ASTEX
ENVIRONMENTAL SERVICES

Astex Environmental Services, Inc.
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March 10, 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, 1603 NW 26th St., San Antonio, Texas
Astex Project #AES-08-J- 4751

Pursuant to your request, on March 5, 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 vacant home at 1603 NW 26rg St, San Antonio, Texas to investigate the general microbial conditions in the home.

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 - 2 samples

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 were noted. The residence was already in "move in" condition at the time of the inspection.

Temperature and Humidity Levels

Temperature readings within the house were from 62.4 to 68.9 degrees Fahrenheit and humidity was noted to be between 29.9 to 33.5 percent

Analytical Results

The Allergenco air samples were collected by Astex personnel on the morning of March 5, 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 regulations, federal or state, establishing action limits for mold spores and mold particulates in indoor air. Also, there are no species of molds identified to be hazards to public health. Current practice is to compare interior to exterior samples, noting the species present and the contrasting levels of spores and particle.

Allergenco (air):

- Moderate levels of Total Bioaerosols (4,080 to 4,752 count/M^3) were identified in the four interior samples as compared with the outside control samples (3,696 and 6,240 count/M^3) and all three samples contained generally the same qualitative mix of fungi with *Cladosporium* being the most dominant.

- No *Stachybotrys* spores and only very low levels of *Aspergillius/Penicillium*-like spores were identified within the indoor air.

Conclusions/Recommendations

- **Fungal spore counts were below the outside levels on the day of sampling and the distribution of spores was typical of the outdoor air therefore no further action is indicated.**

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 and Laboratory Results

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: CAL08031508

PO #:
Turnaround Time: 24 Hours
Received: 3/6/08 8:30am

LABORATORY ANALYSIS METHOD:

Summary of light microscopy analysis of alllergenic 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 allergenics 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 pursant 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 fo 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.

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 #: CAL08031508 Date: 3/6/08 EK

Address: 123 Catalpa Project name: 1603 NW 26th St. / AES-08-J-4751

San Antonio, TX 78209 Analysis: Light Microscopy identificaton of pollen/fungal spore per CA Labs Air-o-cell method

Attn: Ron Greenberg Sample media : Air-o-cell / Cyclex D (airborne)

Sample #	4751-04			4751-05			4751-I21			4751-I22			4751-I23			4751-I24		
Location	Outside Front			Outside Rear			Inside Return			Inside Hall			Inside M Bathroom			Inside Kitchen		
Volume	75			75			75			75			75			75		
Alternaria				7	96	1.5	22	288	6.1	32	432	7.3	7	96	2.4	47	624	11.1
Ascomycetes	7	96	2.6	43	576	9.2	7	96	2.0	25	336	5.8	22	288	7.1	25	336	6.0
Basidiomycetes	14	192	5.2	29	384	6.2	4	48	1.0	7	96	1.6	4	48	1.2	4	48	0.9
Botrytis																		
Chaetomium																		
Cladosporium	245	3,264	88.3	346	4,608	73.8	310	4,128	86.9	342	4,560	76.6	263	3,504	85.9	284	3,792	67.5
Curvularia				4	48	0.8	4	48	1.0	14	192	3.2				7	96	1.7
Dreschslera/Bipolaris				4	48	0.8	7	96	2.0	11	144	2.4	4	48	1.2	7	96	1.7
Epicoccum	7	96	2.6	4	48	0.8	4	48	1.0							7	96	1.7
Oidium/Pero																		
Nigrospora	4	48	1.3	7	96	1.5				4	48	0.8	7	96	2.4	11	144	2.6
Penicillium/Asp				25	336	5.4										29	384	6.8
Periconia/Myx																		
Pithomyces										11	144	2.4						
Pseudo/Cercospora																		
Rust																		
Smut																		
Stachybotrys																		
Pollen				4	48													
Hyphae	7	96		7	96		7	96		7	96		4	48		11	144	
Particulate	4	48		4	48		4	48		4	48		4	48		4	48	
	277	3,696		468	6,240		356	4,752		446	5,952		306	4,080		421	5,616	
	Total Cnts.	Cnts./ m3	Per-cent	Total Cnts.	Cnts./ m3	Per-cent	Total Cnts.	Cnts./ m3	Per-cent	Total Cnts.	Cnts./ m3	Per-cent	Total Cnts.	Cnts./ m3	Per-cent	Total Cnts.	Cnts./ m3	Per-cent

Analyst - Chad Lytle

General Manager - Leslie Crisp