Safe Aire Technology

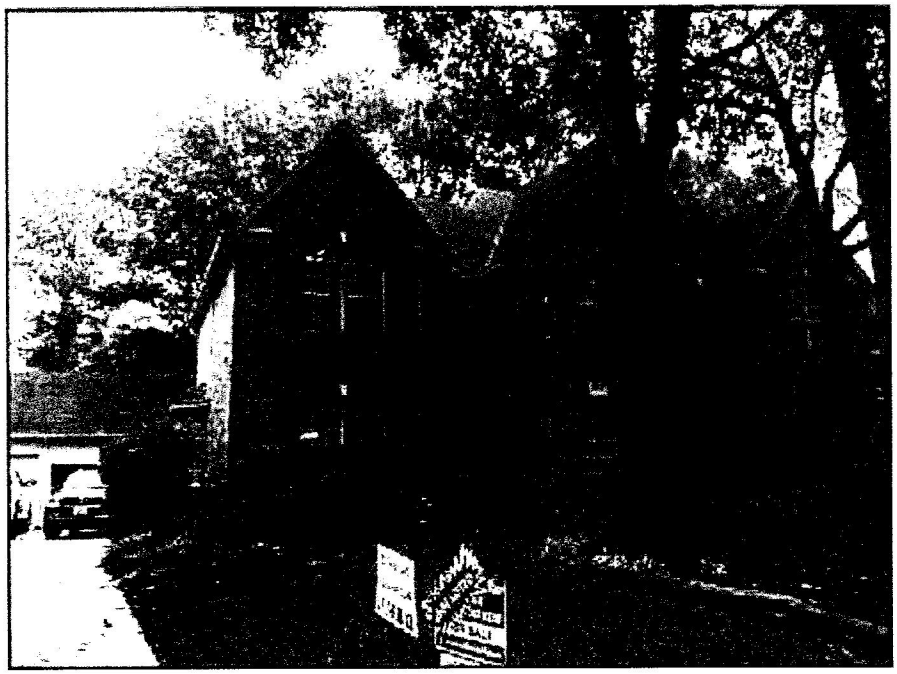
Limited Microbial & IAQ Analysis

For the Property Located At:

2710 Evergreen Cliff Trail,
Kingwood, TX 77345
08/17/2020

Report Prepared For:

Marc Flach



6207 Fieldwood Lane, Conroe, Tx77304 Ph: 936-441-0016 Fax: 281-966-1780
Website: www.houstonstuccoinspections@gmail.com Email: stuccospec@consolidated.net

Marc Flach
2710 Evergreen Cliff
Trail, Kingwood, TX
77345 -08-17-2020

Executive Summary

Dear Marc,

Safe Aire Technology visited the above referenced property of 2710 Evergreen Cliff Trail, Kingwood, TX. The purpose of this Fungi Contamination/IAQ Investigation was 1.) to identify the condition(s) which could facilitate fungal (mold) amplification (growth) in the residence, 2.) to characterize the extent, if any, of fungal contamination of the residence, and 3.) to provide a general characterization of the indoor air quality of the residence. To this end, Safe Aire Technology performed a limited visual inspection with sampling of the Outside, Kitchen, Entertainment Room, Study and collected pertinent data information. This Limited Fungi Contamination/IAQ Assessment Report includes the findings and recommendations resulting from the Limited Fungi Contamination/IAQ Investigation conducted on this date. Four (4) air samples were taken and submitted for laboratory analysis. No exposure limits or standards have been established relating to fungal organisms or fungal contamination in residential settings. However, this investigation was conducted in accordance with current industry guidelines and practices. This assessment is not a certificate, assurance, warranty or guarantee of future conditions or performance, but is an evaluation of the conditions, which were present and detected on the date above. This inspection was limited to the leaked area on the third floor.

Air-O-Cell Sampling Results

Although air sampling has its limitations, it can be a useful tool in determining the extent of airborne fungal spores and whether or not hidden reservoirs of fungal growth are resulting in high concentrations of airborne fungal spores in the indoor environment. To conduct such air sampling, samples are collected from outdoors, the suspect area(s) and a non-complaint area(s) for purposes of comparison. The air samples were collected at a rate of 15 Liters per minute for 5 minutes, or a Total Volume per sample of 75 Liters.

Every residential structure, public and private building, has some fungi, spores and mycelial fragments, in it; however, it is generally accepted that the type (genus) of fungi found indoors should be similar to that found outdoors. The total Fungal Spores and Particulate Analysis report demonstrates that the total indoor airborne countable fungal spore levels found in the rooms sampled were lower than the outside levels. No significant elevated mold spores were found during the course of this inspection. (See complete laboratory report.)

Background Information/Suggestions/Repair Information:

- All a/c vents are clean. See Detail #7.1 to #7.6
- Always maintain cleanliness at HVAC equipment. See Detail #8.1 to #8.6

EMSL Analytical, Inc.
5950 Fairbanks N. Houston Rd. Houston, TX 77040
Tel/Fax: (713) 686-3635 / (713) 686-3645
http://www.EMSL.com / houstonlab@emsl.com

EMSL Order: 152005189
Customer ID: SAFE30
Customer PO:
Project ID:

Attention: Beth Harbison
Safe Aire Technology
6207 Fieldwood Lane
Conroe, TX 77304

Phone: (936) 441-0016
Fax: (281) 966-1780
Collected Date: 08/17/2020
Received Date: 08/18/2020 10:35 AM
Analyzed Date: 08/18/2020

Project: 2710 Evergreen Cliff Trail, Kingwood, TX 77345

Test Report:Air-O-Cell(™) Analysis of Fungal Spores & Particulates by Optical Microscopy (Methods MICRO-SOP-201, ASTM D7391)

Lab Sample Number:	152005189-0001			152005189-0002			152005189-0003		
Client Sample ID:	1-2439			2-2371			3-2360		
Volume (L):	75			75			75		
Sample Location:	Outside			Kitchen			Entertainment Room		
Spore Types	**Raw Count**	**Count/M³**	**% of Total**	**Raw Count**	**Count/M³**	**% of Total**	**Raw Count**	**Count/M³**	**% of Total**
Alternaria (Ulocladium)	1	40	0.1	-	-	-	-	-	-
Ascospores	209	9240	12.6	6	300	15.8	7	300	24.4
Aspergillus/Penicillium	11	490	0.7	-	-	-	2	90	7.3
Basidiospores	1430	63200	85.9	34	1500	78.9	15	660	53.7
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium	1*	10*	0	-	-	-	-	-	-
Cladosporium	8	400	0.5	3	100	5.3	1	40	3.3
Curvularia	2*	30*	0	-	-	-	2	90	7.3
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium	-	-	-	-	-	-	-	-	-
Ganoderma	2	90	0.1	-	-	-	-	-	-
Myxomycetes++	1	40	0.1	-	-	-	1*	10*	0.8
Pithomyces++	-	-	-	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Cercospora++	1*	10*	0	-	-	-	1	40	3.3
Nigrospora	1*	10*	0	-	-	-	-	-	-
Pyricularia	1	40	0.1	-	-	-	-	-	-
Total Fungi	**1668**	**73600**	**100**	**43**	**1900**	**100**	**29**	**1230**	**100**
Hyphal Fragment	1*	10*	-	2	90	-	3	100	-
Insect Fragment	-	-	-	1*	10*	-	1	40	-
Pollen	-	-	-	-	-	-	-	-	-
Analyt. Sensitivity 600x	-	44	-	-	44	-	-	44	-
Analyt. Sensitivity 300x	-	13*	-	-	13*	-	-	13*	-
Skin Fragments (1-4)	-	1	-	-	2	-	-	2	-
Fibrous Particulate (1-4)	-	1	-	-	2	-	-	2	-
Background (1-5)	-	3	-	-	3	-	-	3	-

how # inside compated to Outside

cont. over

cont. over

++ Includes other spores with similar morphology; see EMSL's fungal glossary for each specific category.

Terri Lawrence

Terri Lawrence, Laboratory Manager
or other Approved Signatory

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

Initial report from: 08/18/2020 04:51 PM

For information on the fungi listed in this report, please visit the Resources section at www.emsl.com

Printed: 08/18/2020 04:51 PM

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Test Report:Air-O-Cell(™) Analysis of Fungal Spores & Particulates by Optical Microscopy (Methods MICRO-SOP-201, ASTM D7391)

Lab Sample Number:	**152005189-0004**		
Client Sample ID:	**4-2452**		
Volume (L):	**75**		
Sample Location:	**Study**		
Spore Types	**Raw Count**	**Count/M³**	**% of Total**
Alternaria (Ulocladium)	-	-	-
Ascospores	10	440	31.2
Aspergillus/Penicillium	-	-	-
Basidiospores	21	930	66
Bipolaris++	-	-	-
Chaetomium	-	-	-
Cladosporium	1	40	2.8
Curvularia	-	-	-
Epicoccum	-	-	-
Fusarium	-	-	-
Ganoderma	-	-	-
Myxomycetes++	-	-	-
Pithomyces++	-	-	-
Rust	-	-	-
Scopulariopsis/Microascus	-	-	-
Stachybotrys/Memnoniella	-	-	-
Unidentifiable Spores	-	-	-
Zygomycetes	-	-	-
Cercospora++	-	-	-
Nigrospora	-	-	-
Pyricularia	-	-	-
Total Fungi	**32**	**1410**	**100**
Hyphal Fragment	1	40	-
Insect Fragment	2	90	-
Pollen	-	-	-
Analyt. Sensitivity 600x	-	44	-
Analyt. Sensitivity 300x	-	13*	-
Skin Fragments (1-4)	-	1	-
Fibrous Particulate (1-4)	-	1	-
Background (1-5)	-	3	-

cont

cont.

nice low # compated to outside

73,600

++ Includes other spores with similar morphology; see EMSL's fungal glossary for each specific category.

Terri Lawrence

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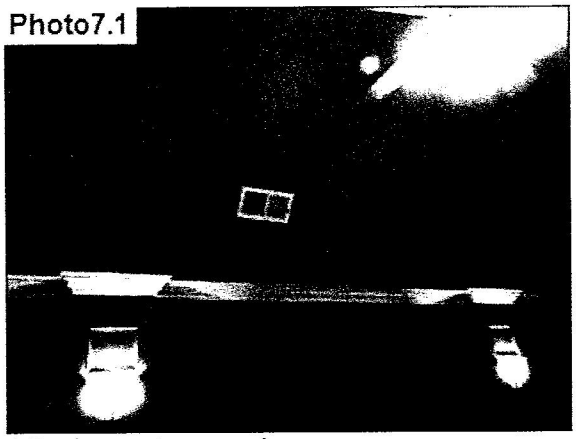
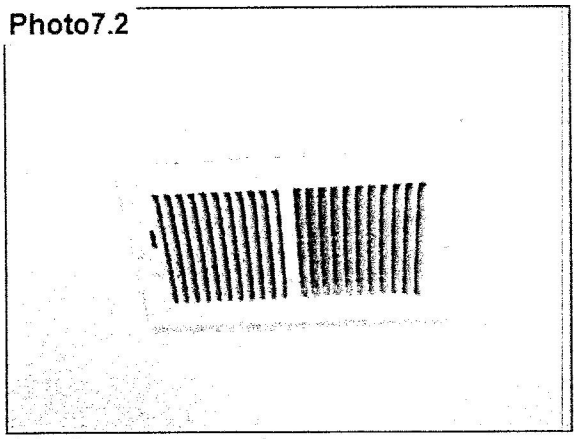
Photo7.1



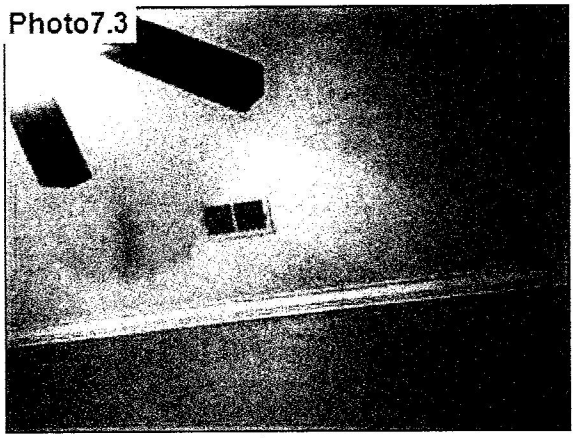
All a/c vents are clean

Photo7.2



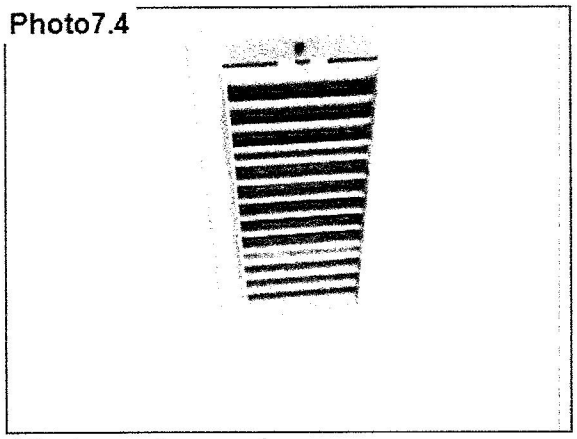
All a/c vents are clean

Photo7.3



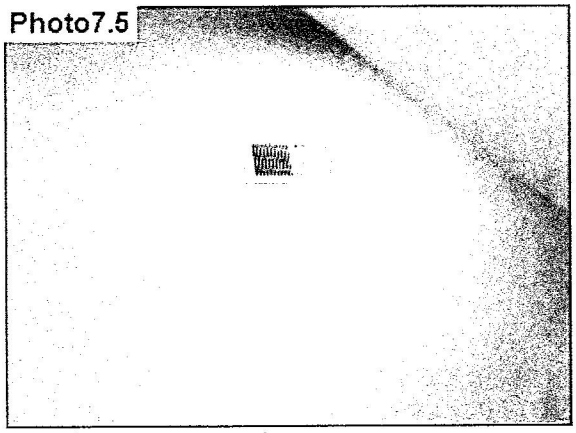
All a/c vents are clean

Photo7.4



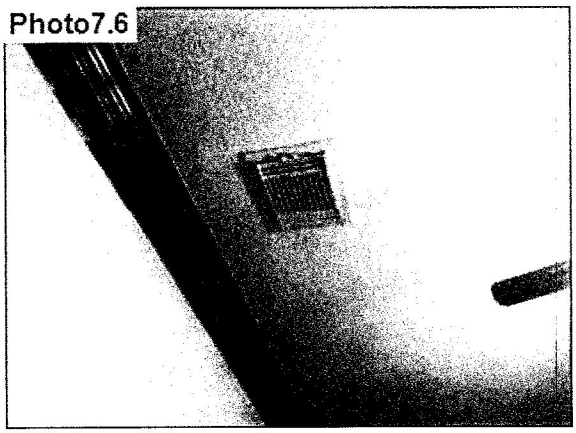
All a/c vents are clean

Photo7.5



All a/c vents are clean

Photo7.6

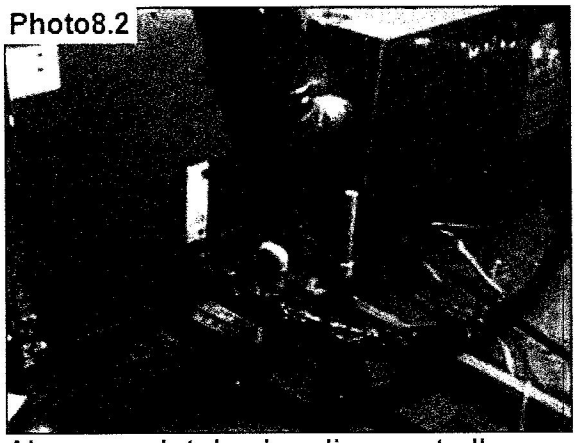


All a/c vents are clean

Photo8.1

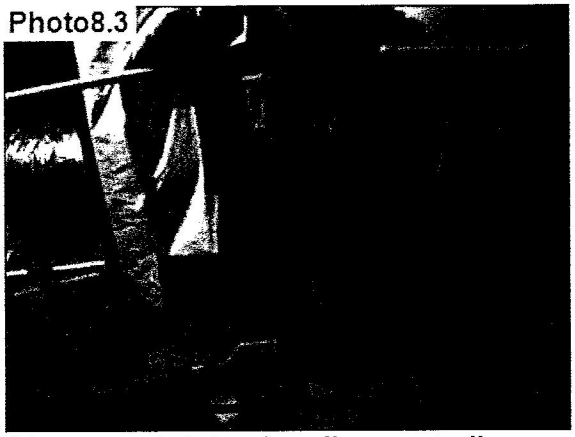
Always maintain cleanliness at HVAC equipment.

Photo8.2



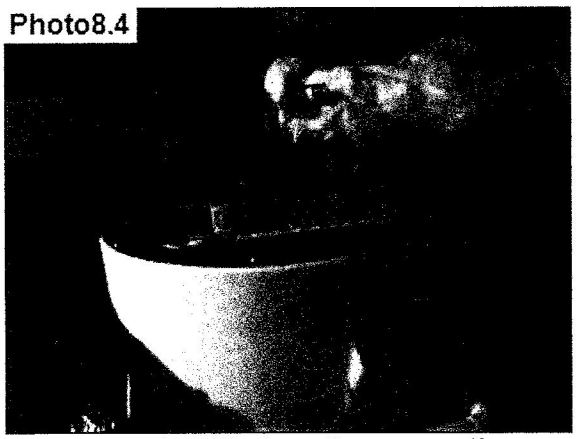
Always maintain cleanliness at all HVAC equipment.

Photo8.3



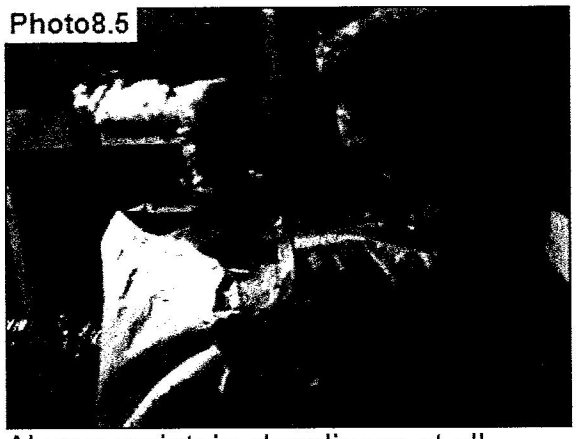
Always maintain cleanliness at all HVAC and hot water heater equipment.

Photo8.4



Always maintain cleanliness at all HVAC and hot water heater equipment.

Photo8.5



Always maintain cleanliness at all HVAC and hot water heater equipment.

Photo8.6

Always maintain cleanliness at all HVAC and hot water heater equipment.