008

Mr. Lucas Oliva
Design Manager Real Estate Services
San Antonio Housing Authority
818 S. Flores
San Antonio, Texas 78204
Phone: (210) 477-6004
Email: lucas_oliva@saha.org

RE: Limited Mold Inspection, 619 Villa Linda, San Antonio, Texas
Astex Project #AES-08-J-4851

Dear Mr. Oliva,

Pursuant to your request, on April 25, 2008, Mr. Ron Greenberg of Astex Environmental Services, Inc. (AES), Texas Department of State Health Services (TDSHS) Mold Assessment Consultant MAC 0509 conducted a Limited Mold Inspection within the unoccupied home at 619 Villa Linda, San Antonio, Texas to investigate the general microbial conditions in the home prior to sale.

It should be noted that Astex inspected four residences within the same block and three outside comparison/control samples were taken in the middle of the cul-de-sac; rear of 619 Villa Linda and on the corner of Villa Linda and Villa Rosa and all three samples are shown on all reports since they are being used as control levels for all four properties.

Scope of Work

The scope of work for this limited inspection included the collection of the following samples:

- Air samples (Allergenco brand cassettes) were collected in the following locations for the analysis of Total Bioaerosols:

1. inside – at the return air intake - 1 sample
2. inside – hallway between bedrooms - 1 sample
3. inside – master bedroom – 1 sample
4. kitchen/laundry – 1 sample
5. outside comparison/control samples - 3 samples (see note above)

Note: These samples were delivered to the contract lab, Crisp Analytical Laboratories, LLC, 2081 Hutton Dr., Carrollton, Texas 75006, for analyses in accordance with the American Industrial Hygiene Association (AIHA) Environmental Microbiology Laboratory Accreditation Program (EMLAP) as well as following the Food and Drug Administration (FDA) Good Laboratory Practice Guidelines.

Visual and Moisture Inspection Results

No visible mold and/or evidence of water intrusion were observed within the house or garage and no indications of moisture within the wall materials was noted. The refrigerator however was observed to have significant mold growth in the freezer compartment and on the inside of the freezer door.

Temperature and Humidity Levels

Temperature readings within the house were from 63.6 to 65.3 degrees Fahrenheit and humidity was noted to be between 25.6 to 27.5 percent

Analytical Results

The Allergenco Air Samples were collected by Astex personnel on the morning of April 25, 2008 and were delivered to the contract lab for analysis of total bioaerosols with the results being made a part of this report. The data generated in this report is based on the samples and accompanying information provided and represents concentrations at a point in time under the conditions sampled. Keep in mind, sample values fluctuate widely and single point-in-time samples can be highly variable.

Currently, there are no government regulations or widely accepted guidelines regarding exposure limits for fungi (Time Weighted Averages, Recommended Exposure Levels, etc.) and very little data has been published on the “safe” or “normal” levels of indoor spore levels, and individuals react differently to specific spore types/levels. The generally accepted Indoor Air Quality (IAQ) industry method of interpreting analytical results is based on a comparison of the type (genus/species) and quantity of fungal spores identified within the suspect areas (inside) verses the control (i.e. no history of contamination) samples and/or outside levels.

During this limited investigation, the following observations were noted:

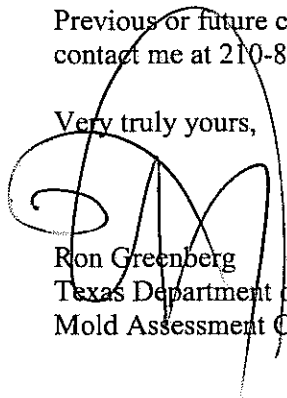
- The indoor air reported low levels of total fungal spores (288 to 1,008 count/M³) compared to outdoor air (1,296 to 1,968 count/M³) and although the distribution of spores was typical of outdoor air with *Cladosporium* being the dominant type, low levels of *Alternaria* spores were found in three of the areas with none reported in outside air.

Conclusions/Recommendations

- Although low levels of *Alternaria* (48 count/M³) were reported indoors with none reported in the outdoor air, since the outdoor levels were reported at relatively low levels of the day of the investigation and the fact that *Alternaria* is a very common mold species both indoors and outdoors no further action is warranted.

Previous or future changes in mold concentrations cannot be inferred from these sample results. Please contact me at 210-828-9800 with any questions.

Very truly yours,



Ron Greenberg
Texas Department of State Health Services (TDSHS)
Mold Assessment Consultant No. MAC 0509

Attachments: Chain of Custody
Laboratory Results

Crisp Analytical Labs, L.L.C. / C.A. Labs, L.L.C. / Crisp Analytical Labs at Houston, L.L.C.

Client: Astex Inc. Allergenic Particle Report CA Lab Project #: CAL08042917 Date: 04/28/08
 Address: 123 Catalpa San Antonio, TX 7820 Analysis: Light Microscopy identification of pollen/fungal spore per CA Labs Air-o-cell method Project name: SAHA Villa Linda Outside Samples page #1
 Attn: Ron Greenberg Sample media : Air-o-cell / Cyclex D (airborne)

Sample # Location Volume	VLIN-01 Outside By 619 Front 75		VLIN-02 Outside By 619 Rear 75		VLIN-03 Outside Villa Rosa Corner 75		Total Cnts./ m3	Per- cent
	Cnts./ m3	Per- cent	Total Cnts./ m3	Per- cent	Total Cnts./ m3	Per- cent		
Alternaria								
Ascomycetes	14	192	18	240	4	48	3.7	
Basidiomycetes	32	432	32	432	32	432	33.3	
Botrytis								
Chaetomium					4	48	3.7	
Cladosporium	97	1,296	65	864	58	768	59.3	
Curvularia	4	48	2.4					
Drechslera/Bipolaris								
Epicoccum					11	144	8.3	
Oidium/Pero								
Nigrospora					4	48	2.8	
Penicillium/Asp								
Periconia/Myx								
Pithomyces								
Pseudo/Cercospora								
Rust								
Smut								
Stachybotrys								
Pollen	4	48			4	48		
Hyphae	4	48	4	48	4	48		
Particulate	4	48			4	48		
Total	148	1,968	130	1,728	97	1,296		
Cnts./ m3								
Per- cent								

Crisp Analytical Labs, L.L.C. 2081 Hutton , Suite 301 Carrollton, TX 75006
 Dallas Baton Rouge Houston
 Analyst - Leslie Crisp Technical Manager - Chad Lytle

**INDOOR AIR QUALITY
ALLERGENIC PARTICLE
LABORATORY ANALYSIS REPORT**

Astex Inc.
123 Catalpa
San Antonio, TX 78209
phone: 210-828-9800
fax: 210-829-4927
reference number: CAL08042917

PO #:
Turnaround Time: 24 Hours
Received: 04/28/08 8:30 am

LABORATORY ANALYSIS METHOD:

Summary of light microscopy analysis of allergenic particles in tape or air cassettes. Tape lift samples indicate presence or absence and identification of known allergenic particles. Air cassettes can be quantified in airborne concentrations (total counts/m³). Pollen and fungus type qualifications are based on keys and reference standards for known allergenic types. Sample analysis is performed by professionally trained individuals. This test report relates only to items tested. This report does not imply endorsement by any US Government agency. This report may not be reproduced except in full, without written permission from CA Labs. CA Labs - Dallas is accredited by AIHA for viable fungi analysis.

These results are submitted pursuant to CA Labs' current terms and condition of sale, including the company's standard warranty and limitation of liability provisions and no responsibility or liability is assumed for the manner in which the results are used or interpreted. If there are concerns about health aspects of known allergens, consult a physician. Pollen and spore types identified are all naturally occurring and may grow anywhere in a natural environment where water is present. While it is normal for fungi to be present inside buildings from outside sources, growth occurs in humid conditions. Fungi cannot spread from building to building, as it is always present, but may not be growing. To control allergens in an area, drying and use of HEPA filters are recommended. Bias is present in all types of spore trap cassettes by particle size, capture, spread and counting procedure used. Quantification is susceptible to variance of 100% and standard deviation to 200%. Unless notified in writing to return samples covered by this report, CA Labs will store the samples for thirty (30) days before discarding. A shipping and handling fee may be assessed for the return of any samples. This method is not covered by the scope of NVLAP or AIHA accreditation.

This report is intended for the recipient only. Please notify us if you have received this document in error
(we will advise you to destroy or return this document.)

Analysis performed at Crisp Analytical Labs, L.L.C. 2081 Hutton Dr. Suite 301
Carrollton, TX 75006; phone (972)488-1414, fax (972)488-8006, after-hours
mobile (214)564-8366.

Crisp Analytical Labs, L.L.C. / C.A. Labs, L.L.C. / Crisp Analytical Labs at Houston, L.L.C.

Client: Astex Inc. Allergenic Particle Report CA Lab Project #: CAL08042913 Date: 04/28/08
 Address: 123 Catalpa San Antonio, TX 7820 Analysis: Light Microscopy identification of pollen/fungal spore per CA Labs Air-o-cell method Project name: 619 Villa Linda AES-08-J-4851 page #1
 Attn: Ron Greenberg Sample media : Air-o-cell / Cyclex D (airborne)

Sample # Location Volume	4851-11 Inside By Return 75		4851-12 Inside M. Bedroom 75		4851-13 Inside Hall by BR1/BR2 75		4851-14 Inside Garage 75		Total Cnts. m3	Per- cent	Total Cnts. m3	Per- cent
	Cnts./ m3	Per- cent	Total Cnts.	Per- cent	Total Cnts.	Per- cent	Total Cnts.	Per- cent				
Alternaria	4	48	4	48	4	48	4	48	10.0			
Ascomycetes	4	48	4	48	4	48	4	48	10.0	7	96	9.5
Basidiomycetes	4	48										
Botrytis												
Chaetomium												
Cladosporium	13	171	11	144	22	288	68	912	90.5			
Curvularia					4	48						
Dreschlera/Bipolaris												
Epicoccum												
Oidium/Pero												
Nigrospora					4	48			10.0			
Penicillium/Asp												
Periconia/Myx			4	48								
Pithomyces												
Pseudo/Cercospora												
Rust												
Smut												
Stachybotrys												
Pollen										4	48	
Hyphae												
Particulate												
	24	315	22	288	36	480	76	1,008				
	Total Cnts. m3	Cnts./ m3	Total Cnts.	Per- cent	Total Cnts.	Per- cent	Total Cnts.	Per- cent	Total Cnts.	Per- cent	Total Cnts. m3	Per- cent

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Dallas Baton Rouge

Houston

Analyst - Leslie Crisp

Technical Manager - Chad Lytle

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