5463 West Waters Avenue, Suite 830
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Terracon.com

January 27, 2025

Above Group, Inc.
400 E. Pratt Street, 8th Floor
Baltimore, MD 21202

Attn: Ms. Jennifer Knight
P: (405) 206-0437
E: jknight@abovegroupinc.com

RE: Limited Indoor Air & Surface Mold Sampling
C.W. (Bill) Young, Bay Pines VA Medical Center
Project No. 516-CSI-134 – Site Prep for the Installation of New PET/CT
Designated Areas Building 100
10000 Bay Pines Boulevard
Bay Pines, Florida 33612
Terracon Report No. H4247213

Dear Ms. Knight:

Terracon Consultants, Inc. (Terracon) is pleased to present the results of the limited indoor air & surface mold sampling, performed on December 18, 2024 in the designated areas of the Bay Pines VA Medical Center located in Bay Pines, FL. This assessment was conducted in general accordance with Terracon Proposal Order PH4247213 Dated July 1, 2024 and subsequent change order, dated December 4, 2024. Our services were requested to perform background/baseline mold sampling in areas to be renovated as part of the new PET/CT installation project.

PROJECT DESCRIPTION

Project Background

It is our understanding that the designated areas of Building 100 are scheduled for renovations as part of upgrades to support the new PET/CT system. It was requested that Terracon perform baseline/background surface and airborne mold sampling. Air and surface samples were obtained in random areas and in areas where conditions could support microbial growth, based on visual observations.

Scope of Services

Terracon Consultants, Inc. (Terracon) representative Mr. Karl Kologiski conducted the air and surface mold sampling on December 18, 2024. Copies of applicable licenses and certifications are included in Attachment C.

Indoor air quality (IAQ) parameters that were also measured in designated indoor as well as outdoor locations included carbon monoxide (CO), carbon dioxide (CO_2), temperature, and relative humidity (RH).

FIELD ACTIVITIES

Visual Assessment

A visual assessment was performed in designated areas. The indoor environment was observed for visual evidence of water damage, suspect mold growth, or other hygiene concerns that could affect indoor air quality. Destructive sampling/testing and observations of the HVAC system were not within the scope of work for this project.

General IAQ Measurements

The CO_2, temperature and RH measurements were obtained from the designated areas using a *QTrak*™ (*Model 9565*) Indoor Air Quality instrument manufactured by TSI. The instrument is calibrated by a third party annually. Measurements were obtained from the designated indoor location and the outdoor environment, for comparison purposes.

Surface Sampling

Three swab samples were collected using laboratory-supplied swabs rolled over any suspect mold-impacted area. The surface swab samples were submitted under chain of custody (COC) to Eurofins for identification and quantification of bioaerosols (i.e., mold spores, mold hyphal structures, etc.) via light microscopy. Eurofins is accredited by the AIHA® Laboratory Accreditation Programs, LLC under the Environmental Microbiology Laboratory Accreditation Program.

Samples taken from noted surfaces were analyzed by direct microscopic examination. The primary purpose of a direct microscopic examination of a sample taken from a surface is to determine whether or not mold is growing on the surface sampled, and if so, what kinds of mold are present. This type of analysis may identify marker genera that may be indicative of indoor growth as opposed to simply settled spores. The presence of biological materials on a particular surface is not a direct indication of what may be in the air.

Spore Trap Air Sampling

Terracon collected four non-cultured air samples (including two outdoors) for analysis for total non-viable bioaerosols. Samples were collected using a tripod to elevate the sample approximately four feet from ground level. The outdoor samples were collected to establish a baseline for air quality.

The samples were collected utilizing a Buck BioAire™ pump calibrated at 15 liters of air per minute prior to sample collection. Calibration was performed using a sample cassette in conjunction with a manufacturer-supplied calibration device. Each sample was collected over a span of 10 minutes for a total volume of 150 liters of air/sample.

The samples were submitted under chain of custody (COC) to Eurofins for identification and quantification of bioaerosols (i.e., mold spores, mold structures).

EVALUATION CRITERIA

Visual Assessment

Since many building materials can provide a source of food for mold spores, water is the limiting factor in minimizing the potential for mold growth. Therefore, visible fungal/mold spore stains, excessive dirt, and water-damaged building materials should not be observed. When these conditions are observed, it indicates a need to conduct cleaning or remediation activities to minimize the potential for mold-related issues.

General IAQ Measurements

Carbon Dioxide

The American Society of Heating, Refrigerating, and Air-Conditioning Engineers, Inc. *(ASHRAE) Standard 62.1-2022*, *Ventilation for Acceptable Indoor Air Quality*, gives specific design criteria for determining the ventilation rates for different types of facilities. The standard calls for outdoor air supply requirements based on the usage of the space, the occupant density, and the square footage of the space. Generally stated, ASHRAE notes that CO_2 concentration for offices no greater than 700 ppm above the outdoor air concentration equates to a breathing zone outdoor airflow rate of 15 cfm per person.

OSHA regulates occupational exposure to CO_2 under 29 Code of Federal Regulations (CFR) 1910.1000, Table Z-1 – Limits for Air Contaminants. The permissible exposure limit (PEL) for CO_2 is 5,000 parts per million (ppm) as an 8-hour TWA.

The ACGIH® has established threshold limit values (TLV®) for CO_2 of 5,000 ppm as an 8-hr TWA and 30,000 ppm as a short-term exposure limit (STEL). TLVs® are guidelines and are not enforced by OSHA.

Carbon Monoxide

The EPA has established a CO standard for outdoor air. Currently, the National Ambient Air Quality Standard (NAAQS) is 9 ppm, as an 8-hour average. Many indoor air quality professionals consider the NAAQS standard to be applicable as a conservative, but realistic guideline when applied to the indoor environment.

Temperature and Relative Humidity

Indoor air temperature and relative humidity are physical conditions important to the perception of comfort. ASHRAE Standard 55-2023, *Thermal Environmental Conditions for Human Occupancy* recommends indoor temperatures during the cooling season (i.e., summer) between 73- and 79-degrees Fahrenheit (oF).During the heating season (i.e., winter), recommended temperatures can range between 68 and 75 oF. For all seasons, the recommended RH range is between 30 and 60%.

ASHRAE Standard 55-2023, recommends that relative humidity in occupied spaces be controlled to less than 60% to reduce the likelihood of conditions that can lead to condensation and microbial growth.

Surface Sampling

At present, no mandatory regulations or standards have been established for the maximum allowable concentration of mold spores.

Spore Trap Sampling

At present, no mandatory regulations or standards have been established for the maximum allowable concentration of bio-aerosols such as mold spores. Over the past years, industrial hygienists, and researchers from a number of governmental and non-governmental agencies have collectively gathered a significant body of data from air, dust and surface samples during both investigative studies and remediation projects. The recommended criteria for evaluating airborne mold concentrations that have emerged from peer-reviewed publications include the following:

- The mold spore concentrations in indoor air should be quantitatively lower than, but qualitatively similar to, that of outdoor air.
- The presence of one or more mold genera at significant levels indoors but not outdoors is evidence of indoor amplification (i.e., biological growth occurring in the indoor environment).

RESULTS

Visual Assessment

A summary of the visual observations is provided in Table 1.0. Refer to Attachment B for referenced photographs.

TABLE 1.0: OBSERVATIONS

Location	General Observations
Outside Conditions	▪ Sea fog during morning hours / sunny, clear during afternoon hours.
Rm 2C-120	▪ Debris – staining observed on doorway threshold in Rm 2C-120 and 2C50 Hallway (Photo 1).
Rm 2C-121	▪ Visible debris on windowsill of Rm 2C-121(Photo 2). ▪ Debris – staining observed on doorway threshold in Rm 2C-121 and 2C50 Hallway (Photo 6).
Flooring	▪ Debris and staining were observed on the carpet and vinyl tiled floor in Rooms 2C107, 2C-122D, 2C-121 and other various wall to floor locations and doorway thresholds within the designated areas (Photos 3-5).

Carbon Dioxide (CO_2)

The average outdoor CO_2 concentration measured was 335 ppm. Therefore, based on ASHRAE Standard 62.1-2013, indoor locations with CO_2 concentrations greater than 1,035 ppm (335 ppm + 700 ppm) would be areas suspected of insufficient outdoor air delivery.

- The CO_2 concentration measured inside the designated areas ranged from 359 ppm to 412 ppm.

The CO_2 results were below the above noted interior CO_2 concentration of 1,035 ppm based on ASHRAE Standard 62.1-2013. A summary of the CO_2 measurements is presented in Table 2.0.

Carbon Monoxide (CO)

Refer to Table 2.0 for measured CO levels and locations collected during the assessment. Measured concentrations were below referenced threshold levels.

Temperature and Relative Humidity

The average outdoor temperature was 72.9 ° Fahrenheit (F). Designated area temperature readings were 72.3 and 74.4°F. The average outdoor RH was 74.8%. Designated areas RH levels were 52.7% and 54.3%.

Based on the data collected, the relative humidity readings and temperature levels recorded from the noted areas were within ASHRAE recommended levels. A summary of IAQ measurements is presented in Table 2.0.

TABLE 2.0: GENERAL IAQ MEASUREMENTS

LOCATION	Time	Temperature (heating)	CO_2	CO	Relative Humidity
Target Levels		**68-75° F**	**<1,035 ppm**	**<9 ppm**	**20%-60%**
Outside – Side Entrance	8:20 am	69.2	297	0.0	81.5
Outside – Side Entrance	4:00 pm	76.5	373	0.0	68.1
Outside – Average	N/A	72.9	335	0.0	74.8
Hallway C2-50	11:25am	74.2	359	0.0	53.1
Reception 2C-129	11:55 am	72.3	390	0.0	52.9
Imaging 2C-108	1:05 pm	74.4	367	0.0	54.3
Waiting Rm 2C-48	2:45 pm	73.8	412	0.0	52.7

Mold Spore Air Sample Results

The following is a summary of the analytical results for the swab samples that were collected from the various surfaces within the designated areas. The bioaerosol laboratory report is presented in Attachment A.

TABLE 3.0: SURFACE SAMPLE RESULTS

Location:	CS-1: 2C-120 Door Threshold	CS-2: 2C-121 Windowsill	CS-3: 2C-107A Floor
Comments (see below)	None	None	None
Background debris (1-4+)	2+	2+	1+
Reporting unit	1 cm^2	1 cm^2	1 cm^2
	Count/sample	Count/sample	Count/sample
Ascospores	80		160
Basidiospores	40		
Cladosporium	480	440	
Curvularia	40		
Penicillium/Aspergillus types	**1,200**	**1,300**	120
TOTAL FUNGAL SPORES	1,900	1,700	280
Hyphal fragments	80	360	200

The three surface swab samples were collected from areas of visible suspect staining / debris on surfaces in the designated areas. The purpose of a direct microscopic examination of a sample taken from a material is to document the level of total mold present on the material sampled, and if so, what kinds of molds are present. This type of analysis may identify marker genera that may be indicative of indoor mold growth. The presence of biological materials on a particular surface is not a direct indication of what may be in the air.

Based on the visual observations, size of the suspect microbial growth area and the reported quantity of *Penicillium/Aspergillus type* spores per square centimeter, mold growth was confirmed in samples CS-1 and CS-2. The other remaining settled spores were reported at *De minimis* levels.

De minimis levels per industry consensus are not considered to be a concern as related to Indoor Air Quality (IAQ) as the levels present are not considered significant and are not considered evidence of indoor amplification. The mold spores categorized as *de minimis* settle out on surfaces from the indoor air, and are introduced into the building via outdoor air infiltration, occupant traffic, from interior plant matter, etc.

Background debris reported in the samples results often constitute pollen, dirt, cellulose – synthetic fibers, etc.

At present, no mandatory regulations or standards have been established for the maximum allowable concentration of mold spores on surfaces. Swab samples provide semi-quantitative results for total mold contamination. Samples are analyzed by direct examination which identifies mold spores and structures but does not differentiate between viable and nonviable mold spores.

Mold Spore Air Sample Results

Laboratory analytical results of total mold spore air samples collected at representative indoor and outdoor locations are presented in Table 4.0.

TABLE 4.0: Mold Spore Air Sample Results

Location:	**V1: Outside Bldg 100**	**V2: Outside Bldg 100**	**Outside Average**	**C1: 2C-129 Reception**	**C2: 2C-120-Office**	**C3: 2C-118 Imaging**
Background debris (1-4+)	**1+**	**2+**		**1+**	**1+**	**1+**
	Count/m3	**Count/m3**	**Count/m3**	**Count/m3**	**Count/m3**	**Count/m3**
Ascospores	110	100	105	7		13
Basidiospores	310	180	245	33	20	
Cercospora		7	4			
Cladosporium	67	1,200	634	27	13	20
Curvularia		27	14			
Other brown			0	**13**	**13**	**7**
Other colorless			0		7	
Penicillium/Aspergillus types	13		7	**20**	**33**	**33**
Smuts, Periconia, Myxomycetes			0		7	
TOTAL MOLD SPORES	490	1,500	995	100	100	73
Hyphal fragments	7	33	20			
Pollen			0	**7**	**7**	

* Bold Entries Indicate Above Outside Averages or Types

- Total indoor airborne mold spore counts were not elevated when compared to the average of the outdoor airborne mold spore concentrations.
- The bolded indoor bioaerosol mold spore concentrations noted in ***Green*** could be interpreted as de minimis.

The total bioaerosol values documented in this report are empirical values. To date, no data support a medically based threshold limit or dose-response relationship for exposure to mold aerosols or mold aeroallergens. No state or federal exposure limits have been established for mold aerosols. The bioaerosol laboratory report is presented in Appendix B.

CONCLUSIONS & RECOMMENDATIONS

Conclusions	Recommendations
Mold growth was confirmed along with visible debris, and dust on the windowsill of Room 2C-121 (Storage).	It is recommended that a thorough cleaning be performed of the windowsills, utilizing a mild detergent solution. It is also recommended that the windowsills in all rooms be cleaned as part of routine housekeeping activities.
Mold growth was confirmed along with visible debris & staining on carpeted / tile floor transitions (door threshold) in Room 2C-120. Dirt and debris was observed on the tiled floors in various locations of the designated areas.	It is recommended that when cleaning / moping the tiled floor areas, water accumulation be removed and the floor be dried as soon as possible to reduce the risk of water migrating in the adjacent carpeted areas and lower sections of drywall walls. It is recommended that a thorough cleaning be performed of the floor utilizing a mild detergent solution. Areas of staining and debris building up at doorways and wall to floor joint should be given special consideration.

Services associated with the IAQ/mold assessment report by the client and all authorized parties will be subject to the terms, conditions and limitations stated in the Task Order, the report, and in the Services Agreement between Above Group, Inc., and Terracon.

Terracon appreciates the opportunity to provide this service to the client. If you have any questions, please contact us at (813) 221-0050.

Sincerely,
Terracon Consultants, Inc.

Karl Kologiski

Karl Kologiski, CIEC
Staff Industrial Hygienist
Florida Licensed Mold Assessor #MRSA-2761

Mark J. Fricke, CIH, CSP, LAC
Senior Industrial Hygienist

Attachments: A – Laboratory Analytical Results
B – Photographs
C – Licenses / Certifications

Attachment A

Laboratory Results

Report for:

Wilson Bull, Mr. Karl Kologiski
Terracon - Tampa
5463 W Waters Ave, Suite 830
Tampa, FL 33634

Regarding: Eurofins EPK Built Environment Testing, LLC
Project: VA Bay Pines; H4247213
EML ID: 3887006

Approved by:

Laboratory Manager
Agner Martinez

Dates of Analysis:
Spore trap analysis: 12-18-2024

Service SOPs: Spore trap analysis (EB-MY-S-1038)
AIHA LAP, LLC accredited service, Lab ID #173067

All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. Due to the nature of the analyses performed, field blank correction of results is not applied. The results relate only to the samples as received and tested. Information supplied by the client which can affect the validity of results: sample air volume.

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Eurofins EPK Built Environment Testing, LLC
6340 NW 5th Way, Ft. Lauderdale, FL 33309
(866) 871-1984 www.eurofinsus.com/Built

Client: Terracon - Tampa
C/O: Wilson Bull, Mr. Karl Kologiski
Re: VA Bay Pines; H4247213

Date of Sampling: 12-16-2024
Date of Receipt: 12-18-2024
Date of Report: 12-19-2024

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	V1: Outside Bldg 100			V2: Outside Bldg 100		
Comments (see below)	None			None		
Lab ID-Version‡:	19255846-1			19255847-1		
Analysis Date:	12/18/2024			12/18/2024		
	raw ct.	% read	spores/m3	raw ct.	% read	spores/m3
Ascospores	16	100	110	15	100	100
Basidiospores	46	100	310	27	100	180
Cercospora				1	100	7
Chaetomium						
Cladosporium	10	100	67	180	100	1,200
Curvularia				4	100	27
Epicoccum						
Fusarium						
Myrothecium						
Nigrospora						
Other colorless						
Penicillium/Aspergillus types†	2	100	13			
Pithomyces						
Rusts						
Smuts, Periconia, Myxomycetes						
Stachybotrys						
Stemphylium						
Torula						
Ulocladium						
Zygomycetes						
Background debris (1-4+)	1+			2+		
Hyphal fragments/m3	7			33		
Pollen/m3	< 7			< 7		
Skin cells (1-4+)	< 1+			< 1+		
Sample volume (liters)	150			150		
§ TOTAL SPORES/m3			490			1,500

Comments:

Spore types listed without a count or data entry were not detected during the course of the analysis for the respective sample, indicating a raw count of <1 spore.
† The spores of *Aspergillus* and *Penicillium* (and others such as *Acremonium*, *Paecilomyces*) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods. Also, some species with very small spores are easily missed, and may be undercounted.
††Background debris indicates the amount of non-biological particulate matter present on the trace (dust in the air) and the resulting visibility for the analyst. It is rated from 1+ (low) to 4+ (high). Counts from areas with 4+ background debris should be regarded as minimal counts and may be higher than reported. It is important to account for samples volumes when evaluating dust levels.

The analytical sensitivity is the spores/m^3 divided by the raw count, expressed in spores/m^3, per spore and per sample.

For more information regarding analytical sensitivity, please contact QA by calling the laboratory.
‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".
§ Total Spores/m3 has been rounded to two significant figures to reflect analytical precision.

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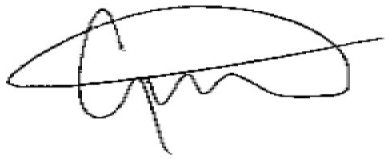
SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

PROJECT ANALYST AND SIGNATORY REPORT

Project Analyst



Analyst: Gabriela Arocha

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‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

Report for:

Mr. Karl Kologiski
Terracon - Tampa
5463 W Waters Ave, Suite 830
Tampa, FL 33634

Regarding: Eurofins EPK Built Environment Testing, LLC
Project: Bay Pines CT; H4247213
EML ID: 3887012

Approved by:

Laboratory Manager
Agner Martinez

Dates of Analysis:
Quantitative spore count direct exam: 12-19-2024

Service SOPs: Quantitative spore count direct exam (EM-MY-S-1041)
AIHA LAP, LLC accredited service, Lab ID #173067

All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. Due to the nature of the analyses performed, field blank correction of results is not applied. The results relate only to the samples as received and tested.

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Client: Terracon - Tampa
C/O: Mr. Karl Kologiski
Re: Bay Pines CT; H4247213

Date of Sampling: 12-16-2024
Date of Receipt: 12-18-2024
Date of Report: 12-19-2024

QUANTITATIVE SPORE COUNT REPORT

Location:	C5-1: 2C- 120 Door Threshold		C5-2: 2C- 121 Window Sill		C5-3: 2C- 107A Floor	
Comments (see below)	None		None		None	
Sample type	Swab sample		Swab sample		Swab sample	
Lab ID-Version‡:	19255924-1		19255925-1		19255926-1	
Analysis Date:	12/19/2024		12/19/2024		12/19/2024	
Dilution	1:40		1:40		1:40	
	raw ct.	spores/unit	raw ct.	spores/unit	raw ct.	spores/unit
Alternaria						
Arthrinium						
Ascospores	2	80			4	160
Aureobasidium						
Basidiospores	1	40				
Bipolaris/Drechslera group						
Botrytis						
Chaetomium						
Cladosporium	12	480	11	440		
Curvularia	1	40				
Epicoccum						
Fusarium						
Myrothecium						
Nigrospora						
Other colorless						
Penicillium/Aspergillus types†	31	1,200	32	1,300	3	120
Pithomyces						
Rusts						
Smuts, Periconia, Myxomycetes						
Stachybotrys						
Stemphylium						
Torula						
Ulocladium						
Zygomycetes						
Background debris (1-4+)††	2+		2+		1+	
Sample size	1		1		1	
Unit	1 cm2		1 cm2		1 cm2	
§ TOTAL SPORES/UNIT		1,900		1,700		280

Comments:

† The spores of *Aspergillus* and *Penicillium* (and others such as *Acremonium, Paecilomyces*) are small and round with very few distinguishing characteristics. They cannot be differentiated by non viable sampling methods. Also, some species with very small spores are easily missed, and may be undercounted.
†† Background debris is an indication of the amount of non-biological particulate matter present on the slide (dust in the air) and is graded from 1+ to 4+ with 4+ indicating the largest amounts. This background material is also an indication of visibility for the analyst and resultant difficulty reading the slide. For example, high background debris may obscure the small spores such as the *Penicillium/Aspergillus* group. Counts from areas with 4+ background debris should be regarded as minimal counts and may actually be higher than reported.

Where tape lifts are performed for bulk sample analysis, the unit reported is specific to the area of tape analyzed.

‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".
§ Total Spores/unit has been rounded to two significant figures to reflect analytical precision.
The limit of detection is 1 spore per area analyzed; Analytical Sensitivity is 1 spore per unit times the dilution factor.
Spore types listed without a count or data entry were not detected during the course of the analysis for the respective sample, indicating a raw count of <1 spore.

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Client: Terracon - Tampa
C/O: Mr. Karl Kologiski
Re: Bay Pines CT; H4247213

Date of Sampling: 12-16-2024
Date of Receipt: 12-18-2024
Date of Report: 12-19-2024

QUANTITATIVE SPORE COUNT REPORT

PROJECT ANALYST AND SIGNATORY REPORT

Project Analyst

Analyst: Luis Esteva

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Project: Bay Pines CT; H4247213
EML ID: 3887012

Approved by:

Laboratory Manager
Agner Martinez

Dates of Analysis:
Spore trap analysis: 12-19-2024

Service SOPs: Spore trap analysis (EB-MY-S-1038)
AIHA LAP, LLC accredited service, Lab ID #173067

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Re: Bay Pines CT; H4247213

Date of Sampling: 12-16-2024
Date of Receipt: 12-18-2024
Date of Report: 12-19-2024

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	C1: 2C129- Reception			C2: 2C 120- Office		
Comments (see below)	None			None		
Lab ID-Version‡:	19255927-1			19255928-1		
Analysis Date:	12/19/2024			12/19/2024		
	raw ct.	% read	spores/m3	raw ct.	% read	spores/m3
Ascospores	1	100	7			
Basidiospores	5	100	33	3	100	20
Chaetomium						
Cladosporium	4	100	27	2	100	13
Curvularia						
Epicoccum				1	100	7
Fusarium						
Myrothecium						
Nigrospora						
Other brown	2	100	13	2	100	13
Other colorless				1	100	7
Penicillium/Aspergillus types†	3	100	20	5	100	33
Pithomyces						
Rusts						
Smuts, Periconia, Myxomycetes				1	100	7
Stachybotrys						
Stemphylium						
Torula						
Ulocladium						
Zygomycetes						
Background debris (1-4+)	1+			1+		
Hyphal fragments/m3	< 7			< 7		
Pollen/m3	7			7		
Skin cells (1-4+)	1+			1+		
Sample volume (liters)	150			150		
§ TOTAL SPORES/m3			100			100

Comments:

Spore types listed without a count or data entry were not detected during the course of the analysis for the respective sample, indicating a raw count of <1 spore.
† The spores of *Aspergillus* and *Penicillium* (and others such as *Acremonium*, *Paecilomyces*) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods. Also, some species with very small spores are easily missed, and may be undercounted.
††Background debris indicates the amount of non-biological particulate matter present on the trace (dust in the air) and the resulting visibility for the analyst. It is rated from 1+ (low) to 4+ (high). Counts from areas with 4+ background debris should be regarded as minimal counts and may be higher than reported. It is important to account for samples volumes when evaluating dust levels.

The analytical sensitivity is the spores/m^3 divided by the raw count, expressed in spores/m^3, per spore and per sample.

For more information regarding analytical sensitivity, please contact QA by calling the laboratory.
‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".
§ Total Spores/m3 has been rounded to two significant figures to reflect analytical precision.

Eurofins EPK Built Environment Testing, LLC
6340 NW 5th Way, Ft. Lauderdale, FL 33309
(866) 871-1984 www.eurofinsus.com/Built

Client: Terracon - Tampa
C/O: Mr. Karl Kologiski
Re: Bay Pines CT; H4247213

Date of Sampling: 12-16-2024
Date of Receipt: 12-18-2024
Date of Report: 12-19-2024

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	C3: 2C 118- Imaging		
Comments (see below)	None		
Lab ID-Version‡:	19255929-1		
Analysis Date:	12/19/2024		
	raw ct.	% read	spores/m3
Ascospores	2	100	13
Basidiospores			
Chaetomium			
Cladosporium	3	100	20
Curvularia			
Epicoccum			
Fusarium			
Myrothecium			
Nigrospora			
Other brown	1	100	7
Other colorless			
Penicillium/Aspergillus types†	5	100	33
Pithomyces			
Rusts			
Smuts, Periconia, Myxomycetes			
Stachybotrys			
Stemphylium			
Torula			
Ulocladium			
Zygomycetes			
Background debris (1-4+)	1+		
Hyphal fragments/m3	< 7		
Pollen/m3	< 7		
Skin cells (1-4+)	1+		
Sample volume (liters)	150		
§ TOTAL SPORES/m3			73

Comments:

Spore types listed without a count or data entry were not detected during the course of the analysis for the respective sample, indicating a raw count of <1 spore.
† The spores of *Aspergillus* and *Penicillium* (and others such as *Acremonium*, *Paecilomyces*) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods. Also, some species with very small spores are easily missed, and may be undercounted.
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SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

PROJECT ANALYST AND SIGNATORY REPORT

Project Analyst

Analyst: Luis Esteva

The test report shall not be reproduced except in full, without written approval of the laboratory. The report must not be used by the client to claim product certification, approval, or endorsement by AIHA LAP, LLC, or any agency of the federal government. The Company reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified.

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Attachment B

Photographs

Photo #1 Visible staining on vinyl flooring to carpet transition, door threshold at entrance to Rm 2C-120 (Surface Sample C5-1)

Photo #2 Visible debris on window sill of Rm 2C-121 (Surface Sample C5-2)

Photo #3 Visible debris on floor in Rm 2C-107 (Surface Sample C5-3)

Photo #4 Stains on carpet observed in Rm 2C-121

Photo #5 Staining on floor observed under the sink in Restroom 2C-122D

Photo #6 Visible staining on vinyl flooring to carpet transition, door threshold at entrance to Rm 2C-121

Attachment C

Licenses / Certifications

American Council for Accredited Certification

hereby certifies that

Karl V. Kologiski

has met all the specific standards and qualifications of the re-certification process, including continued professional development, and is hereby re-certified as a

CIEC

Council-certified
Indoor Environmental Consultant

This certificate expires on October 31, 2026

Charles F. Wiles, Executive Director

1610018
Certificate Number

This certificate remains the property of the American Council for Accredited Certification.

Ron DeSantis, Governor

Melanie S. Griffin, Secretary

Florida dbpr

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

MOLD-RELATED SERVICES LICENSING PROGRAM

THE MOLD ASSESSOR HEREIN IS CERTIFIED UNDER THE PROVISIONS OF CHAPTER 468, FLORIDA STATUTES

KOLOGISKI, KARL VON IV
6226 2ND AVE NORTH
ST. PETERSBURG FL 33710

LICENSE NUMBER: MRSA2761
EXPIRATION DATE: JULY 31, 2026

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The Board for Global EHS Credentialing® (BGC®)

through its vested authority, hereby confirms that

Mark J. Fricke

has met all requirements of education, experience, and examination set forth through the BGC's American Board of Industrial Hygiene® (ABIH®) credentialing division for initial certification in the Comprehensive Practice of Industrial Hygiene and is thereby conferred the credential of

Certified Industrial Hygienist® (CIH®)

The aforenamed individual is given all rights, privileges, and responsibilities as both a diplomate of the BGC and holder of the CIH credential, provided that the credential is not suspended or revoked, and it is renewed annually. Moreover, the holder must meet all recertification requirements, including the obligation to practice ethically as prescribed by the BGC.

American board of industrial hygiene CIH

Board for Global EHS Credentialing Incorporated SEAL 2960 Pennsylvania BGC

Credential Number:	12204 CP
Award Date:	November 2, 2020
Expiration Date:	June 1, 2026

Cynthia Hanko, CIH
Chair of the Board of Directors

Ulric K. Chung, MCS, PhD
Chief Executive Officer and Secretary