



April 8, 2021

Mr. Thomas Rambone, CEFM
Facilities Manager
Franklin Township Board of Education
3228 Coles Mill Rd.
Franklinville, NJ 08322

RE: Indoor Air Quality Inspection Report – March 2021
Janvier Elementary School
Epic Project No. 21-1051

Dear Mr. Rambone:

Epic Environmental Services, LLC (Epic) was retained by the Franklin Township Board of Education (District) to perform indoor air quality inspections for five randomly selected areas at the Janvier Elementary School. The inspections consisted of visual observations and the collection of temperature and relative humidity data. Additionally, samples for airborne mold spores were collected in the inspection areas.

The visual inspections focused on signs of moisture, water intrusion, and visible mold growth.

Temperature and relative humidity data were compared to current New Jersey Indoor Air Quality and industry standards.

Epic Environmental performed the inspections on March 30, 2021.

Acceptable Temperature and Relative Humidity Criteria

| | |
|---|-----------------------------|
| Acceptable Indoor Temperature Range: | 68° - 79° Fahrenheit |
| Ideal Relative Humidity Range: | 30-60% |

The following rooms/areas were inspected:

Nurse, Room 1, Room 2, Room 31, Room 33

Observations, Comments, and Recommendations

Weather Conditions: Clear, 61° Fahrenheit, 33% Relative Humidity

Nurse

No visible mold was observed.
No evidence of recent water intrusion was observed.
Relative humidity was below the ideal range (25%). Temperature was within the acceptable range.
Airborne mold spore concentrations were near or below outside (background) concentrations.
No action required at this time.

Room 1

No visible mold was observed.
No evidence of recent water intrusion was observed.
Relative humidity was below the ideal range (24%). Temperature was within the acceptable range.
Airborne mold spore concentrations were near or below outside (background) concentrations.
No action required at this time.

Room 2

No visible mold was observed.
No evidence of recent water intrusion was observed.
Relative humidity was below the ideal range (25%). Temperature was within the acceptable range.
Airborne mold spore concentrations were near or below outside (background) concentrations.
No action required at this time.

Room 31

No visible mold was observed.
No evidence of recent water intrusion was observed.
Relative humidity was below the ideal range (27%). Temperature was within the acceptable range.
Airborne mold spore concentrations were near or below outside (background) concentrations.
No action required at this time.

Room 33

No visible mold was observed.
No evidence of recent water intrusion was observed.
Relative humidity was below the ideal range (24%). Temperature was within the acceptable range.
Airborne mold spore concentrations were near or below outside (background) concentrations.
No action required at this time.

Air Sample Results

Air samples were collected in each inspection area. Airborne mold spore concentrations were near or below background (outside) concentrations in all areas.

See Sample Data Summary

Conclusions and General Recommendations

- Sensitive persons may experience dryness/general discomfort of the upper respiratory system in low relative humidity situations. If these symptoms are reported during the winter months, consider lowering room temperature if possible, or install a temporary humidifier in the problem area on a temporary basis.

Please do not hesitate to contact me at 856-205-1077 should you have any questions.

An invoice for the completed project is enclosed.

Regards,



James Eberts
President
Epic Environmental Services, LLC

Sample Data Summary

Air Sampling

| Air Sample Location | Airborne Mold Concentrations (spores/m ³) | |
|---------------------|---|---|
| | Total | Individual Mold Concentrations |
| Nurse | 280 | Aspergillus/Penicillium 80 Basidiospores 200 |
| Room 1 | 240 | Aspergillus/Penicillium 80 Basidiospores 80 Pithomyces 80 |
| Room 2 | 80 | Aspergillus/Penicillium 80 |
| Room 31 | 160 | Aspergillus/Penicillium 80 Basidiospores 80 |
| Room 33 | 440 | Ascospores 80 Aspergillus/Penicillium 80 Basidiospores 200 Cladosporium 80 |
| Outside | 400 | Aspergillus/Penicillium 200 Basidiospores 200 |

- Total mold counts found in **green** indicate a total airborne mold level NEAR or BELOW the outside (background) level.
- Total mold counts found in **red** indicate a total airborne mold level significantly ABOVE the outside (background) level, and may be an indicator of active mold growth.
- Individual molds listed in **green** indicate an individual airborne mold level NEAR or BELOW outside the (background) level.
- Individual molds listed in **purple** were not found in the background sample, but not considered evidence of a water/moisture issue or active mold growth.
- Individual molds listed in **red** indicate an individual airborne mold level significantly ABOVE the outside (background) level, and may be an indicator of active mold growth in the area.

All locations had an airborne mold spore concentration near or below background (outside) concentrations.



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077
Tel/Fax: (800) 220-3675 / (856) 786-0262
<http://www.EMSL.com> / cinmicrolab@emsl.com

EMSL Order: 372104693
Customer ID: EPIC62
Customer PO:
Project ID:

Attention: James Eberts
Epic Environmental Services, LLC
1930 Brown Road
Newfield, NJ 08344

Phone: (856) 205-1077
Fax: (856) 205-0413
Collected Date: 03/30/2021
Received Date: 03/31/2021
Analyzed Date: 04/07/2021

Project: Janvier IAQ

Test Report: Micro-5(™) Analysis of Fungal Spores & Particulates by Optical Microscopy (Methods MICRO-SOP-201, ASTM D7391)

| Lab Sample Number: | 372104693-0001 | | | 372104693-0002 | | | 372104693-0003 | | |
|---------------------------|----------------|----------------------|------------|----------------|----------------------|------------|----------------|----------------------|------------|
| Client Sample ID: | J-01 | | | J-02 | | | J-03 | | |
| Volume (L): | 25 | | | 25 | | | 25 | | |
| Sample Location: | Nurse | | | Rm. 1 | | | Rm. 2 | | |
| Spore Types | Raw Count | Count/m ³ | % of Total | Raw Count | Count/m ³ | % of Total | Raw Count | Count/m ³ | % of Total |
| Alternaria (Ulocladium) | - | - | - | - | - | - | - | - | - |
| Ascospores | - | - | - | - | - | - | - | - | - |
| Aspergillus/Penicillium | 1 | 80 | 28.6 | 1 | 80 | 33.3 | 1 | 80 | 100 |
| Basidiospores | 2 | 200 | 71.4 | 1 | 80 | 33.3 | - | - | - |
| Bipolaris++ | - | - | - | - | - | - | - | - | - |
| Chaetomium | - | - | - | - | - | - | - | - | - |
| Cladosporium | - | - | - | - | - | - | - | - | - |
| Curvularia | - | - | - | - | - | - | - | - | - |
| Epicoccum | - | - | - | - | - | - | - | - | - |
| Fusarium | - | - | - | - | - | - | - | - | - |
| Ganoderma | - | - | - | - | - | - | - | - | - |
| Myxomycetes++ | - | - | - | - | - | - | - | - | - |
| Pithomyces++ | - | - | - | 1 | 80 | 33.3 | - | - | - |
| Rust | - | - | - | - | - | - | - | - | - |
| Scopulariopsis/Microascus | - | - | - | - | - | - | - | - | - |
| Stachybotrys/Memnoniella | - | - | - | - | - | - | - | - | - |
| Unidentifiable Spores | - | - | - | - | - | - | - | - | - |
| Zygomycetes | - | - | - | - | - | - | - | - | - |
| Total Fungi | 3 | 280 | 100 | 3 | 240 | 100 | 1 | 80 | 100 |
| Hyphal Fragment | - | - | - | - | - | - | - | - | - |
| Insect Fragment | - | - | - | - | - | - | - | - | - |
| Pollen | - | - | - | - | - | - | - | - | - |
| Analyt. Sensitivity 600x | - | 80 | - | - | 80 | - | - | 80 | - |
| Analyt. Sensitivity 300x | - | 40* | - | - | 40* | - | - | 40* | - |
| Skin Fragments (1-4) | - | 2 | - | - | 2 | - | - | 2 | - |
| Fibrous Particulate (1-4) | - | 1 | - | - | 1 | - | - | 1 | - |
| Background (1-5) | - | 1 | - | - | 1 | - | - | 1 | - |

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

Vincent Iuzzolino, M.S., Laboratory Director
or other Approved Signatory

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

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. High levels of background particulate can obscure spores and other particulates, leading to underestimation. Background levels of 5 indicate an overloading of background particulates, prohibiting accurate detection and quantification. Present = Spores detected on overloaded samples. Results are not blank corrected unless otherwise noted. The detection limit is equal to one fungal spore, structure, pollen, fiber particle or insect fragment. "*" Denotes particles found at 300X. "-" Denotes not detected. Due to method stopping rules, raw counts in excess of 100 are extrapolated based on the percentage analyzed.

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ AIHA-LAP, LLC-EMLAP Accredited #100194

Initial report from: 04/07/2021 03:09 PM

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



EMSL Analytical, Inc.

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Collected Date: 03/30/2021
Received Date: 03/31/2021
Analyzed Date: 04/07/2021

Project: Janvier IAQ

Test Report: Micro-5(™) Analysis of Fungal Spores & Particulates by Optical Microscopy (Methods MICRO-SOP-201, ASTM D7391)

| Lab Sample Number: | 372104693-0004 | | | 372104693-0005 | | | 372104693-0006 | | |
|---------------------------|----------------|----------------------|------------|----------------|----------------------|------------|----------------|----------------------|------------|
| Client Sample ID: | J-04 | | | J-05 | | | J-06 | | |
| Volume (L): | 25 | | | 25 | | | 25 | | |
| Sample Location: | Rm. 31 | | | Rm. 33 | | | Outside | | |
| Spore Types | Raw Count | Count/m ³ | % of Total | Raw Count | Count/m ³ | % of Total | Raw Count | Count/m ³ | % of Total |
| Alternaria (Ulocladium) | - | - | - | - | - | - | - | - | - |
| Ascospores | - | - | - | 1 | 80 | 18.2 | - | - | - |
| Aspergillus/Penicillium | 1 | 80 | 50 | 1 | 80 | 18.2 | 2 | 200 | 50 |
| Basidiospores | 1 | 80 | 50 | 2 | 200 | 45.5 | 2 | 200 | 50 |
| Bipolaris++ | - | - | - | - | - | - | - | - | - |
| Chaetomium | - | - | - | - | - | - | - | - | - |
| Cladosporium | - | - | - | 1 | 80 | 18.2 | - | - | - |
| Curvularia | - | - | - | - | - | - | - | - | - |
| Epicoccum | - | - | - | - | - | - | - | - | - |
| Fusarium | - | - | - | - | - | - | - | - | - |
| Ganoderma | - | - | - | - | - | - | - | - | - |
| Myxomycetes++ | - | - | - | - | - | - | - | - | - |
| Pithomyces++ | - | - | - | - | - | - | - | - | - |
| Rust | - | - | - | - | - | - | - | - | - |
| Scopulariopsis/Microascus | - | - | - | - | - | - | - | - | - |
| Stachybotrys/Memnoniella | - | - | - | - | - | - | - | - | - |
| Unidentifiable Spores | - | - | - | - | - | - | - | - | - |
| Zygomycetes | - | - | - | - | - | - | - | - | - |
| Total Fungi | 2 | 160 | 100 | 5 | 440 | 100 | 4 | 400 | 100 |
| Hyphal Fragment | - | - | - | - | - | - | - | - | - |
| Insect Fragment | - | - | - | - | - | - | - | - | - |
| Pollen | - | - | - | - | - | - | - | - | - |
| Analyt. Sensitivity 600x | - | 80 | - | - | 80 | - | - | 80 | - |
| Analyt. Sensitivity 300x | - | 40* | - | - | 40* | - | - | 40* | - |
| Skin Fragments (1-4) | - | 2 | - | - | 3 | - | - | 1 | - |
| Fibrous Particulate (1-4) | - | 1 | - | - | 1 | - | - | 1 | - |
| Background (1-5) | - | 1 | - | - | 1 | - | - | 1 | - |

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

Vincent Iuzzolino, M.S., Laboratory Director
or other Approved Signatory

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

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Initial report from: 04/07/2021 03:09 PM

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



Environmental Microbiology Chain of Custody

EMSL Order Number (Lab Use Only):

372104693

Westmont, NJ
 107 Haddon Avenue
 Westmont, NJ 08108
 PHONE: (856) 858-4800
 FAX: (856) 858-4960

Company: Epic Environmental Services, LLC
 Street: 1930 Brown Road
 City/State/Zip: Newfield, NJ 08344
 Report To (Name): James Eberts
 Telephone: 856-205-1077
 Project Name/Number: Jan's IAQ
 Please Provide Results: Email
 Purchase Order: 21-1051
 State Samples Taken: NJ

EMSL-Bill to: Same Different
 If Bill is Different note instructions in Comments**
 Third Party Billing requires written authorization from third party

Fax: 856-205-0413
 Email Address: jeberts@epicenviro.com

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 EMSL
 CINCINNATI, NJ
 MAR 31 PM 12:11

Turnaround Time (TAT) Options* - Please Check
 3 Hour 6 Hour 24 Hour 48 Hour 72 Hour 96 Hour 1 Week 2 Week

- *Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide. TATs are subject to methodology requirements
- Non Culturable Air Samples (Spore Traps)**
- M001 Air-O-Cell
 - M049 BioSIS
 - M030 Micro 5
 - M173 Allegro M2
 - M003 Burkard
 - M174 MoldSnap
 - M004 Allergenco
 - M043 Cyclex
 - M176 Relle Smart
 - M032 Allergenco-D
 - M002 Cyclex-d
 - M130 Via-Cell
 - M172 Versa Trap

- Other Microbiology Test Codes**
- M041 Fungal Direct Examination
 - M005 Viable Fungi ID and Count
 - M006 Viable Fungi ID and Count (Speciation)
 - M007 Culturable Fungi
 - M008 Culturable Fungi (Speciation)
 - M009 Gram Stain Culturable Bacteria
 - M010 Bacterial Count and ID - 3 Most Prominent
 - M011 Bacterial Count and ID - 5 Most Prominent
 - M013 Sewage Contamination in Buildings
 - M014 Endotoxin Analysis
 - M015 Heterotrophic Plate Count
 - M180 Real Time Q-PCR-ERMI 36
 - Panel
 - M018 Total Coliform (Membrane Filtration)
 - M020 Fecal Streptococcus (Membrane Filtration)
 - M210-215 Legionella Detection
 - M026 Recreational Water Screen
 - M027 Mycotoxin Analysis
 - M029 Enterococci
 - M019 Fecal Coliform
 - M133 MRSA Analysis
 - M028 Cryptococcus neoformans Detection
 - M120 Histoplasma capsulatum Detection
 - M033-39 Allergen Testing
 - M044 Group Allergen (Cat, Dog, Cockroach, Dustmites)
 - Other See Analytical Price Guide

Preservation Method (Water):

Name of Sampler: Tim Eberts
 Signature of Sampler: [Signature]

| Sample # | Sample Location | Sample Type | Test Code | Volume/Area | Date/Time Collected |
|----------|-----------------|-------------|-----------|-------------|---------------------|
| J-01 | Nurse | AIC | M030 | 5USM 25L | 3/30/21 1055 |
| J-02 | Rm 1 | ↓ | ↓ | ↓ | 1103 |
| J-03 | Rm 2 | ↓ | ↓ | ↓ | 1109 |
| J-04 | Rm 31 | ↓ | ↓ | ↓ | 1118 |
| J-05 | Rm 33 | ↓ | ↓ | ↓ | 1126 |
| J-06 | Outside | ↓ | ↓ | ↓ | 1137 |

Client Sample # (s): J-01 - J-06
 Total # of Samples: 6
 Relinquished (Client): [Signature] Date: 3/31/21 Time:
 Received (Client): [Signature] Date: 3/31/21 Time: 12:15

Comments/Special Instructions:

[Handwritten mark]



AIHA Laboratory Accreditation Programs, LLC

acknowledges that

EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077

Laboratory ID: LAP-100194

along with all premises from which key activities are performed, as listed above, has fulfilled the requirements of the AIHA Laboratory Accreditation Programs (AIHA-LAP), LLC accreditation to the ISO/IEC 17025:2017 international standard, General Requirements for the Competence of Testing and Calibration Laboratories in the following:

LABORATORY ACCREDITATION PROGRAMS

- | | | |
|-------------------------------------|-----------------------------------|--|
| <input checked="" type="checkbox"/> | INDUSTRIAL HYGIENE | Accreditation Expires: November 01, 2022 |
| <input checked="" type="checkbox"/> | ENVIRONMENTAL LEAD | Accreditation Expires: November 01, 2022 |
| <input checked="" type="checkbox"/> | ENVIRONMENTAL MICROBIOLOGY | Accreditation Expires: November 01, 2022 |
| <input type="checkbox"/> | FOOD | Accreditation Expires: |
| <input type="checkbox"/> | UNIQUE SCOPES | Accreditation Expires: |

Specific Field(s) of Testing (FoT)/Method(s) within each Accreditation Program for which the above named laboratory maintains accreditation is outlined on the attached Scope of Accreditation. Continued accreditation is contingent upon successful on-going compliance with ISO/IEC 17025:2017 and AIHA-LAP, LLC requirements. This certificate is not valid without the attached Scope of Accreditation. Please review the AIHA-LAP, LLC website (www.aihaaccreditedlabs.org) for the most current Scope.

Cheryl O. Morton

Cheryl O Morton
Managing Director, AIHA Laboratory Accreditation Programs, LLC