MARSHALL ENVIRONMENTAL MANAGEMENT, INC.

ESTABLISHED IN 1987
Certified Industrial Hygiene
Asbestos & Lead-Based Paint
Environmental Science
Indoor Air Quality
Occupational Health & Safety
Research & Consultation
Training & Education

April 2, 2021

BOKF, NA as Trustee of the Robert W. Emanuel & Byrdie L. Emanuel Rev. Trust
Attention: Garet Thompson, Specialty Asset Manager II
PO Box 24128
Oklahoma City, OK 73124

RE: EMANUEL TRUST | POST-FUNGAL REMEDIATION CLEARANCE MONITORING

Dear Mr. Thompson:

On October 1, 2020, Marshall Environmental Management, Inc (MEM) conducted a Fungal Assessment of the residence located at 3523 Knoxville Avenue E in Tulsa, Oklahoma. As part of the initial assessment, fungal contamination was identified on the surface of various building components and contents throughout the residence. Conclusions stated an airborne fungal amplification was present, and the potential disturbance of the building contents would likely further negatively impact the indoor air quality and could potentially cause an exposure to anyone who enters the house. To remedy the aforementioned issues, content removal and remediation activities (i.e., removing, cleaning and/or sanitizing fungi-contaminated surfaces and building-materials utilizing particulate-suppression methodology) took place between March 15-19, 2021 and were carried out under the direction of MEM.

Upon completion of the remediation activities, associated with the content removal and surface fungal cleaning of building components throughout the residence, MEM performed a visual inspection to confirm that all visual fungal contamination was remediated. Following the visual inspection, High Efficiency Particulate Air-filtration (HEPA) units were utilized to recirculate and filter (i.e., air scrub) the environment where remediation activities took place. The air-scrubbing took place for a period of 56-hours. Following the air-scrubbing period, clearance air-monitoring was performed to confirm that the remediation activities were carried out in a manner that did not impact the indoor environment. Clearance samples, analyzed for total-airborne fungi, were collected March 22, 2021 in the areas where remediation activities took place. In addition to this, reference samples were collected in the ambient (outdoor) environment for comparison purposes.

Currently, there is no state or federal standard establishing a safe or unsafe exposure level to mold. As a guideline, the American Conference of Governmental Industrial Hygienists[1] (ACGIH) recommend using knowledge, experience, expert opinion, logic and common sense to interpret sample results and make remediation recommendations. Acceptable clearance results are based on the professional judgement of the Certified Industrial Hygienist (CIH); comparisons to the analytical data associated with the initial sampling event; as well as comparisons to similar settings and/or scenarios.

As such, it is the opinion of the CIH that the airborne fungi concentrations, resulting from this clearance monitoring event, meet an acceptable clearance criterion. Specifically, the total airborne fungal concentrations detected were below the initial assessment and ambient concentrations, utilized for comparison. The conclusions presented in this report are based on the interpretation of the analytical data, and the analytical data is believed to reflect the condition of the air resulting from the sampling events. The remediation activities were accomplished by AAS Environmental, LLC and under the direct supervision

[1] *ACGIH: http://www.acgih.org*

of MEM. All services were performed in accordance with *Good Industrial Hygiene Practices* and under the direction of Jamie Marshall, CIH and President of MEM.

Thank you for allowing Marshall Environmental Management, Incorporated the opportunity to be of service.

Sincerely,
Marshall Environmental Management, Incorporated

Rachel Butler, MS, CIH
Industrial Hygienist, Marshall Environmental Management, Incorporated
American Board of Industrial Hygiene Comprehensive Practice of Industrial Hygiene Certification #: 10987

Attachments: Laboratory Chain of Custody, Analytical Results, and Indoor Air-Quality Indicator Data

MARSHALL ENVIRONMENTAL MANAGEMENT, INC.
1301 N MARTIN LUTHER KING AVENUE
OKLAHOMA CITY, OK 73117
405.616.0401 | FAX: 405.681.6753 | MEM@marshallenvironmental.com
www.marshallenvironmental.com

CHAIN OF CUSTODY

PROJECT INFORMATION		CONTACT INFORMATION	
PROJECT ID. NO.	0052-IAQ-031521-RB	COMPANY	BOKF, NA
PROJECT NAME	Emanuel Trust	ATTENTION	Garet Thompson
ADDRESS	3523 S. Knoxville Ave. E	ADDRESS	PO Box 24128
CITY| STATE| ZIP	Tulsa, OK 74135	CITY| STATE| ZIP	OKC, OK 73124
CONTACT	Garet Thompson	PHONE NUMBER	918-779-6621
PHONE NUMBER	918-779-6621	ALTERNATE NO.	
EMAIL ADDRESS	garet.thompson@bokf.com	EMAIL ADDRESS	garet.thompson@bokf.com

SAMPLE TURN-AROUND-TIME

	STANDARD (5-7 business)		NEXT DAY		SAME DAY
		X			

SAMPLE MATRIX / MEDIA

MP MOLD PLATE | ST SPORE TRAP | TL TAPE LIFT | B BULK | O OTHER_____

SAMPLE IDENTIFICATION NUMBER LAB ID.	DATE COLLECTED	MATRIX/MEDIA	FIELD ID.	SAMPLE LOCATION / DESCRIPTION	TIME / UNITS / CONDITION	FUNGI: TOTAL-AIRBORNE FUNGI (ENUMERATION & GENUS ID)	FUNGI: CULTURABLE AIRBORNE FUNGI (ENUMERATION & GENUS ID)	FUNGI: TOTAL-SURFACE FUNGI (SEMI-QUANTITATIVE ENUMERATION & GENUS ID)	ASBESTOS: AIRBORNE FIBER COUNT (NIOSH 7400)	ASBESTOS: BULK MATERIAL (EPA METHOD 600/R-93-116)	OTHER
0013	3/22/21	ST	01	Master Bedroom (East)	75L	X					
↓	↓	↓	02	Living / Dining Room	↓	↓					
↓	↓	↓	03	Ambient (Reference)	↓	↓					

COLLECTED BY	[signature]	DATE	3/22/21	RELINQUISHED BY	[signature]
		TIME	1700		DATE 3/22/21
RECEIVED BY IN LABORATORY	[signature]	DATE	03/22/21		TIME 1510
		TIME	1500	LABORATORY NOTES	acceptable

FIELD NOTES: N/A

METHOD OF SHIPMENT: Hand

PAGE NUMBER 1 OF 1

MARSHALL ENVIRONMENTAL MANAGEMENT, INC.

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OKLAHOMA CITY, OK 73117
405.616.0401 | FAX: 405.681.6753 | MEM@marshallenvironmental.com
www.marshallenvironmental.com

Total Airborne Fungi Analysis

PROJECT INFORMATION		CONTACT INFORMATION	
PROJECT ID. NO.	0052-IAQ-031521-RB	COMPANY	BOKF
PROJECT NAME	Emanuel Trust	ATTENTION	Garet Thompson
SITE CONTACT	Garet Thompson	PHONE NO.	918.779.6621
PHONE NO.	918.779.6621	ALTERNATE NO.	
EMAIL ADDRESS	garet.thompson@bokf.com	EMAIL ADDRESS	garet.thompson@bokf.com

LAB LOG NUMBER	0013-032221-ST-01		0013-032221-ST-02		0013-032221-ST-03									
TOTAL VOLUME (L)	75		75		75									
FUNGAL SPORES	COUNT	COUNT/m^3	COUNT	COUNT/m^3	COUNT	COUNT/m^3								
Alternaria														
Arthrinium														
Ascospores					2	27								
Basidiospores					6	80								
Bipolaris Group														
Cercospora-like														
Chaetomium														
Cladosporium	20	267	23	307	47	627								
Curvularia														
Epicoccum														
Fusarium														
Ganoderma														
Nigrospora														
Pen/Asp Types	44	587	64	853	106	1413								
Pithomyces														
Smuts/Rusts/ Myxomycetes														
Stachybotrys														
Torula														
Ulocladium														
TOTAL	64	853	87	1160	161	2147								
HYPHAL FRAGMENTS					2	27								
POLLEN														
BACKGROUND DEBRIS	Light		Light		Light									

ANALYST NAME	Sandy West	ANALYST SIGNATURE	Sandy West	DATE ANALYZED	3/23/2021
LABORATORY NOTES		LABORATORY PROFICIENCY	MEM participates in the AIHA EMPAT Program, Participant # 102334		

Session Report

3/25/2021

General Information

Description	Sample 1
Location	Emanuel Trust
Name	EVM0106_EPN010002_25032021_161236
Start Time	3/22/2021 10:49:27 AM
Stop Time	3/22/2021 10:54:48 AM
Device Name	EPN010002
Serial Number	EPN010002

Summary Data

Description	Value	Description	Value
Temp Avg	70 °F	Temperature Min	69.8 °F
Temperature Max	70.2 °F	Humidity Max	49.1 %
Humidity Avg	48.9 %	Humidity Min	48.6 %
C02Ave	532 PPM	C02Min	473 PPM
C02Max	725 PPM	C02TWA	5 PPM
C0Ave	0 PPM	C0Max	0 PPM
C0Min	0 PPM	Log Rate	15 s

Session Report

3/25/2021

General Information

Description	Sample 2
Location	Emanuel Trust
Name	EVM0109_EPN010002_25032021_161302
Start Time	3/22/2021 11:06:48 AM
Stop Time	3/22/2021 11:12:04 AM
Device Name	EPN010002
Serial Number	EPN010002

Summary Data

Description	Value	Description	Value
Temp Avg	71.1 °F	Temperature Min	70.5 °F
Temperature Max	71.2 °F	Humidity Max	51.8 %
Humidity Avg	48.3 %	Humidity Min	47.4 %
C02Ave	575 PPM	C02Min	482 PPM
C02Max	1207 PPM	C02TWA	6 PPM
C0Ave	0 PPM	C0Max	0 PPM
C0Min	0 PPM	Log Rate	15 s

Session Report

3/25/2021

General Information

Description	Sample 3
Location	Emanuel Trust
Name	EVM0110_EPN010002_25032021_161311
Start Time	3/22/2021 11:13:48 AM
Stop Time	3/22/2021 11:19:39 AM
Device Name	EPN010002
Serial Number	EPN010002

Summary Data

Description	Value	Description	Value
Temp Avg	62.8 °F	Temperature Min	60.6 °F
Temperature Max	71.1 °F	Humidity Max	65.7 %
Humidity Avg	61.3 %	Humidity Min	49.1 %
C02Ave	480 PPM	C02Min	418 PPM
C02Max	980 PPM	C02TWA	5 PPM
C0Ave	0 PPM	C0Max	0 PPM
C0Min	0 PPM	Log Rate	15 s

MARSHALL ENVIRONMENTAL MANAGEMENT, INC.

ESTABLISHED IN 1987
Certified Industrial Hygiene
Asbestos & Lead-Based Paint
Environmental Science
Indoor Air Quality
Occupational Health & Safety
Research & Consultation
Training & Education

November 11, 2020

BOKF
Garet Thompson
PO Box 24128
Oklahoma City, OK 73124

RE: EMANUEL TRUST (S KNOXVILLE AVE. E) | HVAC VISUAL ASSESSMENT

Dear Mr. Thompson:

Marshall Environmental Management, Incorporated (MEM) has completed the visual assessment of the Heating Ventilation and Air-Conditioning (HVAC) system, associated with the residential structure, located at 3523 South Knoxville Avenue E in Tulsa, Oklahoma (herein referred to as the Emanuel Trust). This assessment was performed on October 28, 2020, for the purpose of ruling out and/or identifying suspect fungal contamination relative to the HVAC system which serves the Emanuel Trust. As part of this assessment, a visual evaluation was performed of the HVAC system and associated components (i.e. supply and return-air-vents and grilles, return air filters and plenum).

Currently, there is no state or federal standard establishing safe or unsafe exposure levels to mold relative to an indoor environment. The American Conference of Governmental Industrial Hygienists (ACGIH) recommend using knowledge, experience, expert opinion, logic and common sense to interpret sample results and, if necessary, make remediation recommendations. Apart from typical settled dust, the HVAC system and associated components appeared clean and in good condition. No suspect, fungal contamination was visually observed; therefore, no surface-samples were collected. Based on this assessment, it is the opinion of the Certified Industrial Hygienist (CIH) that no further recommendations are necessary.

General recommendations suggest that routine cleaning efforts concentrate on areas where dust and debris are known to settle (i.e. the HVAC supply and return-air-vent grilles, light fixtures, ledges, etcetera). Likewise, cleaning efforts should be carried out in a manner that mitigates the dispersion of dust and debris (i.e. utilizing wet wipes and High Efficiency Particulate Air- filtration {HEPA} vacuums). The conclusions presented in this report are based on the interpretation of the visual assessment, which is believed to reflect the conditions observed at the time this event took place. Services were accomplished in accordance with Good Industrial Hygiene Practices and under the direction of Jamie Marshall, CIH and President of MEM. Thank you for allowing MEM the opportunity to be of service.

Sincerely,
Marshall Environmental Management, Incorporated

Jamie Marshall | MS | CIH
President

Attachments: Photos

MARSHALL ENVIRONMENTAL MANAGEMENT, INC.

ESTABLISHED IN 1987

Certified Industrial Hygiene
Asbestos & Lead-Based Paint
Environmental Science
Indoor Air Quality
Occupational Health & Safety
Research & Consultation
Training & Education

October 16, 2020

Garet Thompson
BOKF
PO Box 24128
Oklahoma City, OK 73124

RE: 3523 KNOXVILLE-EMANUEL TRUST – INDOOR-AIR QUALITY MONITORING

Dear Mr. Thompson:

Marshall Environmental Management, Incorporated (MEM) has completed the review of the analytical data resulting from the monitoring event that took place on October 1, 2020 within the impacted areas inside the residence located at 3523 Knoxville Avenue E in Tulsa, Oklahoma. This monitoring event was conducted following complaints related to the quality of the indoor air within this residence. To assess the environment in which occupants are exposed and, if necessary, make recommendations to improve the quality of the indoor environment, an investigative and visual assessment was performed. Samples analyzed for total airborne fungi as well as surface fungi were collected in the areas associated with concern. Lastly, carbon dioxide, carbon monoxide, relative humidity and temperature levels were also measured during this monitoring event. For comparison purposes, the aforementioned parameters, excluding surface samples, were collected in the ambient (i.e. outdoor) environment.

The presence of mold spores in the indoor and ambient environment is a normal occurrence. Mold spores are introduced into the indoor environment through open windows, dirty footwear, attached to dust particles and so forth. A large variety of mold spores are commonly found within the indoor environment, and the majority of mold spores are found in the ambient environment. Porous building materials, furnishings, carpet, dust and debris buildup, soil in plant containers, *etcetera* can serve as reservoirs for these ever-present mold spores. Provided sufficient moisture, fungal spores will almost certainly proliferate having the potential to result in a fungal amplification and/or the fungal contamination of the substrate affected. Currently, there is no state or federal standard establishing a safe or unsafe exposure level to mold. As a guideline, the American Conference of Governmental Industrial Hygienists[1] (ACGIH) recommend using knowledge, experience, expert opinion, logic and common sense to interpret sample results and make remediation recommendations.

As it relates to the general indoor environment, the American Society of Heating Refrigeration and Air-conditioning Engineers (ASHRAE) recommends that concentrations of carbon dioxide be kept less than 700-parts per million (ppm) above ambient concentrations (i.e. ~1,000-ppm). Also, no standards have been agreed upon regarding carbon monoxide relative to non-industrial indoor air quality; in accordance with ASHRAE carbon monoxide concentrations should only be present in trace amounts (i.e. below ~1-2-ppm) where there is no combustion source. Finally, ASHRAE recommends that levels of relative humidity be maintained in the range of 30-60 percent (30%-60%), and the operative temperature range, for a 10% dissatisfaction criterion, should be 68.5 and 75 degrees Fahrenheit (68.5 ºF - 75 ºF) during the winter season and 75 ºF to 80.5 ºF during the summer season.

While onsite, visual inspection of the space appeared clean and well kept, although signs of dust and debris were observed throughout the residence and it appeared it had been vacant for a long period of time. In addition, surface samples were

[1] *ACGIH: http://www.acgih.org*

collected of items in the closet, the closet door, and the legs of the kitchen table to determine if fungal material was present. Subsequently, abundant fungal spores were identified on all the surface samples collected. In addition, according to the laboratory analysis the total airborne fungal concentrations detected indoors were considered elevated when compared to the ambient environment. Alternatively, the types of airborne fungi that were identified indoors are considered ubiquitous (i.e. common) to the indoor environment. Lastly, carbon dioxide, carbon monoxide, and temperature measurements were within recommended levels plus or minus several percent; however, although humidity inside the residence was in the suggested range, it was double of the humidity outside, which may indicate Heating, Ventilation and Air Conditioning (HVAC) malfunction. Reference the Analytical Summary on the following page for a summarization of the sampling locations and corresponding analytical data.

Based on this, it is the opinion of the Certified Industrial Hygienist (CIH) that the areas sampled **are representative of a fungal amplification**, relative to the sampling locations and parameters analyzed. Additionally, it is the opinion of the CIH that disturbing/moving any of the building contents will negatively impact the indoor air quality and could cause an exposure to anyone who enters the house. Recommendations suggest cleaning and sanitizing the residence and the fungal contaminated contents by competent persons utilizing isolation and dust suppression techniques to prevent a future decline in the quality of the indoor air. Contaminated items, with the exception of high-value non-porous items, should be removed and disposed. Furthermore, supplemental air sampling is recommended following cleaning/sanitizing activities to verify these activities have not influenced the quality of the indoor air. The HVAC system and associated components should be inspected and sampled by an industrial hygienist to determine if fungal contamination is present. Furthermore, the HVAC system should be evaluated by a mechanical contractor to addresses the elevated humidity within the residence. General recommendations suggest that routine cleaning efforts concentrate on areas where dust and debris are known to settle (i.e. the HVAC supply and return-air-vent grilles, light fixtures, ledges, etcetera). Likewise, cleaning efforts should be carried out in a manner that mitigates the dispersion of dust and debris (i.e. utilizing wet wipes and High Efficiency Particulate Air- filtration {HEPA} vacuums). The conclusions presented in this report are based on the interpretation of the analytical data, and the analytical data is believed to reflect the condition of the air relative to the sampling locations and parameters analyzed. This monitoring event was accomplished in accordance with *Good Industrial Hygiene Practices* and under the direction of Jamie Marshall, CIH and President of MEM. Reference the Analytical Summary on the following page for a summarization of the sampling locations and corresponding analytical data. The analytical data is included, for your records, as an attachment with this report. Once you have had a chance to review, please feel free to call or email with any questions. Thank you for allowing MEM the opportunity to be of service.

Sincerely,

Jamie Marshall
President, Certified Industrial Hygienist
Marshall Environmental Management, Incorporated

Attachments
Analytical Summary, Laboratory Chain of Custody & Results, Indicator Data & Photo Album

ANALYTICAL SUMMARY

TABLE I: TOTAL-AIRBORNE FUNGI

TYPE OF FUNGI	ST-01: AMBIENT	ST-02: LIVING ROOM	ST-03: BEDROOM
ALTERNARIA	27	—	—
ASCOSPORES	240	—	53
BASIDIOSPORES	80	**1213**	**1000**
BIPOLARIS GROUP	—	—	13
CLADOSPORIUM	1120	413	467
CURVULARIA	—	13	—
PENICILLUM/ASPERGILLUS TYPES	1533	693	920
SUMTS/RUSTS/MYXOMYCETES	—	—	27
TOTAL COUNTS/m^3	3000	2333	2480

VALUES ARE REPRESENTED IN COUNTS PER CUBIC METER

TABLE II: TOTAL-SURFACE FUNGI

TYPE OF FUNGI	TL-01: SPOTS ON ITEMS IN CLOSET	TL-02: SPOTS ON CLOSET DOOR	TL-03: LEGS OF KITCHEN TABLE
CLADOSPORIUM	ABUNDANT FUNGAL MATERIAL	ABUNDANT FUNGAL MATERIAL	—
PENICILLUM/ASPERGILLUS TYPES	ABUNDANT FUNGAL MATERIAL	ABUNDANT FUNGAL MATERIAL	ABUNDANT FUNGAL MATERIAL

TABLE III: INDICATOR DATA AVERAGES

SAMPLE LOCATION	CARBON DIOXIDE	CARBON MONOXIDE	RELATIVE HUMIDITY	TEMPERATURE
AMBIENT	440-ppm	2-ppm	23.5%	75.4°F
INSIDE	467-ppm	2-ppm	56.1%	73.4°F

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www.marshallenvironmental.com

CHAIN OF CUSTODY

PROJECT INFORMATION		CONTACT INFORMATION	
PROJECT ID. NO.	0226-IAP/AB-100120-JM	COMPANY	BOKF
PROJECT NAME	3523 Knoxville - Emanuel Trust	ATTENTION	Garet Thompson
ADDRESS	3523 Knoxville Ave E	ADDRESS	PO Box 24128
CITY| STATE| ZIP	Tulsa, OK 74135	CITY| STATE| ZIP	OKC, OK 73124
CONTACT	Garet Thompson	PHONE NUMBER	
PHONE NUMBER		ALTERNATE NO.	
EMAIL ADDRESS		EMAIL ADDRESS	

SAMPLE TURN-AROUND-TIME

	STANDARD (5-7 business		NEXT DAY		SAME DAY
/					

SAMPLE MATRIX / MEDIA

MP MOLD PLATE | ST SPORE TRAP | TL TAPE LIFT | B BULK | O OTHER_____

SAMPLE IDENTIFICATION NUMBER LAB ID.	DATE COLLECTED	MATRIX/MEDIA	FIELD ID.	SAMPLE LOCATION / DESCRIPTION	TIME / UNITS / CONDITION	FUNGI: TOTAL-AIRBORNE FUNGI (ENUMERATION & GENUS ID)	FUNGI: CULTURABLE AIRBORNE FUNGI (ENUMERATION & GENUS ID)	FUNGI: TOTAL-SURFACE FUNGI (SEMI-QUANTITATIVE ENUMERATION & GENUS ID)	ASBESTOS: AIRBORNE FIBER COUNT (NIOSH 7400)	ASBESTOS: BULK MATERIAL (EPA METHOD 600/R-93-116)	OTHER
0065	10-01-20	ST	ST1	- outside	5min-15lpm-75L	/					
			ST2	- Livingroom	↓	↓					
			ST3	- Bedroom	↓	↓					
				RH 24 out'd							
				56 inside							
		TL	TL1	- SPOTS ON ITEMS IN CLOSET	N/A			/			
			TL2	- SPOTS ON CLOSET DOOR	↓			↓			
			TL3	- Legs of KITCHEN TABLE	↓			↓			
#0122	↓	PLM	PLM1	- wall systems * HOLD FOR LATER ANALYSIS *						/	

COLLECTED BY	[signature]	DATE	10/01/2020	RELINQUISHED BY	[signature]	DATE	10/02/2020
		TIME	1530			TIME	1030
RECEIVED BY IN LABORATORY	[signature]	DATE	10/02/20	LABORATORY NOTES	acceptable		
		TIME	1030				

FIELD NOTES		METHOD OF SHIPMENT	HAND	PAGE NUMBER	1	OF	1

MARSHALL ENVIRONMENTAL MANAGEMENT, INC.
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www.marshallenvironmental.com

MARSHALL ENVIRONMENTAL MANAGEMENT, INC.

Total Airborne Fungi Analysis

PROJECT INFORMATION		CONTACT INFORMATION	
PROJECT ID. NO.	0226-IAQ/AB-100120-JM	COMPANY	BOKF
PROJECT NAME	3523 S Knoxville Ave. E - Emanuel Trust	ATTENTION	Garet Thompson
SITE CONTACT	Garet Thompson	PHONE NO.	918.779.6621
PHONE NO.	918.779.6621	ALTERNATE NO.	
EMAIL ADDRESS	garet.thompson@bokf.com	EMAIL ADDRESS	garet.thompson@bokf.com

LAB LOG NUMBER	0066-100120-ST-01		0066-100120-ST-02		0066-100120-ST-03	
TOTAL VOLUME (L)	75		75		75	
FUNGAL SPORES	COUNT	COUNT/m^3	COUNT	COUNT/m^3	COUNT	COUNT/m^3
Alternaria	2	27				
Arthrinium						
Ascospores	18	240			4	53
Basidiospores	6	80	91	1213	75	1000
Bipolaris Group					1	13
Cercospora-like						
Chaetomium						
Cladosporium	84	1120	31	413	35	467
Curvularia			1	13		
Epicoccum						
Fusarium						
Ganoderma						
Nigrospora						
Pen/Asp Types	115	1533	52	693	69	920
Pithomyces						
Smuts/Rusts/ Myxomycetes					2	27
Stachybotrys						
Torula						
Ulocladium						
TOTAL	225	3000	175	2333	186	2480
HYPHAL FRAGMENTS	16	213	1	13	2	27
POLLEN					1	13
BACKGROUND DEBRIS	Moderate		Moderate		Moderate	

ANALYST NAME	Sandy West	ANALYST SIGNATURE	Sandy West	DATE ANALYZED	10/6/2020
LABORATORY NOTES		LABORATORY PROFICIENCY	MEM participates in the AIHA EMPAT Program, Participant # 102334		

MARSHALL ENVIRONMENTAL MANAGEMENT, INC.
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www.marshallenvironmental.com

DIRECT MICROSCOPIC FUNGI EXAM (QUALITATIVE)

PROJECT INFORMATION		CONTACT INFORMATION	
PROJECT ID. NO.	0226-IAQ/AB-100120-JM	COMPANY	BOKF
PROJECT NAME	3523 S Knoxville Ave. E - Emanuel Trust	ATTENTION	Garet Thompson
SITE CONTACT	Garet Thompson	PHONE NO.	918.779.6621
PHONE NO.	918.779.6621	ALTERNATE NO.	
EMAIL ADDRESS	garet.thompson@bokf.com	EMAIL ADDRESS	garet.thompson@bokf.com

LAB LOG NUMBER	0065-100120-TL-01	0065-100120-TL-02	0065-100120-TL-03				
FUNGAL SPORES	GENERAL IMPRESSION	GENERAL IMPRESSION	GENERAL IMPRESSION				
Alternaira							
Arthrinium							
Ascospores							
Basidiospores							
Bipolaris/Drechslera Group							
Cercospora-like Group							
Chaetomium							
Cladosporium	ABUNDANT FUNGAL MATERIAL	ABUNDANT FUNGAL MATERIAL					
Curvularia							
Epicoccum							
Fusarium							
Ganoderma							
Nigrospora							
Penicillum/Aspergillus Types	ABUNDANT FUNGAL MATERIAL	ABUNDANT FUNGAL MATERIAL	ABUNDANT FUNGAL MATERIAL				
Pithomyces							
Smuts/Periconia/Rusts/Myxomycetes							
Stachybotrys							
Torula							
Ulocladium							
Background Debris	Light	Light	Light				

ANALYST NAME	Sandy West	ANALYST SIGNATURE	Sandy West	DATE ANALYZED	10/6/2020
LABORATORY NOTES		LABORATORY PROFICIENCY	MEM participates in the AIHA EMPAT Program, Participant # 102334		

*GENERAL IMPRESSION IS RELATIVE TO THE SAMPLE SUBMITTED FOR ANALYSIS

Session Report

10/6/2020

Information Panel

Company Name	BOKF
Location	3523 Knoxville - Emanuel Trust
Description	01 - Ambient
Start Time	10/1/2020 3:45:31 PM
Stop Time	10/1/2020 3:47:47 PM
Run Time	00:02:16
Name	EVM0441_EPN010002_06102020_134821
Serial Number	EPN010002

Summary Data Panel

Description	Value	Description	Value
Temp Avg	75.4 °F	Temperature Min	74.8 °F
Temperature Max	76.3 °F	Humidity Avg	23.5 %
Humidity Min	22.7 %	Humidity Max	24.4 %
CO2Ave	440 PPM	CO2Min	417 PPM
CO2Max	458 PPM	COAve	2 PPM
COMin	2 PPM	COMax	2 PPM
Log Rate	15 s		

Session Report

10/6/2020

Information Panel

Company Name	BOKF
Location	3523 Knoxville - Emanuel Trust
Description	02 - Inside
Start Time	10/1/2020 3:56:26 PM
Stop Time	10/1/2020 4:06:48 PM
Run Time	00:10:22
Name	EVM0442_EPN010002_06102020_134833
Serial Number	EPN010002

Summary Data Panel

Description	Value	Description	Value
Temp Avg	73.4 °F	Temperature Min	72.7 °F
Temperature Max	73.8 °F	Humidity Avg	56.1 %
Humidity Min	55.3 %	Humidity Max	56.4 %
CO2Ave	467 PPM	CO2Min	407 PPM
CO2Max	617 PPM	COAve	2 PPM
COMin	2 PPM	COMax	3 PPM
Log Rate	15 s		

Photo 1: Mold spots

Photo 2: Mold spots

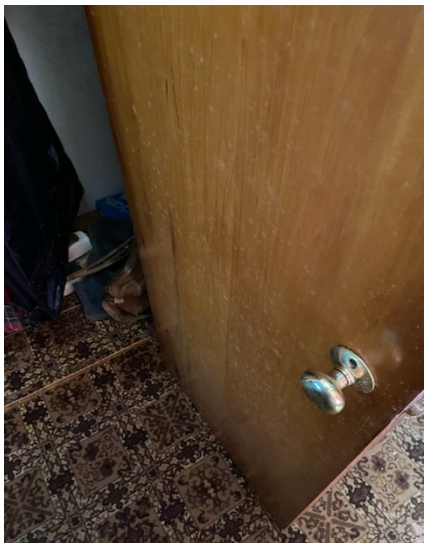

Photo 3: Mold spots

Photo 4: Mold spots

Photo 5: Mold spots

Photo 6: Mold spots

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Photo Album

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