



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

March 27, 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: Mold Clearance Sampling, 1515 NW 26th St, San Antonio, Texas
Astex Project #AES-08-J-4778

Dear Mr. Oliva,

Pursuant to your request, on March 17, 2008, Mr. Ron Greenberg of Astex Environmental Services, Inc. (AES), Texas Department of State Health Services (TDSHS) Mold Assessment Consultant MAC 0509 conducted a Mold Clearance Inspection within the residence located at 1515 NW 26th St, San Antonio, Texas to investigate the microbial conditions within the home after mold abatement activities.

Scope of Work

The scope of work for this mold clearance 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 – containment bedroom - 1 sample
 2. inside – at HVAC return / hallway - 1 sample
 3. outside - comparison/control samples - 2 sample

Note: These samples were delivered to the contract lab, Crisp Analytical Laboratories, 2081 Hutton Dr, Suite 301, Carrollton, Texas, 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

The containment area was observed to be visually clean and free of mold and/or evidence of new or additional water intrusion. Additionally there were no indications of moisture within the wall materials and windowsills were inspected and no signs of water staining were noted.

Temperature and Humidity Levels

Temperature readings within the house ranged from 74.3 to 75.9 degrees Fahrenheit and humidity was noted to be between 34.6 to 39.3 percent

Analytical Results

The Allergenco Air Samples were collected by Astex personnel on the morning of March 17, 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.

During this limited investigation, the following observations were noted:

Fungal Spores (Allergenco):

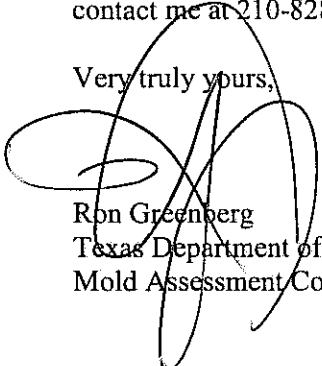
- Outdoor air had typical levels of total fungal spores, dominated by *Cladosporium* and moderate levels of *Aspergillus/Penicillium*-like spores.
- Indoor air in general had very low levels of total fungal spores (1968 to 2,352 count/M³) compared to outdoor air (4,512 to 11,040 count/M³) and the distribution of spores was typical of the outdoor air with *Cladosporium* being the dominant type and only low levels of *Aspergillus/Penicillium*-like spores were identified indoors.

Conclusions/Recommendations

Since the total spore counts were well below the outside samples and the fact that only low levels of *Aspergillus/Penicillium*-like spores and no (0) *Stachybotrys* spores were detected, it was determined that the sampling event met the established clearance criteria and the space was deemed clean and safe for re-occupancy for occupants or tradesmen conducting renovation activities.

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 #: CAL08031917 Date: 03/20/08
 Address: 123 Catalpa San Antonio, TX 7820 Analysis: Light Microscopy identification of pollen/fungal spore per CA Labs Air-o-cell method Project name: 1515 NW 26th St. AES-08-J-4778 page #1
 Attn: Ron Greenberg Sample media : Air-o-cell / Cyclex D (airborne)

| Sample # Location Volume | 4778-01 Outside Front 75 | | | 4778-02 Outside Rear 75 | | | 4778-11 Inside HVAC Ret 75 | | | 4778-12 Inside Impacted BR 75 | | |
|--------------------------------|--------------------------------|----------------------|------------------------|-------------------------------|----------------------|------------------------|----------------------------------|----------------------|------------------------|-------------------------------------|----------------------|------------------------|
| | Cnts./ m3 | Per- cent | Total Cnts. | Cnts./ m3 | Per- cent | Total Cnts. | Cnts./ m3 | Per- cent | Total Cnts. | Cnts./ m3 | Per- cent | Total Cnts. |
| Alternaria | 7 | 96 | 2.1 | 40 | 528 | 4.8 | | | 7 | 96 | 4.1 | |
| Ascomycetes | 18 | 240 | 5.3 | 25 | 336 | 3.0 | 7 | 96 | 4.9 | 48 | 2.0 | |
| Basidiomycetes | 14 | 192 | 4.3 | 25 | 336 | 3.0 | | | | | | |
| Botrytis | | | | | | | | | | | | |
| Chaetomium | | | | | | | | | | | | |
| Cladosporium | 256 | 3,408 | 75.5 | 652 | 8,688 | 78.7 | 122 | 1,632 | 82.9 | 140 | 1,872 | 79.6 |
| Curvularia | | | | 7 | 96 | 0.9 | 4 | 48 | 2.4 | 4 | 48 | 2.0 |
| Drechslera/Bipolaris | 7 | 96 | 2.1 | | | | | | | | | |
| Epicoccum | 11 | 144 | 3.2 | 11 | 144 | 1.3 | | | | | | |
| Oidium/Pero | | | | | | | | | | | | |
| Nigrospora | 7 | 96 | 2.1 | 18 | 240 | 2.2 | 4 | 48 | 2.4 | 4 | 48 | 2.0 |
| Penicillium/Asp | 11 | 144 | 3.2 | 43 | 576 | 5.2 | 11 | 144 | 7.3 | 14 | 192 | 8.2 |
| Periconia/Myx | | | | | | | | | | | | |
| Pithomyces | 7 | 96 | 2.1 | 7 | 96 | 0.9 | | | | 4 | 48 | 2.0 |
| Pseudo/Cercospora | | | | | | | | | | | | |
| Rust | | | | | | | | | | | | |
| Smut | | | | | | | | | | | | |
| Stachybotrys | | | | | | | | | | | | |
| Pollen | 7 | 96 | | 18 | 240 | | | | | | | |
| Hyphae | 7 | 96 | | 7 | 96 | | 4 | 48 | | 7 | 96 | |
| Particulate | 4 | 48 | | 4 | 48 | | 4 | 48 | | 4 | 48 | |
| | 338 | 4,512 | | 820 | 11,040 | | 141 | 1,968 | | 176 | 2,352 | |
| Total | Cnts./ m3 | Per- cent | Total Cnts. | Cnts./ m3 | Per- cent | Total Cnts. | Cnts./ m3 | Per- cent | Total Cnts. | Cnts./ m3 | Per- cent | Total Cnts. |

Crisp Analytical Labs, L.L.C. 2081 Hutton , Suite 301 Carrollton, TX 75006
 Dallas Baton Rouge Houston

Analyst - Chad Lytle
 General Manager - Leslie Crisp

**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: CAL08031917

PO #:
Turnaround Time: 24 Hours
Received: 03/20/08 8:00 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 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.

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.

1515

CA Labs

Crisp Analytical Laboratories, LLC.
2081 Hutton Dr.
Suite 301
Carrollton, TX 75006

Phone: 972-488-1414
Fax: 972-488-8006
After hours Mobile: 469-233-5282

| | | | |
|--------------|-----------|---------------|-----|
| Client Name: | ASTEX INC | CA Labs Job # | CAL |
|--------------|-----------|---------------|-----|

| | | | |
|-----------------|-------------------------------------|------------------------------------|------|
| Client Address: | 123 CATALPA SAN ANTONIO TX 78209 | Billing Address: (if different) | SAME |
|-----------------|-------------------------------------|------------------------------------|------|

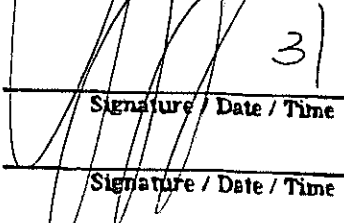
| | | | |
|---------------|----------------|---------------|------------------|
| phone number: | (210) 828 9800 | Project Name: | 1515 NW 24th St. |
|---------------|----------------|---------------|------------------|

| | | | |
|-------------|----------------|-----------------|---------------|
| fax number: | (210) 829 4927 | Project Number: | AES-08-J-4778 |
|-------------|----------------|-----------------|---------------|

EMAIL Send Reports to: RONG@ASTEXINC.COM

| Sample Number: | Sample Location: | Sample Date/Time: | Sample Volume (L) |
|-----------------------|-------------------|-------------------|---------------------|
| 4778-01 | OUTSIDE FRONT | 3/17/08 1:30P | 0.25 m ³ |
| 4778-02 | REAR | | |
| 4778-I1 | INSIDE - HVAC RET | | |
| 4778-I2 | IMPACTED BR | | |
| XXXXXXXXXX | | | |
| XXXXXXXXXX | | | |
| 24 HR | | | |

For internal use:
Any initial changes regarding project (indicate yes by checking line)

| | | | |
|-----------------------|---|---------|-------------------------|
| Custody Information: | | | |
| Samples relinquished: |  | 3/19/08 | Samples received: |
| Samples relinquished: | Signature / Date / Time | | Signature / Date / Time |
| Samples relinquished: | Signature / Date / Time | | Signature / Date / Time |