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September 10, 2026

Doug Bliven, MCPPO  
Turowski2 Architecture, Inc.  
227 Union Street, Suite 301  
New Bedford, MA 02740

**Re:   Assessment of Indoor Air Quality  
      Pelham Amherst Regional Middle School  
      170 Chestnut Street  
      Amherst, Massachusetts  
      ECMS Project No. 1206.017**

Dear Mr. Bliven:

On September 7, 2026 *Environmental & Construction Management Services, Inc. (ECMS)* conducted a follow-up visual inspection and indoor air quality assessment at Pelham Amherst Regional Middle School, 170 Chestnut Street, Amherst, Massachusetts. Results of two previous assessments are contained in letters dated August 24, 2026 and August 25, 2026. These activities were completed by *ECMS* pursuant to a request by *Turowski2 Architecture, Inc.* after a complaint.

Following a program established by *ECMS*, *ECMS* personnel measured the following indoor air quality parameters including: mold, particulate matter (also referred to as PM), carbon dioxide, carbon monoxide, temperature, relative humidity and total volatile organic compounds (TVOC). Also provided is an overall Air Quality Index (AQI) score based upon EPA AQI guidelines. See Attachment for more information. The results of the indoor air quality parameters were then compared to published guidelines.

### **Mold Spores**

Mold spores are microscopic reproductive units released by fungi, of which there are more than 100,000 species worldwide. They are naturally present in both indoor and outdoor air, with concentrations typically higher outdoors. Indoors, mold growth is generally linked to excess moisture from leaks, condensation, or inadequate ventilation. When disturbed or stressed, mold colonies can release large numbers of spores into the air.

Most mold spores are not harmful to healthy individuals, but elevated levels indoors may trigger allergic responses such as nasal congestion, eye irritation, or respiratory discomfort, particularly in sensitive or immunocompromised individuals. Skin rashes or other symptoms should be medically evaluated, as they may also result from non-mold-related irritants.

1. Determine if airborne mold propagules are present at levels above typical outdoor or background conditions, particularly species associated with allergenic or irritant effects.
2. Identify and eliminate indoor sources of mold growth through targeted inspection and remediation of underlying moisture problems.

### *Guideline / Reference Range*

There are no generally applicable federal or Massachusetts regulatory standards establishing acceptable indoor airborne mold concentrations. Comparison of indoor and outdoor fungal concentrations is commonly used as an interpretive tool; however, results should also be evaluated in conjunction with fungal types identified, field observations, moisture conditions, building history, and sampling limitations.

Presence of water damage or visible mold growth indicates a need for corrective action, regardless of airborne spore counts (EPA, AIHA, MA DPH).

### **Particulate Matter (PM)**

Particulate matter (PM) refers to tiny solid or liquid particles suspended in the air. The most important for health are PM<sub>10</sub> (10 micrometers or smaller) and PM<sub>2.5</sub> (2.5 micrometers or smaller), which can reach deep into the lungs. Outdoors, PM levels are regulated by EPA due to links with respiratory and cardiovascular effects. Indoors, PM can come from outdoor infiltration as well as activities such as cooking, smoking, and cleaning. Elevated indoor PM may cause irritation or worsen existing health conditions.

#### *Guideline / Reference Range*

PM<sub>2.5</sub>: 35 µg/m<sup>3</sup> (24-hour average) – EPA NAAQS

PM<sub>10</sub>: 150 µg/m<sup>3</sup> (24-hour average) – EPA NAAQS

Best practice: Indoor PM should remain at or below outdoor levels (EPA, ASHRAE).

### **Carbon Dioxide**

Carbon dioxide (CO<sub>2</sub>) is a colorless, odorless gas that makes up about 0.04% of outdoor air. It is produced by combustion, fermentation, and human/animal respiration. Indoors, elevated CO<sub>2</sub> levels usually indicate inadequate ventilation rather than a direct health hazard, though high levels can contribute to discomfort and reduced performance.

#### *Guideline / Reference Range*

OSHA PEL: 5,000 ppm (8-hour TWA)

EPA / ASHRAE / MA DPH: <800–1,000 ppm recommended for good indoor air quality

### **Carbon Monoxide**

Carbon monoxide (CO) is a colorless, odorless gas produced by incomplete combustion of carbon-based fuels such as gas, oil, wood, and coal. Indoors, common sources include malfunctioning heating systems, stoves, or exhaust back drafting. CO reduces the blood's ability to carry oxygen, and exposure can cause headaches, dizziness, fatigue, nausea, or confusion. High levels can lead to loss of consciousness or death. Vulnerable groups such as children, the elderly, and individuals with heart or lung disease are at greater risk.

#### *Guideline / Reference Range*

OSHA PEL: 50 ppm (8-hour TWA)

ACGIH TLV: 25 ppm (8-hour TWA)

EPA NAAQS: 9 ppm (8-hour average), 35 ppm (1-hour average)



Best practice: Indoor CO should be maintained as close to zero as possible, with functioning CO detectors in residential and commercial settings.

### **Temperature and Relative Humidity**

Temperature and relative humidity (RH) are key comfort and air quality factors. High heat and humidity can create discomfort, increase respiration (raising indoor CO<sub>2</sub>), and promote microbial growth, including fungi. Low humidity, often in winter, can dry the skin, eyes, nose, and throat, causing irritation. Maintaining balanced conditions supports both occupant comfort and healthy indoor environments.

#### **Guideline / Reference Range**

ASHRAE Comfort Range: 66–78°F (seasonal)

ASHRAE Recommended RH: 40–60%

OSHA IAQ Guidance: Avoid prolonged extremes outside these ranges

### **Total Volatile Organic Compounds (TVOC)**

Volatile organic compounds (VOCs) are gases released from many household and building materials, including paints, solvents, cleaning products, furnishings, fuels, office equipment, and personal care products. Indoor concentrations often exceed outdoor levels due to multiple sources and limited ventilation. Short-term exposure can cause eye, nose, and throat irritation, headaches, and nausea, while long-term or high exposures may affect the liver, kidneys, or nervous system. Some VOCs are known or suspected human carcinogens.

#### **Guideline / Reference Range**

No enforceable U.S. federal standard for TVOC

Best practice: Maintain TVOC levels as low as reasonably achievable

Indoor levels should not exceed typical outdoor/background concentrations (EPA, AIHA, ASHRAE)

### **Air Quality Index (AQI)**

The U.S. Air Quality Index (AQI) is the EPA's standard tool for communicating daily outdoor air quality. It uses a color-coded scale that links measured pollutant levels to potential health effects and identifies groups that may be more sensitive to exposure. The AQI also provides the basis for real-time reporting and forecasting, helping the public make informed decisions to reduce exposure when air quality is poor.

### **SAMPLING EQUIPMENT AND METHODS**

#### *Air Sampling for Mold Spores, Dander, Fibers and Mycelial Fragments*

ECMS personnel used Air-O-Cell disposable bioaerosol impact samplers to collect airborne mold samples from twelve interior spaces at Pelham Amherst Regional Middle School, 170 Chestnut Street, Amherst, Massachusetts. To establish comparison baselines, an additional sample was collected from the outdoor air, for a total of thirteen (13) samples.



All samples were submitted under proper chain-of-custody (COC) to Asbestos Identification Laboratory (AIL), Woburn, Massachusetts for analysis. The Air-O-Cell cassettes allowed the laboratory to perform Direct Microscopic Examination (DME) to identify and quantify mold spores. Results are summarized in Table 1, with full laboratory analytical reports included as Attachment A.

#### *Indoor Air Equipment and Methods*

To evaluate indoor air quality within the building, ECMS personnel used a multi-parameter IAQ detector to measure following indoor air quality parameters including: mold, particulate matter (also referred to as PM), carbon dioxide, carbon monoxide, temperature, relative humidity and total volatile organic compounds (TVOC). All instruments were operated in accordance with manufacturer specifications, checked and zeroed prior to use, and readings were recorded after stabilization to ensure representative indoor conditions. Results are summarized in Table 2.

## **RESULTS**

### **Airborne Mold Spore Sampling Results**

There are no legally enforceable federal or state standards for acceptable indoor mold spore concentrations in the U.S., as mold regulations are generally advisory. However, guidelines from organizations like the American Industrial Hygiene Association (AIHA) and the Environmental Protection Agency (EPA) suggest comparing indoor mold spore levels to outdoor levels as a benchmark for assessing indoor air quality.

At the completion of sampling, all samples were submitted, under proper chain-of-custody, to AIL in Woburn, MA. AIL analyzes spore traps using DME. There is a wide choice of collection devices (Air-O-Cell, Micro-5, Burkhard, etc.) on the market. Differences in analytical method may exist between spore trap devices.

Spore trap results are reported in spores per cubic meter of air. Due to the other airborne particles collected with the spores, AIL reports a background particle density. Background density is an indication of overall particulate matter present on the sample (i.e. dust in the air).

High background concentrations may obscure spores such as the *Penicillium/Aspergillus* group. The debris rating system is from 0-5 with:

- 0 = No particle matter detected in impaction area of spore trap;
- 1 = Minimal to approx. 5% particle matter detected in impaction area of spore trap;
- 2 = Approx. 5% to approx. 25% particle matter detected in impaction area of spore trap;
- 3 = Approx. 25% to approx. 75% particle matter detected in impaction area of spore trap;
- 4 = Approx. 75% to approx. 90% particle matter detected in impaction area of spore trap;
- 5 = Greater than approx. 90% particle matter detected in impaction area of spore trap.

Most spore trap samples typically contain some non-microbial particles. High levels of non-microbial particles on a spore trap sample will bias the analysis in two ways: (1) Capture efficiency decreases. (2) Debris obscures or covers spores.



**TABLE 1**  
**SUMMARY OF AIR SAMPLE RESULTS**  
**PELHAM AMHERST REGIONAL MIDDLE SCHOOL**  
**170 CHESTNUT STREET**  
**AMHERST, MASSACHUSETTS**  
**SEPTEMBER 7, 2026**

| <b>Field ID</b> | <b>Test Location</b>                    | <b>Debris Rating (1-5)<br/>**</b> | <b>Total Fungal Structures<br/>(Count/m<sup>3</sup>)</b> | <b>Type of Mold Identified</b>                                                                                  |
|-----------------|-----------------------------------------|-----------------------------------|----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| 01              | C22-A                                   | 3                                 | 7867                                                     | Ascospores, Aspergillus/Penicillium, Basidiospores, Cladosporium, Miscellaneous/Unidentified, Smuts/Myxomycetes |
| 02              | C27                                     | 3                                 | 9956                                                     | Ascospores, Aspergillus/Penicillium, Basidiospores, Cladosporium, Hyphal Structures, Miscellaneous/Unidentified |
| 03              | Library                                 | 3                                 | 7956                                                     | Ascospores, Aspergillus/Penicillium, Basidiospores, Cladosporium, Hyphal Structures                             |
| 04              | Hall outside of C5-A                    | 3                                 | 11067                                                    | Ascospores, Aspergillus/Penicillium, Basidiospores, Cladosporium, Hyphal Structures, Miscellaneous/Unidentified |
| 05              | Monumental Stairs 1 <sup>st</sup> Floor | 4                                 | <b>11733</b>                                             | Ascospores, Aspergillus/Penicillium, Basidiospores, Cladosporium, Miscellaneous/Unidentified                    |
| 06              | Art-1                                   | 3                                 | <b>11689</b>                                             | Alternaria, Ascospores, Aspergillus/Penicillium, Basidiospores, Cladosporium, Miscellaneous/Unidentified        |
| 07              | Info Systems                            | 3                                 | <b>13200</b>                                             | Ascospores, Aspergillus/Penicillium, Basidiospores, Cladosporium, Hyphal Structures, Miscellaneous/Unidentified |
| 08              | Kitchen                                 | 3                                 | 10667                                                    | Ascospores, Aspergillus/Penicillium, Basidiospores, Cladosporium, Miscellaneous/Unidentified                    |

**TABLE 1**  
**SUMMARY OF AIR SAMPLE RESULTS**  
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**SEPTEMBER 7, 2026**

| <b>Field ID</b> | <b>Test Location</b>                | <b>Debris Rating (1-5)<br/>**</b> | <b>Total Fungal Structures<br/>(Count/m<sup>3</sup>)</b> | <b>Type of Mold Identified</b>                                                                                                                          |
|-----------------|-------------------------------------|-----------------------------------|----------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| 09              | Hall by Court 2                     | 4                                 | 13467                                                    | Ascospores, Aspergillus/Penicillium, Basidiospores, Cladosporium, Curvularia, Hyphal Structures, Miscellaneous/Unidentified, Smuts/Myxomycetes          |
| 10              | Hall by Court 1                     | 3                                 | 11156                                                    | Ascospores, Aspergillus/Penicillium, Basidiospores, Cladosporium, Curvularia, Hyphal Structures, Miscellaneous/Unidentified, Smuts/Myxomycetes          |
| 11              | Gym Lobby                           | 3                                 | 11333                                                    | Ascospores, Aspergillus/Penicillium, Basidiospores, Cladosporium, Hyphal Structures, Miscellaneous/Unidentified                                         |
| 12              | Gym 2 <sup>nd</sup> Floor by Stairs | 3                                 | 9156                                                     | Ascospores, Aspergillus/Penicillium, Basidiospores, Cladosporium, Curvularia, Drechslera/Bipolaris group, Hyphal Structures, Miscellaneous/Unidentified |
| 13              | Outside Control                     | 3                                 | 11200                                                    | Alternaria, Ascospores, Aspergillus/Penicillium, Basidiospores, Cladosporium, Hyphal Structures, Miscellaneous/Unidentified, Smuts/Myxomycetes          |

## Indoor Air Quality Test Results

| <b>TABLE 2</b><br><b>SUMMARY OF IAQ RESULTS</b><br><b>PELHAM AMHERST REGIONAL MIDDLE SCHOOL</b><br><b>170 CHESTNUT STREET</b><br><b>AMHERST, MASSACHUSETTS</b><br><b>SEPTEMBER 7, 2026</b> |                       |           |                       |                        |              |                |                   |                     |             |         |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------|-----------------------|------------------------|--------------|----------------|-------------------|---------------------|-------------|---------|
| Location                                                                                                                                                                                   | Carbon Dioxide (*ppm) | Temp (F°) | Relative Humidity (%) | Carbon Monoxide (*ppm) | TVOC (mg/m3) | PM 2.5 (ug/m3) | Occupants in Room | Windows Open/Closed | Ventilation |         |
|                                                                                                                                                                                            |                       |           |                       |                        |              |                |                   |                     | Supply      | Exhaust |
| C22-A                                                                                                                                                                                      | 395                   | 70        | 49                    | 0.0                    | 0.110        | 002            | 1                 | Closed              | Yes         | Yes     |
| C27                                                                                                                                                                                        | 357                   | 74        | 52                    | 0.0                    | 0.127        | 002            | 1                 | Closed              | Yes         | Yes     |
| Library                                                                                                                                                                                    | 393                   | 69        | 52                    | 0.0                    | 0.145        | 002            | 1                 | Closed              | Yes         | Yes     |
| Hall outside of C5-A                                                                                                                                                                       | 499                   | 69        | 52                    | 0.0                    | 0.115        | 003            | 1                 | Closed              | Yes         | Yes     |
| Monumental Stairs 1 <sup>st</sup> Floor                                                                                                                                                    | 389                   | 72        | 50                    | 0.0                    | 0.099        | 005            | 1                 | Closed              | Yes         | Yes     |
| Art-1                                                                                                                                                                                      | 390                   | 70        | 53                    | 0.0                    | 0.129        | 003            | 1                 | Closed              | Yes         | Yes     |
| Info Systems                                                                                                                                                                               | 375                   | 70        | 50                    | 0.0                    | 0.279        | 003            | 1                 | Closed              | Yes         | Yes     |
| Kitchen                                                                                                                                                                                    | 360                   | 68        | 53                    | 0.0                    | 0.086        | 005            | 1                 | Closed              | Yes         | Yes     |

\*ppm=parts per million

## Comfort Guidelines

Carbon Dioxide – <600 ppm = preferred  
600-1000 ppm = acceptable  
>1000 ppm = indicative of ventilation problems

Temperature – 66-78°F

Relative Humidity – 40-60%

Carbon Monoxide – 9 ppm

TVOCs – Below 0.5 mg/m3

PM 2.5 – Below 35 ug/m3

## Indoor Air Quality Test Results

| <b>TABLE 2</b><br><b>SUMMARY OF IAQ RESULTS</b><br><b>PELHAM AMHERST REGIONAL MIDDLE SCHOOL</b><br><b>170 CHESTNUT STREET</b><br><b>AMHERST, MASSACHUSETTS</b><br><b>SEPTEMBER 7, 2026</b> |                       |           |                       |                        |                           |                             |                   |                     |             |         |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------|-----------------------|------------------------|---------------------------|-----------------------------|-------------------|---------------------|-------------|---------|
| Location                                                                                                                                                                                   | Carbon Dioxide (*ppm) | Temp (F°) | Relative Humidity (%) | Carbon Monoxide (*ppm) | TVOC (mg/m <sup>3</sup> ) | PM 2.5 (ug/m <sup>3</sup> ) | Occupants in Room | Windows Open/Closed | Ventilation |         |
|                                                                                                                                                                                            |                       |           |                       |                        |                           |                             |                   |                     | Supply      | Exhaust |
| Hall by Court 2                                                                                                                                                                            | 359                   | 73        | 50                    | 0.0                    | 0.082                     | 007                         | 1                 | N/A                 | Yes         | Yes     |
| Hall by Court 1                                                                                                                                                                            | 349                   | 74        | 43                    | 0.0                    | 0.087                     | 006                         | 1                 | N/A                 | Yes         | Yes     |
| Gym Lobby                                                                                                                                                                                  | 357                   | 75        | 53                    | 0.0                    | 0.085                     | 005                         | 1                 | N/A                 | Yes         | Yes     |
| Gym 2 <sup>nd</sup> Floor by Stairs                                                                                                                                                        | 346                   | <b>84</b> | 42                    | 0.0                    | 0.075                     | 003                         | 1                 | N/A                 | Yes         | Yes     |
| Outside Control                                                                                                                                                                            | 400                   | 53        | 84                    | 0.0                    | 0.000                     | 003                         | N/A               | N/A                 | N/A         | N/A     |

\*ppm=parts per million

## Comfort Guidelines

|                     |                                                                                                     |
|---------------------|-----------------------------------------------------------------------------------------------------|
| Carbon Dioxide –    | <600 ppm = preferred<br>600-1000 ppm = acceptable<br>>1000 ppm = indicative of ventilation problems |
| Temperature –       | 66-78°F                                                                                             |
| Relative Humidity – | 40-60%                                                                                              |
| Carbon Monoxide –   | 9 ppm                                                                                               |
| TVOCs –             | Below 0.5 mg/m <sup>3</sup>                                                                         |
| PM 2.5 –            | Below 35 ug/m <sup>3</sup>                                                                          |

## **Air Quality Index (AQI) Results**

The measured AQI for Pelham Amherst Regional Middle School, 170 Chestnut Street, Amherst, Massachusetts was 014 (GOOD).

The reported AQI for Amherst, Massachusetts on September 7, 2026 at 0600 (based on EPA reported numbers at [www.airnow.gov](http://www.airnow.gov)) was 019 (GOOD).

## **SUMMARY AND RECOMMENDATIONS**

### **Summary**

Building operating conditions differed between the sampling events. During the August 20 assessment, the HVAC system was off and contractor fans had been operating during the preceding days but were turned off during sampling. During the August 24 assessment, contractor fans, HEPA units, and air scrubbers were operating during sampling. During the September 7 assessment, the HVAC system was off and all doors and windows were closed. It should be noted that the building was predominantly unoccupied during the September 7 assessment. These differences may have influenced airborne particulate and fungal concentrations.

### **Mold Air**

Airborne fungal sampling was conducted throughout the building on September 7, 2026, with samples collected from twelve indoor locations and one outdoor control. The samples were analyzed by Direct Microscopic Examination (DME) for identification and quantification of airborne fungal structures. Indoor airborne fungal concentrations ranged from 7,867 to 13,467 spores/m<sup>3</sup>, while the outdoor control sample contained 11,200 spores/m<sup>3</sup>.

Indoor fungal concentrations were below the outdoor control in five of the twelve indoor locations. The highest indoor concentration was identified in the Hall by Court 2 at 13,467 spores/m<sup>3</sup>, followed by Info Systems at 13,200 spores/m<sup>3</sup>. Other elevated concentrations included Monumental Stairs at 11,733 spores/m<sup>3</sup>, Art-1 at 11,689 spores/m<sup>3</sup>, Hall by Court 1 at 11,156 spores/m<sup>3</sup>, and Hall by C5-A at 11,067 spores/m<sup>3</sup>.

The predominant fungal types identified indoors were Basidiospores and Ascospores, with varying concentrations of Aspergillus/Penicillium and Cladosporium. Basidiospores and Ascospores were also prominent in the outdoor control sample, indicating that these fungal groups were present in the outdoor air at the time of sampling.

The highest concentration of Aspergillus/Penicillium-type spores was identified in Info Systems at 3,822 spores/m<sup>3</sup>, followed by the Kitchen at 2,178 spores/m<sup>3</sup> and Art-1 at 1,822 spores/m<sup>3</sup>. The laboratory identifies Aspergillus/Penicillium as a fungal group that may be associated with moisture, chronic condensation, or humid conditions.

Chaetomium, Stachybotrys, and Ulocladium were not detected in any of the indoor samples. Alternaria was detected only in Art-1 at 44 spores/m<sup>3</sup>. These fungal groups are identified by the laboratory as potential indicators of moisture or chronic condensation.

Two locations, Monumental Stairs and Hall by Court 2, received a Debris Rating of 4, indicating approximately 75–90% particle matter in the spore-trap impaction area. The laboratory notes that elevated debris can reduce capture efficiency and obscure fungal spores; consequently, results from samples with debris ratings of 4 or higher may represent undercounts.

Overall, the September 7, 2026 results indicate that indoor airborne fungal concentrations were generally below the outdoor control, with the Hall by Court 2 and Info Systems samples exceeding the outdoor concentration. The indoor fungal profile was primarily composed of Basidiospores and Ascospores, with varying levels of *Aspergillus*/*Penicillium* and *Cladosporium*. No *Chaetomium*, *Stachybotrys*, or *Ulocladium* were identified in the indoor samples.

### IAQ Parameters

The calculated particulate-based AQI was within the EPA 'Good' range. This index does not evaluate fungal conditions, relative humidity, moisture intrusion, or other building-specific IAQ factors. Carbon dioxide concentrations were within the stated preferred range in all indoor sampling locations. Temperature readings were within the stated acceptable range at all locations except the Gym 2nd Floor by Stairs, where a temperature of 84°F was measured.

Relative humidity was within or near the stated 40–60% comfort guideline in all indoor sampling locations (measured values 42–53%).

The elevated indoor relative humidity measured during the August 24 assessment provides an additional environmental factor that should be considered when evaluating the observed variability in airborne fungal concentrations. Sustained elevated humidity can contribute to moisture accumulation and may support fungal growth on susceptible materials.

Carbon monoxide was not detected. TVOCs and PM<sub>2.5</sub> were within the stated acceptable ranges.

### **Recommendations**

See Attachment D for location-specific recommendations addressing housekeeping, moisture investigation, ventilation, HVAC operation, and follow-up evaluation where warranted.

If you have any questions, please contact us at (617) 338-2121.

Sincerely,

For *Environmental & Construction Management Services, Inc.* by,

*Holly Drum*

Holly C. Drum  
Environmental Scientist

*Stephen T. Weydt*

Stephen T. Weydt  
Principal Environmental Scientist

Attachment A – Mold Air Analytical  
Attachment B – Air Quality Index Basics  
Attachment C – Sample Location Floor Plan & Photos  
Attachment D – Recommendations

ATTACHMENT A  
MOLD AIR ANALYTICAL



# Asbestos Identification Laboratory

165 New Boston St., Ste 227  
Woburn, MA 01801  
781-932-9600

Web: [www.asbestosidentificationlab.com](http://www.asbestosidentificationlab.com)  
Email: [mikemanning@asbestosidentificationlab.com](mailto:mikemanning@asbestosidentificationlab.com)



**Batch: 260908024**

Holly Drum  
ECMS Inc.  
288 Grove Street  
#391  
Braintree, MA 2184

Project Information  
1206.017  
170 Chestnut St.,  
Amherst, MA, 01002

*Method: Based on ASTM D7391-09  
Standard Test Method for Categorization  
and Quantification of Airborne Fungal  
Structures.*

Dear Holly Drum,

Asbestos Identification Laboratory has completed the analysis of the samples from your office for the above referenced project. Analysis of Fungi in Air Samples by Direct Microscopic Examination (DME). The slide impacted with air sample is placed on a drop of lactophenol cotton blue on a clean microscope slide and subsequently scanned at x100 or x200 magnification to give the analyst an overview of sample deposition and the diversity of the spores present on the slide. The slide is then analyzed at x400 or x600 magnification by counting and identifying spores in at least 15% of the sample deposition area. Spores occurring in chains are counted individually. Raw counts are converted to spores/m<sup>3</sup> of air. A scale of 0 to 5+ is used to rate abundance of non-fungal material (debris), with 5+ indicating the largest amount. Large amounts of debris may obscure small spores. Therefore, counts from samples with 4 or higher non-fungal material may be treated as undercounts. Except for blanks, samples with no detected spores are recorded as "less than the method detection limit" (MDL). Results are not corrected for blanks. Results may include additional significant figures due to calculations, but two significant figures reflect the precision of analysis.

All samples were received in acceptable condition unless noted 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 items tested. Asbestos Identification Laboratory results represent the analysis of samples as submitted by the customer. Information regarding sample location, description, area, volume, etc., was provided by the customer. Information provided by the customer can affect the validity of results. Asbestos Identification Laboratory is not responsible for sample collection activities or analytical method limitations.

Asbestos Identification Laboratory shall have no liability to the client or the client's customer with the respect to decisions or recommendations made, actions taken or course of conduct implemented by either the client or the client's customer as a result of or based upon the Test Results. In no event shall the Laboratory be liable to the client with respect to the Test Results. Reports are kept at Asbestos Identification Laboratory for three years. All Customer information will be maintained in confidentiality. This report shall not be reproduced, except in full, without the written consent of Asbestos Identification Laboratory.

AIHA Laboratory Accreditation Program's, LLC Environmental Microbiology Laboratory Accreditation Program (EMLAP)  
Laboratory ID: LAP-200379

Thank you Holly Drum for your business.

Michael Manning  
Owner/Director  
781-932-9600

**Sampled:** September 7, 2026

**Received:** September 8, 2026

**Analyzed:** 09/09/2026

**Report Date:** September 9, 2026

**Analyzed by:**  
Eleanor Roccio

**Batch: 260908024**

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# Glossary of Terms and Color Coding

|                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Volume</b>                      | The amount of air in liters that passed through the spore trap during sampling.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Debris Rating / Particle</b>    | Most spore trap samples typically contain some non-microbial particles. High levels of non-microbial particles on a spore trap sample will bias the analysis in two ways: (1) Capture efficiency decreases. (2) Debris obscures or covers spores.                                                                                                                                                                                                                                                                                                                                |
| <b>Debris Rating 0</b>             | No particle matter detected in impaction area of spore trap.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Debris Rating 1</b>             | Minimal to approx. 5% particle matter detected in impaction area of spore trap.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Debris Rating 2</b>             | Approx. 5% to approx. 25% particle matter detected in impaction area of spore trap.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Debris Rating 3</b>             | Approx. 25% to approx. 75% particle matter detected in impaction area of spore trap.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Debris Rating 4</b>             | Approx. 75% to approx. 90% particle matter detected in impaction area of spore trap.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Debris Rating 5</b>             | Greater than approx. 90% particle matter detected in impaction area of spore trap.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Detection Limit</b>             | The detection limit refers to the smallest concentration of an analyte that can be detected by the measuring system. The smallest spore count is one spore. The detection limit is one spore, per unit of air sampled.                                                                                                                                                                                                                                                                                                                                                           |
| <b>Raw Count</b>                   | This is a listing of the fungal spores identified. This listing tells us the types of molds present. The types of spores present can give us some ideas regarding: (1) Whether the spores are toxigenic and / or allergenic. (2) Conditions that existed in the building. Some spores are so strictly associated with particular building conditions that their presence is indicative of the existence of those conditions. For example, indicators of moisture damage.                                                                                                         |
| <b>Count/M3</b>                    | These are the counts, i.e., number of spores reported as total counts per cubic meter of air.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Indoor / Outdoor Comparison</b> | Fungal spores are present outdoors as well as indoors in air, water and on or inside all kinds of organic matter. Sources of outdoor airborne spores are from decomposing organic material and to some extent soil. The main sources of fungal spores in indoor air are: (1) outdoor air carried in through doorways and windows. (2) Spores carried in on people, pets, or items brought indoors. (3) Spores that grow indoors in the presence of damp or wet conditions. Buildings without a mold problem, airborne spores are similar to outdoors but lower in concentration. |
| <b>Red</b>                         | If any spores that may indicate moisture or chronic condensation are detected, (Alternaria, Chaetomium, Stachybotris, Ulocladium) Count/M3 will be highlighted in Red.                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Orange</b>                      | If any spores that may indicate humid conditions, condensation and or poor ventilation are detected, (Aspergillus/Penicillium or Cladosporium) Count/M3 will be highlighted in Orange.                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Yellow</b>                      | If the indoor samples Count/M3 is higher than the outside sample, the Count/M3 will be highlighted in Yellow.                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Green</b>                       | If the indoor samples Count/M3 is equal to or less than the outside sample, the Count/M3 will be highlighted in Green.                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

Holly Drum  
ECMS Inc.  
288 Grove Street  
#391  
Braintree, MA 2184

Project Information  
1206.017  
170 Chestnut St.,  
Amherst, MA, 01002

Method: Based on ASTM D7391-09  
Standard Test Method for Categorization  
and Quantification of Airborne Fungal  
Structures.

| Field ID                   | 01            | Volume (L) | Debris Rating | Detection Limit | Outdoor Control |
|----------------------------|---------------|------------|---------------|-----------------|-----------------|
| Lab ID                     | 260908024-001 | 150        | 3             | 44              |                 |
| Location                   | C22-A         |            |               |                 |                 |
| Fungal Spore Type          | RawCount      | Count/M3   |               |                 |                 |
| Alternaria                 |               |            | 0             |                 |                 |
| Ascospores                 | 55            | 2444       | 31            |                 |                 |
| Aspergillus/Penicilium     | 9             | 400        | 5             |                 |                 |
| Basidiospores              | 100           | 4444       | 56            |                 |                 |
| Chaetomium                 |               |            | 0             |                 |                 |
| Cladosporium               | 8             | 356        | 5             |                 |                 |
| Curvularia                 |               |            | 0             |                 |                 |
| Drechslera/Bipolaris group |               |            | 0             |                 |                 |
| Hyphal Structures          |               |            | 0             |                 |                 |
| Miscellaneous/Unidentified | 4             | 178        | 2             |                 |                 |
| Smuts/Myxomycetes          | 1             | 44         | 1             |                 |                 |
| Stachybotrys               |               |            | 0             |                 |                 |
| Ulocladium                 |               |            | 0             |                 |                 |
| Total                      | 177           | 7867       | 100           |                 |                 |

| Field ID                   | 02            | Volume (L) | Debris Rating | Detection Limit | Outdoor Control |
|----------------------------|---------------|------------|---------------|-----------------|-----------------|
| Lab ID                     | 260908024-002 | 150        | 3             | 44              |                 |
| Location                   | C27           |            |               |                 |                 |
| Fungal Spore Type          | RawCount      | Count/M3   |               |                 |                 |
| Alternaria                 |               |            | 0             |                 |                 |
| Ascospores                 | 100           | 4444       | 45            |                 |                 |
| Aspergillus/Penicilium     | 11            | 489        | 5             |                 |                 |
| Basidiospores              | 100           | 4444       | 45            |                 |                 |
| Chaetomium                 |               |            | 0             |                 |                 |
| Cladosporium               | 1             | 44         | 0             |                 |                 |
| Curvularia                 |               |            | 0             |                 |                 |
| Drechslera/Bipolaris group |               |            | 0             |                 |                 |
| Hyphal Structures          | 2             | 89         | 1             |                 |                 |
| Miscellaneous/Unidentified | 10            | 444        | 4             |                 |                 |
| Smuts/Myxomycetes          |               |            | 0             |                 |                 |
| Stachybotrys               |               |            | 0             |                 |                 |
| Ulocladium                 |               |            | 0             |                 |                 |
| Total                      | 224           | 9956       | 100           |                 |                 |

| Field ID                   | 03            | Volume (L) | Debris Rating | Detection Limit | Outdoor Control |
|----------------------------|---------------|------------|---------------|-----------------|-----------------|
| Lab ID                     | 260908024-003 | 150        | 3             | 44              |                 |
| Location                   | Library       |            |               |                 |                 |
| Fungal Spore Type          | RawCount      | Count/M3   |               |                 |                 |
| Alternaria                 |               |            | 0             |                 |                 |
| Ascospores                 | 48            | 2133       | 27            |                 |                 |
| Aspergillus/Penicilium     | 29            | 1289       | 16            |                 |                 |
| Basidiospores              | 100           | 4444       | 56            |                 |                 |
| Chaetomium                 |               |            | 0             |                 |                 |
| Cladosporium               | 2             | 89         | 1             |                 |                 |
| Curvularia                 |               |            | 0             |                 |                 |
| Drechslera/Bipolaris group |               |            | 0             |                 |                 |
| Hyphal Structures          |               |            | 0             |                 |                 |
| Miscellaneous/Unidentified |               |            | 0             |                 |                 |
| Smuts/Myxomycetes          |               |            | 0             |                 |                 |
| Stachybotrys               |               |            | 0             |                 |                 |
| Ulocladium                 |               |            | 0             |                 |                 |
| Total                      | 179           | 7956       | 100           |                 |                 |

| Field ID                   | 04            | Volume (L) | Debris Rating | Detection Limit | Outdoor Control |
|----------------------------|---------------|------------|---------------|-----------------|-----------------|
| Lab ID                     | 260908024-004 | 150        | 3             | 44              |                 |
| Location                   | Hall by C5-A  |            |               |                 |                 |
| Fungal Spore Type          | RawCount      | Count/M3   |               |                 |                 |
| Alternaria                 |               |            | 0             |                 |                 |
| Ascospores                 | 100           | 4444       | 40            |                 |                 |
| Aspergillus/Penicilium     | 38            | 1689       | 15            |                 |                 |
| Basidiospores              | 100           | 4444       | 40            |                 |                 |
| Chaetomium                 |               |            | 0             |                 |                 |
| Cladosporium               | 3             | 133        | 1             |                 |                 |
| Curvularia                 |               |            | 0             |                 |                 |
| Drechslera/Bipolaris group |               |            | 0             |                 |                 |
| Hyphal Structures          | 1             | 44         | 0             |                 |                 |
| Miscellaneous/Unidentified | 7             | 311        | 3             |                 |                 |
| Smuts/Myxomycetes          |               |            | 0             |                 |                 |
| Stachybotrys               |               |            | 0             |                 |                 |
| Ulocladium                 |               |            | 0             |                 |                 |
| Total                      | 249           | 11067      | 100           |                 |                 |

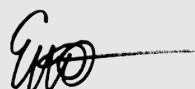
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Eleanor Roccio



Batch: 260908024

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Holly Drum  
ECMS Inc.  
288 Grove Street  
#391  
Braintree, MA 2184

Project Information  
1206.017  
170 Chestnut St.,  
Amherst, MA, 01002

Method: Based on ASTM D7391-09  
Standard Test Method for Categorization  
and Quantification of Airborne Fungal  
Structures.

| Field ID                   | 05                | Volume (L) | Debris Rating | Detection Limit | Outdoor Control |
|----------------------------|-------------------|------------|---------------|-----------------|-----------------|
| Lab ID                     | 260908024-005     | 150        | 4             | 44              |                 |
| Location                   | Monumental Stairs |            |               |                 |                 |
| Fungal Spore Type          | RawCount          | Count/M3   | %             |                 |                 |
| Alternaria                 |                   |            | 0             |                 |                 |
| Ascospores                 | 100               | 4444       | 38            |                 |                 |
| Aspergillus/Penicilium     | 38                | 1689       | 14            |                 |                 |
| Basidiospores              | 100               | 4444       | 38            |                 |                 |
| Chaetomium                 |                   |            | 0             |                 |                 |
| Cladosporium               | 20                | 889        | 8             |                 |                 |
| Curvularia                 |                   |            | 0             |                 |                 |
| Drechslera/Bipolaris group |                   |            | 0             |                 |                 |
| Hyphal Structures          |                   |            | 0             |                 |                 |
| Miscellaneous/Unidentified | 6                 | 267        | 2             |                 |                 |
| Smuts/Myxomycetes          |                   |            | 0             |                 |                 |
| Stachybotrys               |                   |            | 0             |                 |                 |
| Ulocladium                 |                   |            | 0             |                 |                 |
| Total                      | 264               | 11733      | 100           |                 |                 |

| Field ID                   | 06            | Volume (L) | Debris Rating | Detection Limit | Outdoor Control |
|----------------------------|---------------|------------|---------------|-----------------|-----------------|
| Lab ID                     | 260908024-006 | 150        | 3             | 44              |                 |
| Location                   | Art-1         |            |               |                 |                 |
| Fungal Spore Type          | RawCount      | Count/M3   | %             |                 |                 |
| Alternaria                 | 1             | 44         | 0             |                 |                 |
| Ascospores                 | 100           | 4444       | 38            |                 |                 |
| Aspergillus/Penicilium     | 41            | 1822       | 16            |                 |                 |
| Basidiospores              | 100           | 4444       | 38            |                 |                 |
| Chaetomium                 |               |            | 0             |                 |                 |
| Cladosporium               | 19            | 844        | 7             |                 |                 |
| Curvularia                 |               |            | 0             |                 |                 |
| Drechslera/Bipolaris group |               |            | 0             |                 |                 |
| Hyphal Structures          |               |            | 0             |                 |                 |
| Miscellaneous/Unidentified | 2             | 89         | 1             |                 |                 |
| Smuts/Myxomycetes          |               |            | 0             |                 |                 |
| Stachybotrys               |               |            | 0             |                 |                 |
| Ulocladium                 |               |            | 0             |                 |                 |
| Total                      | 263           | 11689      | 100           |                 |                 |

| Field ID                   | 07            | Volume (L) | Debris Rating | Detection Limit | Outdoor Control |
|----------------------------|---------------|------------|---------------|-----------------|-----------------|
| Lab ID                     | 260908024-007 | 150        | 3             | 44              |                 |
| Location                   | Info Systems  |            |               |                 |                 |
| Fungal Spore Type          | RawCount      | Count/M3   | %             |                 |                 |
| Alternaria                 |               |            | 0             |                 |                 |
| Ascospores                 | 100           | 4444       | 34            |                 |                 |
| Aspergillus/Penicilium     | 86            | 3822       | 29            |                 |                 |
| Basidiospores              | 100           | 4444       | 34            |                 |                 |
| Chaetomium                 |               |            | 0             |                 |                 |
| Cladosporium               | 8             | 356        | 3             |                 |                 |
| Curvularia                 |               |            | 0             |                 |                 |
| Drechslera/Bipolaris group |               |            | 0             |                 |                 |
| Hyphal Structures          | 2             | 89         | 1             |                 |                 |
| Miscellaneous/Unidentified | 1             | 44         | 0             |                 |                 |
| Smuts/Myxomycetes          |               |            | 0             |                 |                 |
| Stachybotrys               |               |            | 0             |                 |                 |
| Ulocladium                 |               |            | 0             |                 |                 |
| Total                      | 297           | 13200      | 100           |                 |                 |

| Field ID                   | 08            | Volume (L) | Debris Rating | Detection Limit | Outdoor Control |
|----------------------------|---------------|------------|---------------|-----------------|-----------------|
| Lab ID                     | 260908024-008 | 150        | 3             | 44              |                 |
| Location                   | Kitchen       |            |               |                 |                 |
| Fungal Spore Type          | RawCount      | Count/M3   | %             |                 |                 |
| Alternaria                 |               |            | 0             |                 |                 |
| Ascospores                 | 75            | 3333       | 31            |                 |                 |
| Aspergillus/Penicilium     | 49            | 2178       | 20            |                 |                 |
| Basidiospores              | 100           | 4444       | 42            |                 |                 |
| Chaetomium                 |               |            | 0             |                 |                 |
| Cladosporium               | 15            | 667        | 6             |                 |                 |
| Curvularia                 |               |            | 0             |                 |                 |
| Drechslera/Bipolaris group |               |            | 0             |                 |                 |
| Hyphal Structures          |               |            | 0             |                 |                 |
| Miscellaneous/Unidentified | 1             | 44         | 0             |                 |                 |
| Smuts/Myxomycetes          |               |            | 0             |                 |                 |
| Stachybotrys               |               |            | 0             |                 |                 |
| Ulocladium                 |               |            | 0             |                 |                 |
| Total                      | 240           | 10667      | 100           |                 |                 |

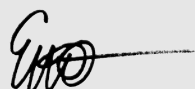
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Eleanor Roccio



Batch: 260908024

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Holly Drum  
ECMS Inc.  
288 Grove Street  
#391  
Braintree, MA 2184

Project Information  
1206.017  
170 Chestnut St.,  
Amherst, MA, 01002

Method: Based on ASTM D7391-09  
Standard Test Method for Categorization  
and Quantification of Airborne Fungal  
Structures.

| Field ID                   | 09              | Volume (L) | Debris Rating | Detection Limit | Outdoor Control |
|----------------------------|-----------------|------------|---------------|-----------------|-----------------|
| Lab ID                     | 260908024-009   | 150        | 4             | 44              |                 |
| Location                   | Hall by Court 2 |            |               |                 |                 |
| Fungal Spore Type          | RawCount        | Count/M3   |               |                 |                 |
| Alternaria                 |                 |            | 0             |                 |                 |
| Ascospores                 | 78              | 3467       | 26            |                 |                 |
| Aspergillus/Penicilium     | 37              | 1644       | 12            |                 |                 |
| Basidiospores              | 100             | 4444       | 33            |                 |                 |
| Chaetomium                 |                 |            | 0             |                 |                 |
| Cladosporium               | 12              | 533        | 4             |                 |                 |
| Curvularia                 | 1               | 44         | 0             |                 |                 |
| Drechslera/Bipolaris group |                 |            | 0             |                 |                 |
| Hyphal Structures          | 11              | 489        | 4             |                 |                 |
| Miscellaneous/Unidentified | 48              | 2133       | 16            |                 |                 |
| Smuts/Myxomycetes          | 16              | 711        | 5             |                 |                 |
| Stachybotrys               |                 |            | 0             |                 |                 |
| Ulocladium                 |                 |            | 0             |                 |                 |
| Total                      | 303             | 13467      | 100           |                 |                 |

| Field ID                   | 10              | Volume (L) | Debris Rating | Detection Limit | Outdoor Control |
|----------------------------|-----------------|------------|---------------|-----------------|-----------------|
| Lab ID                     | 260908024-010   | 150        | 3             | 44              |                 |
| Location                   | Hall by Court 1 |            |               |                 |                 |
| Fungal Spore Type          | RawCount        | Count/M3   |               |                 |                 |
| Alternaria                 |                 |            | 0             |                 |                 |
| Ascospores                 | 65              | 2889       | 26            |                 |                 |
| Aspergillus/Penicilium     | 39              | 1733       | 16            |                 |                 |
| Basidiospores              | 100             | 4444       | 40            |                 |                 |
| Chaetomium                 |                 |            | 0             |                 |                 |
| Cladosporium               | 5               | 222        | 2             |                 |                 |
| Curvularia                 | 2               | 89         | 1             |                 |                 |
| Drechslera/Bipolaris group |                 |            | 0             |                 |                 |
| Hyphal Structures          | 4               | 178        | 2             |                 |                 |
| Miscellaneous/Unidentified | 25              | 1111       | 10            |                 |                 |
| Smuts/Myxomycetes          | 11              | 489        | 4             |                 |                 |
| Stachybotrys               |                 |            | 0             |                 |                 |
| Ulocladium                 |                 |            | 0             |                 |                 |
| Total                      | 251             | 11156      | 100           |                 |                 |

| Field ID                   | 11            | Volume (L) | Debris Rating | Detection Limit | Outdoor Control |
|----------------------------|---------------|------------|---------------|-----------------|-----------------|
| Lab ID                     | 260908024-011 | 150        | 3             | 44              |                 |
| Location                   | Gym Lobby     |            |               |                 |                 |
| Fungal Spore Type          | RawCount      | Count/M3   |               |                 |                 |
| Alternaria                 |               |            | 0             |                 |                 |
| Ascospores                 | 100           | 4444       | 39            |                 |                 |
| Aspergillus/Penicilium     | 39            | 1733       | 15            |                 |                 |
| Basidiospores              | 100           | 4444       | 39            |                 |                 |
| Chaetomium                 |               |            | 0             |                 |                 |
| Cladosporium               | 9             | 400        | 4             |                 |                 |
| Curvularia                 |               |            | 0             |                 |                 |
| Drechslera/Bipolaris group |               |            | 0             |                 |                 |
| Hyphal Structures          | 1             | 44         | 0             |                 |                 |
| Miscellaneous/Unidentified | 6             | 267        | 2             |                 |                 |
| Smuts/Myxomycetes          |               |            | 0             |                 |                 |
| Stachybotrys               |               |            | 0             |                 |                 |
| Ulocladium                 |               |            | 0             |                 |                 |
| Total                      | 255           | 11333      | 100           |                 |                 |

| Field ID                   | 12                      | Volume (L) | Debris Rating | Detection Limit | Outdoor Control |
|----------------------------|-------------------------|------------|---------------|-----------------|-----------------|
| Lab ID                     | 260908024-012           | 150        | 3             | 44              |                 |
| Location                   | Gym 2nd Floor by Stairs |            |               |                 |                 |
| Fungal Spore Type          | RawCount                | Count/M3   |               |                 |                 |
| Alternaria                 |                         |            | 0             |                 |                 |
| Ascospores                 | 73                      | 3244       | 35            |                 |                 |
| Aspergillus/Penicilium     | 14                      | 622        | 7             |                 |                 |
| Basidiospores              | 100                     | 4444       | 49            |                 |                 |
| Chaetomium                 |                         |            | 0             |                 |                 |
| Cladosporium               | 7                       | 311        | 3             |                 |                 |
| Curvularia                 | 1                       | 44         | 0             |                 |                 |
| Drechslera/Bipolaris group | 1                       | 44         | 0             |                 |                 |
| Hyphal Structures          | 1                       | 44         | 0             |                 |                 |
| Miscellaneous/Unidentified | 9                       | 400        | 4             |                 |                 |
| Smuts/Myxomycetes          |                         |            | 0             |                 |                 |
| Stachybotrys               |                         |            | 0             |                 |                 |
| Ulocladium                 |                         |            | 0             |                 |                 |
| Total                      | 206                     | 9156       | 100           |                 |                 |

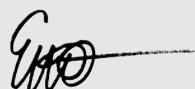
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Batch: 260908024

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Holly Drum  
ECMS Inc.  
288 Grove Street  
#391  
Braintree, MA 2184

Project Information  
1206.017  
170 Chestnut St.,  
Amherst, MA, 01002

Method: Based on ASTM D7391-09  
Standard Test Method for Categorization  
and Quantification of Airborne Fungal  
Structures.

| Field ID                   | 13            | Volume (L) | Debris Rating | Detection Limit | Outdoor Control |
|----------------------------|---------------|------------|---------------|-----------------|-----------------|
| Lab ID                     | 260908024-013 | 150        | 3             | 44              | x               |
| Location                   | Outdoor       |            |               |                 |                 |
| Fungal Spore Type          |               | RawCount   | Count/M3      | %               |                 |
| Alternaria                 |               | 1          | 44            | 0               |                 |
| Ascospores                 |               | 100        | 4444          | 40              |                 |
| Aspergillus/Penicilium     |               | 2          | 89            | 1               |                 |
| Basidiospores              |               | 100        | 4444          | 40              |                 |
| Chaetomium                 |               |            |               | 0               |                 |
| Cladosporium               |               | 42         | 1867          | 17              |                 |
| Curvularia                 |               |            |               | 0               |                 |
| Drechslera/Bipolaris group |               |            |               | 0               |                 |
| Hyphal Structures          |               | 2          | 89            | 1               |                 |
| Miscellaneous/Unidentified |               | 3          | 133           | 1               |                 |
| Smuts/Myxomycetes          |               | 2          | 89            | 1               |                 |
| Stachybotrys               |               |            |               | 0               |                 |
| Ulocladium                 |               |            |               | 0               |                 |
| Total                      |               | 252        | 11200         | 100             |                 |

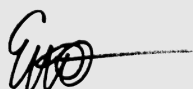
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# Glossary of Fungal Spores

|                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Alternaria</b>              | Is a common outdoor and indoor mold. Alternaria is an indicator of moisture or chronic condensation. Alternaria species are known as major plant pathogens. They are also common allergens in humans, growing indoors and causing hay fever or hypersensitivity reactions that sometimes lead to asthma. They readily cause opportunistic infections in immunocompromised people such as AIDS patients. Causes hypersensitivity pneumonitis and bronchitis. Alternaria is regarded as the main cause of allergy and asthma in children aged 6-11 years. They are known to produce over 70 various mycotoxins.                                                                                                                                                                                                                              |
| <b>Ascospore</b>               | An ascospore is a spore contained in an ascus or that is produced inside an ascus by a member of the Ascomycota phylum. Ascospores are formed under optimal condition and are often release when relative humidity is high. There are over 64,000 different species of fungus that produce ascospores.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Aspergillus/Penicillium</b> | Are common outdoor and indoor mold. These spores are combined because the spores are so similar they cannot be reliably separated into their respective genera. Aspergillus species are common contaminants of starchy foods ( such as bread and potatoes) and grow in or on many plants and trees. Some can cause infections in humans or other animals. Penicillium species are present in the air and dust of indoor environments, such a homes and public buildings. The fungus can be readily transported from the outdoors, and grow indoors using building material or accumulated soil to obtain nutrients for growth. Aspergillus/Penicillium are indicators of moisture or chronic condensation. They also show presence of significant amounts of toxigenic (toxin producers) and/or allergenic (causing allergenic reactions). |
| <b>Basidiospores</b>           | A Basidiospore is a reproductive spore produced by Basidiomycete fungi, a grouping that includes mushrooms, shelf fungi, rusts, and smuts. These spores serve as the main air dispersal units for the fungi. The spores are released during periods of high humidity.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Chaetomium</b>              | Chaetomium is a genus of fungi in the chaetomiaceae family. It is a dark walled mold normally found in soil, air, cellulose and plant debris. It is an indicator of moisture or chronic condensation. They also show presence of significant amounts of toxigenic (toxin producers) and/or allergenic ( causing allergenic reactions). Often found together with Stachybotrys.                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Cladosporium</b>            | Cladosporium is a genus of fungi including some of the most common indoor and outdoor molds. Many species of Cladosporium are commonly found on living and dead plant material. Cladosporium spores are wind-dispersed and they are often extremely abundant in outdoor air. Indoors Cladosporium species may grow on surfaces when moisture is present. They also show presence of significant amounts of toxigenic (toxin producers) and/or allergenic (causing allergenic reactions).                                                                                                                                                                                                                                                                                                                                                   |
| <b>Curvularia</b>              | Curvularia is a mold fungus which is a facultative pathogen of many plant species and common in soil and decaying plant matter. Curvularia can be a potential allergen to human beings, but usually don't pose a major health effect to healthy people. Curvularia is not known to produce any mycotoxins that can be harmful to people. Immunocompromised humans can develop adverse health issues due to exposure to Curvularia.                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Drechslera/Bipolaris</b>    | Two genera of fungi having similar cylindrical spores. Drechslera is a genus of fungi. Many of the species in this genus are plant pathogens. Bipolaris is a common outdoor mold that thrives in decaying plant matter. Bipolaris is also known as a plant pathogen that grows on grasses. Although some people may have an allergy to Bipolaris, it normally doesn't have an adverse effect on humans. Bipolaris would potentially endanger people who are immunocompromised (having HIV or AIDS).                                                                                                                                                                                                                                                                                                                                        |
| <b>Hyphal Structure</b>        | A Hypha is a long, branching filamentous structure of fungus. In most fungi, hyphae are the main mode of vegetative growth, and are collective called a mycelium.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Miscellaneous/Unidentif</b> | Fungal structure having characteristics inconsistent with all reported categories.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Smuts/Myxomycetes</b>       | The Smuts are multicellular fungi characterized by their large numbers of teliospores. The Smuts get their name from a Germanic word for dirt because of their dark, thick-walled, and dust-like teliospores. The Smuts are grouped with Myxomycetes because of their commonalities concerning sexual reproduction. Smuts are cereal and crop pathogens that most notably affect members of the grass family and sedges.                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Stachybotrys</b>            | Stachybotrys is a genus of molds. Historically, it was considered closely related to the genus Memnoniella, because the spores are produced in slimy heads rather than in dry chains. A species is known as "black mold" and are frequently associated with poor indoor air quality that arises after fungal growth on water-damaged building materials. They also show presence of significant amounts of toxigenic (toxin producers) and/or allergenic (causing allergenic reactions). It has been implicated as cause of: asthma attacks, conjunctivitis, inflammation of the mucus membranes of the respiratory system and skin irritation.                                                                                                                                                                                            |
| <b>Ulocladium</b>              | Ulocladium is a genus of fungi. Species of this genus contain both plant pathogens and food spoilage agents. Some members of the genus can invade homes and are a sign of moisture because the mold requires water to thrive. They can cause plant diseases or hay fever and more serious infections in immune-suppressed individuals. They also show presence of significant amounts of toxigenic (toxin producers) and/or allergenic (causing allergenic reactions).                                                                                                                                                                                                                                                                                                                                                                     |

Holly Drum  
ECMS Inc.  
288 Grove Street  
#391  
Braintree, MA 2184

Project Information  
1206.017  
170 Chestnut St.,  
Amherst, MA, 01002

*Method: Based on ASTM D7391-09  
Standard Test Method for Categorization  
and Quantification of Airborne Fungal  
Structures.*

## References

The Air Spora by Maureen E. Lacey and Jonathan S. West

Centers for Disease Control and Prevention

ASTM International

MBL Mold and Bacteria Laboratories

Bassett, I.J., C.W. Crompton, and J.A. Parmelee. 1978. An atlas of  
airborne pollen grains and common fungus spores of Canada.  
Canada Department of Agriculture Monograph 18: 1-321.

**Sampled:** September 7, 2026

**Received:** September 8, 2026

**Analyzed:** 09/09/2026

**Report Date:** September 9, 2026

**Analyzed by:**  
Eleanor Roccio



**Batch:** 260908024

Page 8 of 8

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                       |                                                                                                                                                                                                                                                                                |                                                                                                                    |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|
| <b>Client:</b> ECMS, Inc.<br><b>Address:</b> 288 Grove St, #391, Braintree, MA 02184<br><b>Project Site:</b> 1206 017 Archibald Pkham,<br>170 Chestnut St., Amherst,<br>MA 01002<br><b>Contact:</b> Holly Drum<br><b>Phone:</b> (508) 231-7015<br><b>Email:</b> steve.weydt@ecmsinc.com/holly.drum@ecmsinc.com<br><b>Relinquish by/date:</b> <u>WCS 09/07/2026</u><br><b>Received by/date:</b> <u>WCS 9/8/26 8:30am</u><br><b># of Samples Received:</b> <u>13</u> |                                                                                                       | <b>CHAIN OF CUSTODY - MOLD</b><br><b>SanAir Technologies Laboratory, Inc.</b><br><b>165 New Boston Street</b><br><b>Suite 227</b><br><b>Woburn, MA 01801</b><br><b>(781) 932-9600</b><br> |                                                                                                                    |
| <b>Date Sampled:</b> 09/07/2026<br><b>Prepped By:</b> <u>[Signature]</u><br><b>Date Analyzed:</b> <u>September 9, 2026</u><br><b>Batch No.:</b> <u>260908024</u>                                                                                                                                                                                                                                                                                                   |                                                                                                       | <b>Analyzed by:</b> <u>[Signature]</u><br><b>Microscope:</b> <u>229914</u><br><b>Stain Lot:</b> <u>260908024</u>                                                                                                                                                               |                                                                                                                    |
| <b>Client Sample No.</b><br><b>Location</b><br><b>Volume in Liters</b>                                                                                                                                                                                                                                                                                                                                                                                             | <b>01</b><br><b>C22-A</b><br><b>150</b>                                                               | <b>02</b><br><b>C27</b><br><b>150</b>                                                                                                                                                                                                                                          | <b>03</b><br><b>Library</b><br><b>150</b>                                                                          |
| <b>04</b><br><b>Hall by C5-A</b><br><b>150</b>                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                       |                                                                                                                                                                                                                                                                                |                                                                                                                    |
| <b>LAB USE ONLY: Data Review: <u>ERR-09/26</u> QC Review: <u>N/A</u></b>                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                       |                                                                                                                                                                                                                                                                                |                                                                                                                    |
| <b>Lab Sample ID</b><br><b>Debris Rating</b><br><b>Fungal Spores Identified</b>                                                                                                                                                                                                                                                                                                                                                                                    | <b>3</b><br><b>001</b><br><b>3</b>                                                                    | <b>3</b><br><b>002</b><br><b>3</b>                                                                                                                                                                                                                                             | <b>3</b><br><b>003</b><br><b>3</b>                                                                                 |
| <b>Alternaria</b><br><b>Ascopores</b><br><b>Aspergillus/Penicillium</b><br><b>Basidiospores</b><br><b>Chaetomium</b><br><b>Cladosporium</b><br><b>Curvularia</b><br><b>Drechslera/Bipolaris group</b><br><b>Hyphal Structures</b><br><b>Miscellaneous/Unidentified</b><br><b>Smuts/Myxomycetes</b><br><b>Stachybotrys</b><br><b>Ulocladium</b>                                                                                                                     | <b>55</b><br><b>9</b><br><b>100</b><br><b>100</b><br><b>8</b><br><br><br><br><br><b>4</b><br><b>1</b> | <b>100</b><br><b>11</b><br><b>100</b><br><b>100</b><br><b>1</b><br><br><br><br><br><b>2</b><br><b>10</b>                                                                                                                                                                       | <b>48</b><br><b>29</b><br><b>100</b><br><b>100</b><br><b>2</b><br><br><br><br><br><br><br><br><b>1</b><br><b>7</b> |
| <b>Raw Count/Fungal Load</b>                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                       |                                                                                                                                                                                                                                                                                |                                                                                                                    |

DUE BY:  
SEP 09 2026

Report Created by: [Signature] 9/8/26 8:30am

Report Typed by: [Signature]

Report Authorized by: \_\_\_\_\_

Report Sent by: \_\_\_\_\_

Form #027  
Revision 5  
Revision Date 6/29/2026

Comments:

|                                                                                                                                                         |          |                                                                                                                         |          |                                                                                                                                                                                                                              |          |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------------------------------------------------------------------------------------------------------------------------|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>Client:</b> ECMS, Inc.                                                                                                                               |          | <b>CHAIN OF CUSTODY - MOLD</b>                                                                                          |          | <b>Type</b><br><input checked="" type="checkbox"/> Spore Trap<br><input type="checkbox"/> Direct Read                                                                                                                        |          |
| <b>Address:</b> 288 Grove St, #391, Braintree, MA 02184                                                                                                 |          | <b>SanAir Technologies Laboratory, Inc.</b><br>165 New Boston Street<br>Suite 227<br>Woburn, MA 01801<br>(781) 932-9600 |          | <b>Turnaround Time</b><br><input type="checkbox"/> Less 3 Hrs<br><input type="checkbox"/> Same Day<br><input checked="" type="checkbox"/> Next Day<br><input type="checkbox"/> Two Day<br><input type="checkbox"/> Three Day |          |
| <b>Project Site:</b> 1206/017 Amherst Pelham,<br>170 Chestnut St., Amherst,<br>MA 01002                                                                 |          | <b>Date Sampled:</b> 09/07/2026                                                                                         |          |                                                                                                                                                                                                                              |          |
| <b>Contact:</b> Holly Drum                                                                                                                              |          | <b>Prepped By:</b>                                                                                                      |          | <b>Analyzed by:</b>                                                                                                                                                                                                          |          |
| <b>Phone:</b> (508) 231-7015                                                                                                                            |          | <b>Date Analyzed:</b>                                                                                                   |          |                                                                                                                                                                                                                              |          |
| <b>Email:</b> <a href="mailto:steve.veydt@ecmsinc.com">steve.veydt@ecmsinc.com</a> / <a href="mailto:holly.drum@ecmsinc.com">holly.drum@ecmsinc.com</a> |          | <b>Batch No.:</b>                                                                                                       |          |                                                                                                                                                                                                                              |          |
| <b>Received by/date:</b>                                                                                                                                |          | <b>06</b>                                                                                                               |          | <b>07</b>                                                                                                                                                                                                                    |          |
| <b># of Samples Received:</b>                                                                                                                           |          | <b>05</b>                                                                                                               |          | <b>08</b>                                                                                                                                                                                                                    |          |
| <b>Client Sample No.</b>                                                                                                                                |          | <b>Monumental Stairs</b>                                                                                                |          | <b>Info Systems</b>                                                                                                                                                                                                          |          |
| <b>Volume in Liters</b>                                                                                                                                 |          | <b>150</b>                                                                                                              |          | <b>150</b>                                                                                                                                                                                                                   |          |
| <b>LAB USE ONLY: Data Review:</b>                                                                                                                       |          | <b>QC Review:</b>                                                                                                       |          | <b>Stain Lot:</b>                                                                                                                                                                                                            |          |
| <b>Lab Sample ID</b>                                                                                                                                    | <b>4</b> | <b>005</b>                                                                                                              | <b>3</b> | <b>006</b>                                                                                                                                                                                                                   | <b>3</b> |
| <b>Debris Rating</b>                                                                                                                                    |          |                                                                                                                         |          |                                                                                                                                                                                                                              |          |
| <b>Fungal Spores Identified</b>                                                                                                                         |          |                                                                                                                         |          |                                                                                                                                                                                                                              |          |
| Alternaria                                                                                                                                              |          |                                                                                                                         |          |                                                                                                                                                                                                                              |          |
| Ascospores                                                                                                                                              |          |                                                                                                                         |          |                                                                                                                                                                                                                              |          |
| Aspergillus/Penicillium                                                                                                                                 |          |                                                                                                                         |          |                                                                                                                                                                                                                              |          |
| Basidiospores                                                                                                                                           |          |                                                                                                                         |          |                                                                                                                                                                                                                              |          |
| Chaetomium                                                                                                                                              |          |                                                                                                                         |          |                                                                                                                                                                                                                              |          |
| Cladosporium                                                                                                                                            |          |                                                                                                                         |          |                                                                                                                                                                                                                              |          |
| Curvularia                                                                                                                                              |          |                                                                                                                         |          |                                                                                                                                                                                                                              |          |
| Drechslera/Bipolaris group                                                                                                                              |          |                                                                                                                         |          |                                                                                                                                                                                                                              |          |
| Hyphal Structures                                                                                                                                       |          |                                                                                                                         |          |                                                                                                                                                                                                                              |          |
| Miscellaneous/Unidentified                                                                                                                              |          |                                                                                                                         |          |                                                                                                                                                                                                                              |          |
| Smuts/Myxomycetes                                                                                                                                       |          |                                                                                                                         |          |                                                                                                                                                                                                                              |          |
| Stachybotrys                                                                                                                                            |          |                                                                                                                         |          |                                                                                                                                                                                                                              |          |
| Ulocladium                                                                                                                                              |          |                                                                                                                         |          |                                                                                                                                                                                                                              |          |

Report Created by:

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Comments:

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|---------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|
| <b>Client:</b> ECMS, Inc.                                                                                                                               |                       | <b>CHAIN OF CUSTODY - MOLD</b>                                                                                                                                                                                   |                       |                                                                                                                                                                                                                              |   |
| <b>Address:</b> 288 Grove St, #391, Braintree, MA 02184                                                                                                 |                       | <b>SanAir Technologies Laboratory, Inc.</b><br>165 New Boston Street<br>Suite 227<br>Woburn, MA 01801<br>(781) 932-9600<br> |                       |                                                                                                                                                                                                                              |   |
| <b>Project Site:</b> 1206 017 Ambertel Parkway,<br>170 Chestnut St., Amherst,<br>MA 01002                                                               |                       | <b>Date Sampled:</b> 09/07/2026                                                                                                                                                                                  |                       | <b>Type</b><br><input checked="" type="checkbox"/> Spore Trap<br><input type="checkbox"/> Direct Read                                                                                                                        |   |
| <b>Contact:</b> Holly Drum                                                                                                                              |                       | <b>Prepped By:</b>                                                                                                                                                                                               |                       | <b>Analyzed by:</b>                                                                                                                                                                                                          |   |
| <b>Phone:</b> (508) 231-7015                                                                                                                            |                       | <b>Date Analyzed:</b>                                                                                                                                                                                            |                       | <b>Turnaround Time</b><br><input type="checkbox"/> Less 3 Hrs<br><input checked="" type="checkbox"/> Same Day<br><input type="checkbox"/> Next Day<br><input type="checkbox"/> Two Day<br><input type="checkbox"/> Three Day |   |
| <b>Email:</b> <a href="mailto:steve.weydt@ecmsinc.com">steve.weydt@ecmsinc.com</a> / <a href="mailto:holly.drum@ecmsinc.com">holly.drum@ecmsinc.com</a> |                       | <b>Batch No.:</b>                                                                                                                                                                                                |                       |                                                                                                                                                                                                                              |   |
| <b>Relinquish by/date:</b>                                                                                                                              |                       |                                                                                                                                                                                                                  |                       |                                                                                                                                                                                                                              |   |
| <b>Received by/date:</b>                                                                                                                                |                       |                                                                                                                                                                                                                  |                       |                                                                                                                                                                                                                              |   |
| <b># of Samples Received:</b>                                                                                                                           |                       |                                                                                                                                                                                                                  |                       |                                                                                                                                                                                                                              |   |
| <b>Client Sample No.</b>                                                                                                                                | 09                    | <b>10</b>                                                                                                                                                                                                        | <b>11</b>             | <b>12</b>                                                                                                                                                                                                                    |   |
| <b>Location</b>                                                                                                                                         | Hall by Court 2       | Hall by Court 1                                                                                                                                                                                                  | Gym Lobby             | Gym 2nd Floor by Stairs                                                                                                                                                                                                      |   |
| <b>Volume in Liters</b>                                                                                                                                 | 150                   | 150                                                                                                                                                                                                              | 150                   | 150                                                                                                                                                                                                                          |   |
| <b>LAB USE ONLY: Data Review:</b>                                                                                                                       |                       | <b>QC Review:</b>                                                                                                                                                                                                |                       | <b>Microscope:</b>                                                                                                                                                                                                           |   |
| <b>Stain Lot:</b>                                                                                                                                       |                       |                                                                                                                                                                                                                  |                       |                                                                                                                                                                                                                              |   |
| <b>Lab Sample ID</b>                                                                                                                                    | 4                     | 3                                                                                                                                                                                                                | 3                     | 3                                                                                                                                                                                                                            | 3 |
| <b>Debris Rating</b>                                                                                                                                    | 009                   | 010                                                                                                                                                                                                              | 011                   | 012                                                                                                                                                                                                                          |   |
| <b>Fungal Spores Identified</b>                                                                                                                         | Raw Count/Fungal Load | Raw Count/Fungal Load                                                                                                                                                                                            | Raw Count/Fungal Load | Raw Count/Fungal Load                                                                                                                                                                                                        |   |
| Alternaria                                                                                                                                              |                       |                                                                                                                                                                                                                  |                       |                                                                                                                                                                                                                              |   |
| Ascospores                                                                                                                                              | 78                    | 65                                                                                                                                                                                                               | 100                   | 73                                                                                                                                                                                                                           |   |
| Aspergillus/Penicillium                                                                                                                                 | 34                    | 39                                                                                                                                                                                                               | 39                    | 14                                                                                                                                                                                                                           |   |
| Basidiospores                                                                                                                                           | 100                   | 100                                                                                                                                                                                                              | 100                   | 100                                                                                                                                                                                                                          |   |
| Chaetomium                                                                                                                                              |                       |                                                                                                                                                                                                                  |                       |                                                                                                                                                                                                                              |   |
| Cladosporium                                                                                                                                            | 12                    | 5                                                                                                                                                                                                                | 9                     | 7                                                                                                                                                                                                                            |   |
| Curvularia                                                                                                                                              | 1                     | 2                                                                                                                                                                                                                |                       | 1                                                                                                                                                                                                                            |   |
| Drechslera/Bipolaris group                                                                                                                              |                       |                                                                                                                                                                                                                  |                       | 1                                                                                                                                                                                                                            |   |
| Hyphal Structures                                                                                                                                       | 11                    | 4                                                                                                                                                                                                                | 1                     | 1                                                                                                                                                                                                                            |   |
| Miscellaneous/Unidentified                                                                                                                              | 48                    | 25                                                                                                                                                                                                               | 6                     | 9                                                                                                                                                                                                                            |   |
| Smuts/Myxomycetes                                                                                                                                       | 16                    | 11                                                                                                                                                                                                               |                       |                                                                                                                                                                                                                              |   |
| Stachybotrys                                                                                                                                            |                       |                                                                                                                                                                                                                  |                       |                                                                                                                                                                                                                              |   |
| Ulocladium                                                                                                                                              |                       |                                                                                                                                                                                                                  |                       |                                                                                                                                                                                                                              |   |

Report Created by:

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Comments:

|                                                                                                                                                       |                 |                                                                                                                                                                                                                                                        |                              |                                                                                                                                                                                                                                                                                                                             |                              |
|-------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|
| <b>Client:</b> ECMS, Inc.                                                                                                                             |                 | <b>CHAIN OF CUSTODY - MOLD</b><br><br><b>SanAir Technologies Laboratory, Inc.</b><br>165 New Boston Street<br>Suite 227<br>Woburn, MA 01801<br>(781) 932-9600<br> |                              | Type<br><input checked="" type="checkbox"/> Spore Trap<br><input type="checkbox"/> Direct Read<br><br>Turnaround Time<br><input type="checkbox"/> Less 3 Hrs<br><input type="checkbox"/> Same Day<br><input checked="" type="checkbox"/> Next Day<br><input type="checkbox"/> Two Day<br><input type="checkbox"/> Three Day |                              |
| <b>Address:</b> 288 Grove St, #391, Braintree, MA 02184                                                                                               |                 |                                                                                                                                                                                                                                                        |                              |                                                                                                                                                                                                                                                                                                                             |                              |
| <b>Project Site:</b> 1206.017 Amherst Pelham, 170 Chestnut St., Amherst, MA 01002                                                                     |                 |                                                                                                                                                                                                                                                        |                              |                                                                                                                                                                                                                                                                                                                             |                              |
| <b>Contact:</b> Holly Drum                                                                                                                            |                 |                                                                                                                                                                                                                                                        |                              |                                                                                                                                                                                                                                                                                                                             |                              |
| <b>Phone:</b> (508) 231-7015                                                                                                                          |                 |                                                                                                                                                                                                                                                        |                              |                                                                                                                                                                                                                                                                                                                             |                              |
| <b>Email:</b> <a href="mailto:steve.weydt@ecmsinc.com">steve.weydt@ecmsinc.com</a> <a href="mailto:holly.drum@ecmsinc.com">holly.drum@ecmsinc.com</a> |                 | <b>Date Sampled:</b> 09/07/2026                                                                                                                                                                                                                        |                              | <b>Analyzed by:</b>                                                                                                                                                                                                                                                                                                         |                              |
| <b>Relinquish by/date:</b>                                                                                                                            |                 | <b>Prepped By:</b>                                                                                                                                                                                                                                     |                              | <b>Date Analyzed:</b>                                                                                                                                                                                                                                                                                                       |                              |
| <b>Received by/date:</b>                                                                                                                              |                 | <b>Batch No.:</b>                                                                                                                                                                                                                                      |                              |                                                                                                                                                                                                                                                                                                                             |                              |
| <b># of Samples Received:</b>                                                                                                                         |                 |                                                                                                                                                                                                                                                        |                              |                                                                                                                                                                                                                                                                                                                             |                              |
| <b>Client Sample No.</b>                                                                                                                              | 13              |                                                                                                                                                                                                                                                        |                              |                                                                                                                                                                                                                                                                                                                             |                              |
| <b>Location</b>                                                                                                                                       | Outside Control |                                                                                                                                                                                                                                                        |                              |                                                                                                                                                                                                                                                                                                                             |                              |
| <b>Volume in Liters</b>                                                                                                                               | 150             |                                                                                                                                                                                                                                                        |                              |                                                                                                                                                                                                                                                                                                                             |                              |
| <b>LAB USE ONLY: Data Review:</b>                                                                                                                     |                 | <b>QC Review:</b>                                                                                                                                                                                                                                      |                              | <b>Microscope:</b>                                                                                                                                                                                                                                                                                                          |                              |
| <b>Lab Sample ID</b>                                                                                                                                  |                 |                                                                                                                                                                                                                                                        |                              | <b>Stain Lot:</b>                                                                                                                                                                                                                                                                                                           |                              |
| <b>Debris Rating</b>                                                                                                                                  | 3               |                                                                                                                                                                                                                                                        |                              |                                                                                                                                                                                                                                                                                                                             |                              |
| <b>Fungal Spores Identified</b>                                                                                                                       |                 | <b>Raw Count/Fungal Load</b>                                                                                                                                                                                                                           | <b>Raw Count/Fungal Load</b> | <b>Raw Count/Fungal Load</b>                                                                                                                                                                                                                                                                                                | <b>Raw Count/Fungal Load</b> |
| Alternaria                                                                                                                                            | 1               |                                                                                                                                                                                                                                                        |                              |                                                                                                                                                                                                                                                                                                                             |                              |
| Ascospores                                                                                                                                            | 100             |                                                                                                                                                                                                                                                        |                              |                                                                                                                                                                                                                                                                                                                             |                              |
| Aspergillus/Penicillium                                                                                                                               | 2               |                                                                                                                                                                                                                                                        |                              |                                                                                                                                                                                                                                                                                                                             |                              |
| Basidiospores                                                                                                                                         | 100             |                                                                                                                                                                                                                                                        |                              |                                                                                                                                                                                                                                                                                                                             |                              |
| Chaetomium                                                                                                                                            |                 |                                                                                                                                                                                                                                                        |                              |                                                                                                                                                                                                                                                                                                                             |                              |
| Cladosporium                                                                                                                                          | 42              |                                                                                                                                                                                                                                                        |                              |                                                                                                                                                                                                                                                                                                                             |                              |
| Curvularia                                                                                                                                            |                 |                                                                                                                                                                                                                                                        |                              |                                                                                                                                                                                                                                                                                                                             |                              |
| Drechslera/Bipolaris group                                                                                                                            |                 |                                                                                                                                                                                                                                                        |                              |                                                                                                                                                                                                                                                                                                                             |                              |
| Hyphal Structures                                                                                                                                     | 2               |                                                                                                                                                                                                                                                        |                              |                                                                                                                                                                                                                                                                                                                             |                              |
| Miscellaneous/Unidentified                                                                                                                            | 3               |                                                                                                                                                                                                                                                        |                              |                                                                                                                                                                                                                                                                                                                             |                              |
| Smuts/Myxomycetes                                                                                                                                     | 2               |                                                                                                                                                                                                                                                        |                              |                                                                                                                                                                                                                                                                                                                             |                              |
| Stachybotrys                                                                                                                                          |                 |                                                                                                                                                                                                                                                        |                              |                                                                                                                                                                                                                                                                                                                             |                              |
| Ulocladium                                                                                                                                            |                 |                                                                                                                                                                                                                                                        |                              |                                                                                                                                                                                                                                                                                                                             |                              |

Report Created by:

Report Typed by:

Report Authorized by:

Report Sent by:

Comments:

ATTACHMENT B  
AIR QUALITY INDEX BASICS

## What is the U.S. Air Quality Index (AQI)?

The U.S. AQI is EPA's index for reporting air quality.

### How does the AQI work?

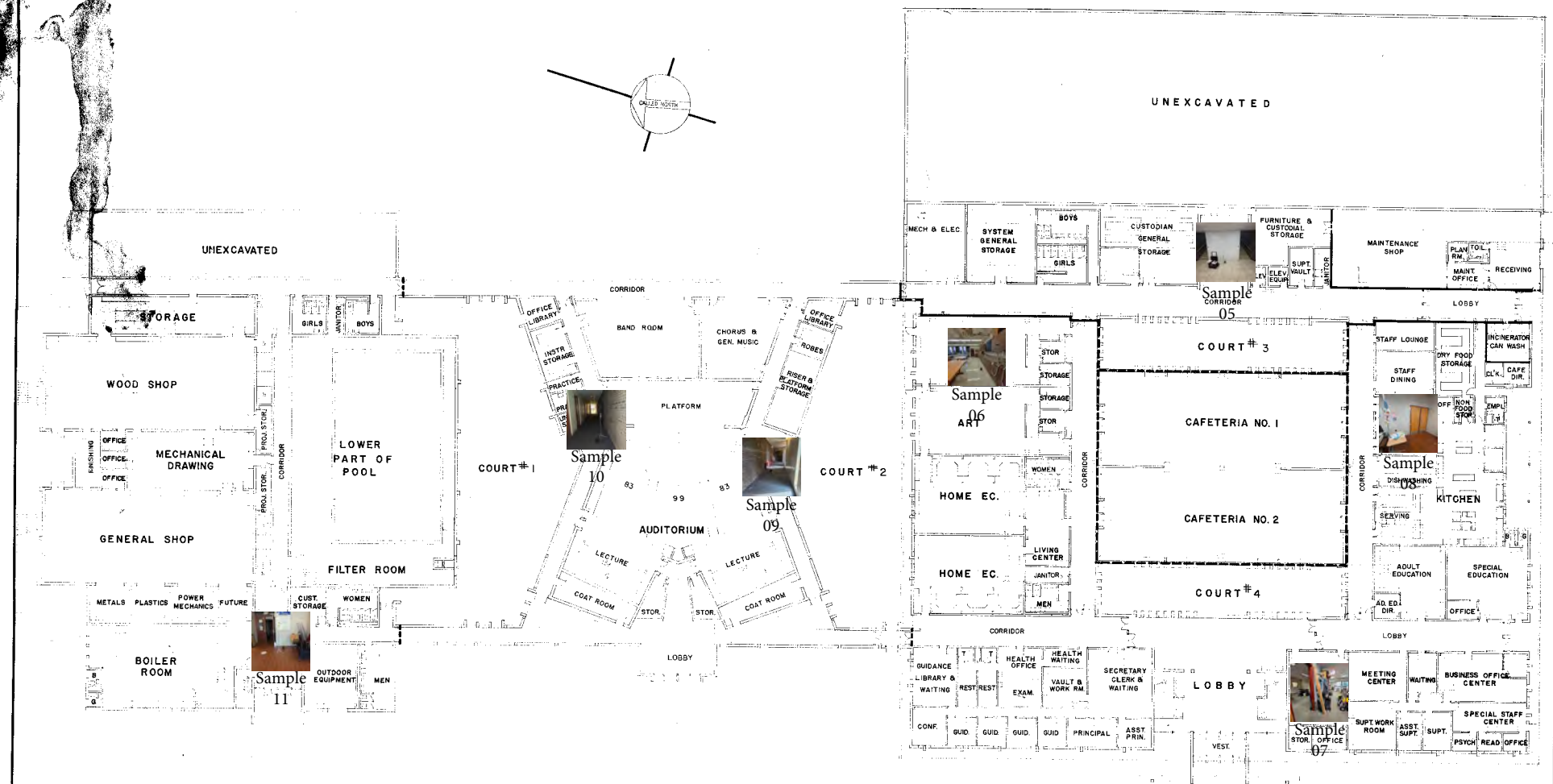
Think of the AQI as a yardstick that runs from 0 to 500. The higher the AQI value, the greater the level of air pollution and the greater the health concern. For example, an AQI value of 50 or below represents good air quality, while an AQI value over 300 represents hazardous air quality.

For each pollutant an AQI value of 100 generally corresponds to an ambient air concentration that equals the level of the short-term national ambient air quality standard for protection of public health. AQI values at or below 100 are generally thought of as satisfactory. When AQI values are above 100, air quality is unhealthy: at first for certain sensitive groups of people, then for everyone as AQI values get higher.

The AQI is divided into six categories. Each category corresponds to a different level of health concern. Each category also has a specific color. The color makes it easy for people to quickly determine whether air quality is reaching unhealthy levels in their communities.

| AQI Basics for Ozone and Particle Pollution |                                |                 |                                                                                                                                           |
|---------------------------------------------|--------------------------------|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| Daily AQI Color                             | Levels of Concern              | Values of Index | Description of Air Quality                                                                                                                |
| Green                                       | Good                           | 0 to 50         | Air quality is satisfactory, and air pollution poses little or no risk.                                                                   |
| Yellow                                      | Moderate                       | 51 to 100       | Air quality is acceptable. However, there may be a risk for some people, particularly those who are unusually sensitive to air pollution. |
| Orange                                      | Unhealthy for Sensitive Groups | 101 to 150      | Members of sensitive groups may experience health effects. The general public is less likely to be affected.                              |
| Red                                         | Unhealthy                      | 151 to 200      | Some members of the general public may experience health effects; members of sensitive groups may experience more serious health effects. |
| Purple                                      | Very Unhealthy                 | 201 to 300      | Health alert: The risk of health effects is increased for everyone.                                                                       |
| Maroon                                      | Hazardous                      | 301 and higher  | Health warning of emergency conditions: everyone is more likely to be affected.                                                           |

ATTACHMENT C  
SAMPLE LOCATION FLOOR PLAN & PHOTOS



--- 12" MASS FIRE DIV.  
 --- FIRE RATED BLOCK

| FIRST FLOOR KEY PLAN                                                                                           |  | SCALE                                |
|----------------------------------------------------------------------------------------------------------------|--|--------------------------------------|
| REGIONAL JUNIOR HIGH SCHOOL<br>AMHERST-PELHAM-LEVERETT-SHUTESBURY<br>CHESTNUT STREET<br>AMHERST, MASSACHUSETTS |  | DATE 11-13-87<br>DRAWN RM<br>CHKD RA |
| ALDERMAN & MacNEISH<br>ARCHITECTS AND ENGINEERS<br>304 FERRIS ROAD<br>WEST SPRINGFIELD, MASSACHUSETTS          |  |                                      |
| 1103 - CD - 2                                                                                                  |  |                                      |



ATTACHMENT D  
RECOMMENDATIONS

## Supplemental Recommendations

Based on the September 7, 2026 airborne fungal sampling results and comparison with the August 20 and August 24, 2026 sampling events, supplemental recommendations are provided below. The recommendations are intended to address locations demonstrating relatively elevated or persistent airborne fungal concentrations, changes between sampling events, elevated debris ratings, and potential environmental conditions that may contribute to airborne particulate accumulation.

The three sampling events demonstrate location-specific variability rather than a uniform building-wide increase in airborne fungal concentrations. Accordingly, broad fungal-specific remediation is not indicated solely on the basis of the air sampling results. Priority should instead be given to targeted inspection, moisture control, housekeeping, ventilation, and evaluation of locations demonstrating persistent or increasing concentrations.

### **C22-A (September 7: 7,867 spores/m<sup>3</sup> — Debris Rating: 3)**

**Goal:** Maintain acceptable housekeeping conditions and prevent accumulation of dust, debris, and moisture-related particulate matter.

#### **Action Steps**

1. Continue routine HEPA vacuuming and damp cleaning of floors, horizontal surfaces, and other accessible areas.
2. Inspect walls, ceilings, flooring, and perimeter areas for evidence of water intrusion, staining, condensation, or elevated moisture.
3. Maintain adequate air circulation and ventilation within the space.
4. Monitor for changes in odors, visible fungal growth, or moisture conditions.
5. No additional fungal-specific remediation is recommended based solely on the current sampling results unless visual or moisture observations identify a specific concern.

### **Library (September 7: 7,956 spores/m<sup>3</sup> — Debris Rating: 3)**

**Goal:** Maintain clean, dry conditions and minimize accumulation of settled particulate matter.

#### **Action Steps**

1. Continue routine HEPA vacuuming and damp cleaning of accessible surfaces.
2. Inspect areas surrounding exterior walls, windows, ceilings, and flooring for evidence of moisture intrusion or condensation.
3. Pay particular attention to dust accumulation on shelving, furniture, and other horizontal surfaces.
4. Maintain adequate ventilation and air movement.
5. Monitor the area for changes in odor, visible growth, or moisture conditions.
6. No fungal-specific remediation is recommended at this time based solely on the September 7 results.

## **C27 (September 7: 9,956 spores/m<sup>3</sup> — Debris Rating: 3)**

**Goal:** Reduce accumulated particulate matter and identify conditions that could contribute to continued airborne fungal variability.

### **Action Steps**

1. Perform thorough HEPA vacuuming and damp cleaning of accessible horizontal and vertical surfaces.
2. Inspect room perimeter materials, ceilings, walls, and flooring for moisture staining, condensation, or evidence of previous water intrusion.
3. Evaluate areas adjacent to plumbing, exterior walls, windows, and HVAC components where applicable.
4. Investigate potential differences in room use, cleaning, occupancy, or air movement that could contribute to fluctuations between sampling events.
5. Continue routine moisture monitoring where conditions warrant.
6. Consider follow-up evaluation if elevated airborne concentrations persist following cleaning and correction of any identified environmental conditions.

## **Hall by C5-A (September 7: 11,067 spores/m<sup>3</sup> — Debris Rating: 3)**

**Goal:** Reduce accumulated dust/debris and evaluate potential sources contributing to the relatively elevated airborne fungal concentration.

### **Action Steps**

1. Perform thorough HEPA vacuuming and damp cleaning of floors, walls, ledges, corners, and other accessible surfaces.
2. Inspect adjacent walls, ceilings, flooring, and building penetrations for evidence of water intrusion or condensation.
3. Evaluate nearby HVAC supply/return locations and airflow patterns for excessive dust accumulation or inadequate air circulation.
4. Review recent construction, maintenance, cleaning, or other activities that may have disturbed settled particulate matter.
5. Maintain routine housekeeping and moisture-control measures.
6. Conduct additional targeted investigation if elevated concentrations continue after environmental conditions have been addressed.

## **Monumental Stairs (September 7: 11,733 spores/m<sup>3</sup> — Debris Rating: 4)**

**Goal:** Reduce substantial particulate accumulation and evaluate conditions that may be contributing to airborne fungal variability.

### **Action Steps**

1. Conduct a thorough HEPA vacuuming and damp-cleaning of stair surfaces, landings, ledges, wall surfaces, and other accessible areas.
2. Because the sample received a **Debris Rating of 4**, evaluate the area for excessive settled dust and other non-fungal particulate accumulation. The laboratory notes that high debris can obscure fungal structures and may result in undercounting.
3. Inspect adjacent walls, ceilings, joints, and building materials for evidence of moisture intrusion, staining, condensation, or deterioration.
4. Evaluate airflow and HVAC conditions affecting the stairwell.
5. Investigate recent construction, maintenance, cleaning, or traffic-related activities that may have disturbed accumulated particulate matter.
6. Continue routine housekeeping and moisture monitoring.
7. Consider repeat targeted sampling only if environmental conditions or subsequent observations warrant additional evaluation.

## **Info Systems (September 7: 13,200 spores/m<sup>3</sup> — Debris Rating: 3)**

**Goal:** Identify and address potential localized sources contributing to the consistently elevated airborne fungal concentration.

### **Action Steps**

1. Conduct a detailed visual and moisture inspection of the room, including walls, ceilings, flooring, corners, penetrations, and concealed areas that can be reasonably accessed.
2. Give particular attention to areas adjacent to exterior walls, windows, plumbing, HVAC components, and other potential moisture sources.
3. Evaluate HVAC operation, supply/return airflow, filtration, and areas surrounding air-handling components.
4. Perform thorough HEPA vacuuming and damp cleaning of accessible surfaces.
5. Review the area for dust accumulation, stored materials, or other sources of settled particulate matter that could be disturbed and become airborne.
6. Investigate the substantial increase from the August 20 sampling event and continued elevated concentration during the August 24 and September 7 events.
7. Although *Aspergillus*/*Penicillium* was elevated at 3,822 spores/m<sup>3</sup> during the September 7 event, ***Chaetomium*, *Stachybotrys*, and *Ulocladium* were not detected.**
8. If the targeted inspection identifies moisture-damaged or visibly contaminated materials, address the underlying moisture source and evaluate affected materials for appropriate remediation.
9. Consider follow-up sampling after corrective measures if the concentration remains elevated or if visual/moisture investigation identifies a potential source.

## **Art-1 (September 7: 11,689 spores/m<sup>3</sup> — Debris Rating: 3)**

**Goal:** Reduce particulate accumulation and evaluate conditions affecting airborne fungal concentrations.

### **Action Steps**

1. Thoroughly HEPA vacuum and damp-clean accessible surfaces, floors, ledges, and storage areas.
2. Inspect stored artwork, paper products, furnishings, and other porous materials for evidence of moisture exposure or visible fungal growth.
3. Inspect walls, ceilings, flooring, and exterior-wall interfaces for moisture staining or condensation.
4. Maintain adequate ventilation and air movement.
5. Evaluate the area for dust-generating activities or disturbances that could affect airborne concentrations.
6. Continue routine moisture monitoring and housekeeping.
7. Additional fungal-specific remediation is not indicated solely by the current air sample in the absence of corresponding visual or moisture evidence.

## **Kitchen (September 7: 10,667 spores/m<sup>3</sup> — Debris Rating: 3)**

**Goal:** Control moisture, condensation, and particulate accumulation associated with kitchen activities.

### **Action Steps**

1. Thoroughly clean floors, countertops, cabinet surfaces, and other accessible areas using HEPA vacuuming and damp cleaning as appropriate.
2. Clean beneath and behind appliances where accessible to remove accumulated dust and debris.
3. Inspect plumbing connections, sink cabinets, dishwasher connections, and adjacent flooring for leaks or moisture damage.
4. Verify that kitchen exhaust ventilation is operating properly and effectively discharging air to the exterior where applicable.
5. Inspect for condensation around plumbing, appliances, exterior walls, windows, and other cool surfaces.
6. Maintain routine housekeeping and promptly address any leaks or moisture accumulation.
7. No fungal-specific remediation is recommended unless the inspection identifies visible fungal growth or moisture-damaged materials.

## **Hall by Court 2 (September 7: 13,467 spores/m<sup>3</sup> — Debris Rating: 4)**

**Goal:** Identify potential localized sources contributing to the highest September 7 indoor airborne fungal concentration and reduce excessive particulate accumulation.

### **Action Steps**

1. Conduct a **priority visual and moisture inspection** of the Hall by Court 2 and adjacent building materials.
2. Inspect ceilings, walls, flooring, expansion joints, penetrations, and areas adjacent to exterior walls or plumbing for evidence of moisture intrusion or condensation.
3. Because the September 7 concentration increased from approximately 3,289 spores/m<sup>3</sup> on August 20 to 8,711 spores/m<sup>3</sup> on August 24 and 13,467 spores/m<sup>3</sup> on September 7, investigate potential changes in building use, cleaning, construction, air movement, or other activities that could contribute to the observed trend.
4. Perform thorough HEPA vacuuming and damp cleaning of accessible surfaces.
5. The sample received a **Debris Rating of 4**, and the laboratory cautions that elevated debris may obscure fungal structures and result in an undercount.
6. Inspect adjacent areas and pathways for tracked-in soil, dust, construction debris, or other particulate sources.
7. Evaluate HVAC airflow and air movement through the corridor.
8. If moisture-damaged or visibly contaminated materials are identified, address the underlying source and remediate affected materials as appropriate.
9. Consider targeted follow-up sampling after corrective measures if elevated concentrations persist.

## **Gym Lobby (September 7: 11,333 spores/m<sup>3</sup> — Debris Rating: 3)**

**Goal:** Maintain clean and dry conditions and minimize particulate redistribution associated with high-traffic activity.

### **Action Steps**

1. Continue routine HEPA vacuuming and damp cleaning of floors and horizontal surfaces.
2. Pay particular attention to entrances, corners, ledges, and other locations where tracked-in particulate may accumulate.
3. Inspect for condensation or moisture around exterior doors, windows, walls, and HVAC equipment.
4. Maintain adequate ventilation and air circulation.
5. Continue routine moisture monitoring.
6. No additional fungal-specific remediation is recommended based solely on the current results unless visual or moisture observations identify a concern.

## **Hall by Court 1 (September 7: 11,156 spores/m<sup>3</sup> — Debris Rating: 3)**

**Goal:** Continue targeted evaluation of a location that demonstrated substantial variability during the three sampling events.

### **Action Steps**

1. Continue targeted inspection of ceilings, walls, flooring, penetrations, and concealed areas for evidence of past or current moisture intrusion.
2. Review any known history of roof, plumbing, exterior-envelope, or other water intrusion affecting this area.
3. Evaluate HVAC supply/return airflow and potential redistribution of particulate through the corridor.
4. Perform thorough HEPA vacuuming and damp cleaning of accessible surfaces.
5. Review activities occurring between the August 20, August 24, and September 7 sampling events that may have disturbed settled dust or fungal-containing particulate.
6. The September 7 concentration of 11,156 spores/m<sup>3</sup> represents a substantial reduction from the August 24 concentration of 16,844 spores/m<sup>3</sup>, although it remains above the August 20 concentration of approximately 6,622 spores/m<sup>3</sup>.
7. The September 7 sample did **not** contain *Chaetomium*, *Stachybotrys*, or *Ulocladium*, which represents an improvement in the fungal profile compared with the August 24 event.
8. Continue moisture monitoring and housekeeping.
9. Additional sampling may be considered if visible/moisture concerns remain or if elevated airborne concentrations persist following corrective measures.

## **Gym 2nd Floor by Stairs (September 7: 9,156 spores/m<sup>3</sup> — Debris Rating: 3)**

**Goal:** Maintain clean, dry conditions and minimize particulate accumulation.

### **Action Steps**

1. Continue routine HEPA vacuuming and damp cleaning of floors, stairs, landings, and accessible horizontal surfaces.
2. Inspect surrounding walls, ceilings, and flooring for moisture staining or condensation.
3. Maintain adequate air circulation and ventilation.
4. Inspect HVAC components serving the area for excessive dust accumulation or airflow concerns.
5. Monitor for changes in odor, visible fungal growth, or moisture conditions.
6. No fungal-specific remediation is recommended based solely on the September 7 results.

## Building-Wide Supplemental Recommendations

1. **Continue moisture control as the primary preventive measure.** EPA identifies moisture control as the key component of preventing and controlling indoor fungal growth.
2. Maintain indoor relative humidity **below 60% where practicable**, with lower levels generally preferable when conditions permit, and investigate persistent condensation or elevated humidity.
3. Promptly investigate and correct plumbing leaks, roof/exterior-envelope leaks, condensation, drainage problems, or other sources of water intrusion.
4. Maintain HVAC systems, filters, condensate pans, and condensate drainage systems in accordance with applicable maintenance requirements.
5. Continue routine HEPA vacuuming and damp cleaning, with particular attention to high-traffic areas, corridors, stairs, ledges, and other locations where particulate accumulation is evident.
6. Avoid unnecessary disturbance of settled dust or potentially contaminated porous materials until the source and condition of the material have been evaluated.
7. Where moisture-damaged porous materials or visible fungal growth are identified, evaluate the affected materials for appropriate removal or remediation rather than relying solely on airborne sampling.
8. Maintain documentation of moisture events, leaks, repairs, cleaning activities, HVAC work, and other building activities that could influence future airborne sampling results.
9. Because air sampling represents conditions at a particular point in time, future sampling should be performed only when there is a defined investigative question or when needed to evaluate the effectiveness of specific corrective measures. EPA similarly notes that air sampling provides a snapshot of conditions at the time of sampling and should not replace visual and moisture assessment.
10. If additional sampling is performed, attempt to maintain reasonably comparable sampling conditions, including HVAC operation, occupancy/activity, cleaning status, and other factors that could affect airborne particulate concentrations.

## Priority for Follow-Up

Based on the combined August 20, August 24, and September 7 results, the following locations should receive the greatest attention:

### Highest Priority

- **Hall by Court 2** — highest September 7 indoor concentration and increasing concentration across the three sampling events.
- **Info Systems** — persistently elevated concentration relative to the August 20 baseline, with the highest September 7 *Aspergillus*/*Penicillium* concentration.

### Secondary Priority

- **Hall by Court 1** — substantial variability, including the highest concentration recorded during the August 24 event, although the September 7 result declined substantially and moisture-associated fungal groups were no longer detected.
- **Monumental Stairs** — relatively elevated concentration combined with a Debris Rating of 4.
- **Art-1 and Kitchen** — concentrations remain elevated relative to the August 20 event and warrant continued housekeeping and moisture/ventilation evaluation.

### Routine Monitoring / Maintenance

- C22-A
- Library
- C27
- Hall by C5-A
- Gym Lobby
- Gym 2nd Floor by Stairs

Overall, the current results support **continued targeted investigation and environmental controls rather than building-wide fungal remediation based solely on the airborne sampling results**. The absence of *Chaetomium*, *Stachybotrys*, and *Ulocladium* from the September 7 indoor samples is a favorable finding, while the persistent elevation at Hall by Court 2 and Info Systems warrants continued attention. EPA guidance likewise emphasizes correcting moisture sources and evaluating actual building conditions rather than relying solely on airborne fungal concentrations.