

COMMUNITY INFORMATION BULLETIN

Air Quality Test Results: St. Matthew Catholic Elementary School

September 6, 2024

The following Site Inspection Report and Laboratory Analysis Report relate to the aftermath of clean-up efforts following summer flooding that affected a section of St. Matthew Catholic Elementary School.

For information and reference.



SITE INSPECTION REPORT

Page 1

Date: August 30th, 2024

Client: ServiceMaster **Client Contact:**

Safetech Rep: **Project No.** 4240323, 4240339

Project Address: 280 Kingsbridge Garden Circle, Mississauga – St. Matthew Elementary School

Project Location: Rooms 4, 5, 6, 7, 8; Kindergarten Rooms 9, 10; Child Care Room

Background

Safetech Environmental Limited was on site in regards to file 4240323 to monitor the progress of mould remediation procedures pertaining to cabinets only being carried out throughout select affected areas of the subject building located at 280 Kingsbridge Garden Circle in Mississauga, Ontario. Safetech also performed mould air sampling for file 4240339 on request.

Disclaimer

A formal report, which will outline all methodology and results as well as provide further context to the findings and conclusions, will be issued at a later date. This report has been provided to assist with facilitating next steps in progressing the project. Should you have any questions or concerns, contact Safetech.

Findings and Interim Conclusions – Rooms 4, 5, 6, 7, 8; Kindergarten Rooms 9, 10

Final air sampling in Rooms 6, 7, 8, Kindergarten Room 9, and Kindergarten Room 10, on August 28th, 2024, following the completion of remedial actions, indicated the following:

Results were comparable or similar to the interior reference, in terms of total amounts and individual fungal types. Further, no counts of specific marker spores were identified in most samples, with amounts being reduced to a single count in one room. Results were considered a conditional pass. While on site, Safetech referred ServiceMaster to minor areas for cleaning, which was confirmed to have been completed later that day. No further remedial action beyond these was required. We recommended that the air scrubbers and dehumidifier in each room are run for an additional 12 hours as a precaution, prior to next steps.

Findings and Interim Conclusions – Child Care Room

Safetech Environmental Limited was requested to perform mould air sampling only in the Child Care / Day Care Room on August 28th, 2024.

Results indicated low total counts and low counts of individual spore types in both samples; thus, the sampling results reflected no indication of degraded air quality. Based on the results, air quality can be considered acceptable at the time of sampling.

Laboratory Analysis Report

To:

Safetech Environmental Ltd.
3045 Southcreek Road, #14
Mississauga, Ontario
L4X 2X7

EMC LAB REPORT NUMBER: 97377

Job/Project Name: 280 Kingsbridge Garden Circle, Mississauga

Job/Project No: 4240323

No. of Samples: 7

Sample Type: Allergenco-D

Date Received: Aug 28/24

Analysis Method(s): Fungal Spore Counting

Date Analyzed: Aug 28/24

Date Reported: Aug 28/24

Analyst:

Approved By:



| Client's Sample ID | A1-F | | | A2-F | | | A3-F | | | A4-F | | | A5-F | | |
|---------------------------------------|--------------------|----|-----------------------|--------------------|----|-----------------------|--------------------|----|-----------------------|---------------------------------|----|-----------------------|----------------------------------|-----|-----------------------|
| EMC Lab Sample No. | 412069 | | | 412070 | | | 412071 | | | 412072 | | | 412073 | | |
| Sampling Date | Aug 28/24 | | | Aug 28/24 | | | Aug 28/24 | | | Aug 28/24 | | | Aug 28/24 | | |
| Description/Location | Follow-up / room 6 | | | Follow-up / room 7 | | | Follow-up / room 8 | | | Follow-up / kindergarten room 9 | | | Follow-up / kindergarten room 10 | | |
| Air Volume (m ³) | 0.075 | | | 0.075 | | | 0.075 | | | 0.075 | | | 0.075 | | |
| Fungal Spores | raw ct. | % | spores/m ³ | raw ct. | % | spores/m ³ | raw ct. | % | spores/m ³ | raw ct. | % | spores/m ³ | raw ct. | % | spores/m ³ |
| <i>Alternaria</i> | | | | | | | | | | | | | | | |
| <i>Arthrinium</i> | | | | | | | | | | | | | | | |
| Ascospores | 1 | 17 | 13 | 2 | 7 | 27 | | | | | | | | | |
| <i>Aspergillus/Penicillium</i> type | 3 | 50 | 40 | 18 | 67 | 240 | 8 | 73 | 107 | 12 | 86 | 160 | 8 | 100 | 107 |
| Basidiospores | | | | 1 | 4 | 13 | | | | | | | | | |
| <i>Cercospora</i> | | | | | | | | | | | | | | | |
| <i>Chaetomium</i> | | | | 1 | 4 | 13 | | | | | | | | | |
| <i>Cladosporium</i> | 1 | 17 | 13 | 2 | 7 | 27 | 1 | 9 | 13 | 1 | 7 | 13 | | | |
| Colorless | 1 | 17 | 13 | 3 | 11 | 40 | 2 | 18 | 27 | 1 | 7 | 13 | | | |
| <i>Curvularia</i> | | | | | | | | | | | | | | | |
| <i>Drechslera/Bipolaris</i> group | | | | | | | | | | | | | | | |
| <i>Epicoccum</i> | | | | | | | | | | | | | | | |
| <i>Fusarium</i> | | | | | | | | | | | | | | | |
| <i>Nigrospora</i> | | | | | | | | | | | | | | | |
| <i>Oidium</i> | | | | | | | | | | | | | | | |
| <i>Pithomyces</i> | | | | | | | | | | | | | | | |
| <i>Polythrincium</i> | | | | | | | | | | | | | | | |
| Rusts | | | | | | | | | | | | | | | |
| Smuts, <i>Periconia</i> , Myxomycetes | | | | | | | | | | | | | | | |
| <i>Stachybotrys</i> | | | | | | | | | | | | | | | |
| <i>Ulocladium</i> | | | | | | | | | | | | | | | |
| Unidentified spores | | | | | | | | | | | | | | | |
| Number of spores/sample | 6 | | | 27 | | | 11 | | | 14 | | | 8 | | |
| Fungal fragments (0-3 +) | 0+ | | | 0+ | | | 0+ | | | 0+ | | | 0+ | | |
| Non-fungal material (0-3 +) | 2+ | | | 2+ | | | 2+ | | | 1+ | | | 2+ | | |
| TOTAL SPORES/M³ | 80 | | | 360 | | | 147 | | | 187 | | | 107 | | |

Note:

1. *Aspergillus/Penicillium* type spores may include those of *Acremonium*, *Paecilomyces*, *Trichoderma* and others.
2. A scale of 0+ to 3+ (indicating increasing amount) is used to rate abundance of fungal fragments and non-fungal material, with 3+ indicating the most abundance.
3. The presence of a large amount of dust debris may obscure some spores to be counted. Spore counts from samples with 3+ non-fungal material and/or 3+ fungal material may be treated as under-counts.
4. Unidentified spores are those lacking distinguishable characteristics for correct identification. Colorless are colorless spores lacking distinguishable characteristics.
5. These results are only related to the sample(s) analyzed.

EMC LAB REPORT NUMBER: 97377
 Client's Job/Project No.: 4240323
 Analyst:

| Client's Sample ID | A6 | | | A7 | | | | | | | | | | | |
|---------------------------------------|------------------------------|----|-----------------------|-------------------------------|----|-----------------------|---------|---|-----------------------|---------|---|-----------------------|---------|---|-----------------------|
| EMC Lab Sample No. | 412074 | | | 412075 | | | | | | | | | | | |
| Sampling Date | Aug 28/24 | | | Aug 28/24 | | | | | | | | | | | |
| Description/Location | Interior reference / room 2A | | | Exterior reference / outdoors | | | | | | | | | | | |
| Air Volume (m ³) | 0.075 | | | 0.075 | | | | | | | | | | | |
| Fungal Spores | raw ct. | % | spores/m ³ | raw ct. | % | spores/m ³ | raw ct. | % | spores/m ³ | raw ct. | % | spores/m ³ | raw ct. | % | spores/m ³ |
| <i>Alternaria</i> | | | | | | | | | | | | | | | |
| <i>Arthrinium</i> | | | | | | | | | | | | | | | |
| Ascospores | | | | 90 | 14 | 1200 | | | | | | | | | |
| <i>Aspergillus/Penicillium</i> type | 20 | 91 | 267 | 4 | 1 | 53 | | | | | | | | | |
| Basidiospores | | | | 65 | 10 | 867 | | | | | | | | | |
| <i>Cercospora</i> | | | | | | | | | | | | | | | |
| <i>Chaetomium</i> | | | | | | | | | | | | | | | |
| <i>Cladosporium</i> | | | | 134 | 21 | 1787 | | | | | | | | | |
| Colorless | 2 | 9 | 27 | 350 | 54 | 4667 | | | | | | | | | |
| <i>Curvularia</i> | | | | | | | | | | | | | | | |
| <i>Drechslera/Bipolaris</i> group | | | | | | | | | | | | | | | |
| <i>Epicoccum</i> | | | | | | | | | | | | | | | |
| <i>Fusarium</i> | | | | | | | | | | | | | | | |
| <i>Nigrospora</i> | | | | | | | | | | | | | | | |
| <i>Oidium</i> | | | | 1 | 0 | 13 | | | | | | | | | |
| <i>Pithomyces</i> | | | | | | | | | | | | | | | |
| <i>Polythrincium</i> | | | | | | | | | | | | | | | |
| Rusts | | | | 2 | 0 | 27 | | | | | | | | | |
| Smuts, <i>Periconia</i> , Myxomycetes | | | | 1 | 0 | 13 | | | | | | | | | |
| <i>Stachybotrys</i> | | | | | | | | | | | | | | | |
| <i>Ulocladium</i> | | | | | | | | | | | | | | | |
| Unidentified spores | | | | | | | | | | | | | | | |
| Number of spores/sample | 22 | | | 647 | | | | | | | | | | | |
| Fungal fragments (0-3 +) | 0+ | | | 0+ | | | | | | | | | | | |
| Non-fungal material (0-3 +) | 2+ | | | 2+ | | | | | | | | | | | |
| TOTAL SPORES/M³ | 293 | | | 8,627 | | | | | | | | | | | |

Note:

1. *Aspergillus/Penicillium* type spores may include those of *Acremonium*, *Paecilomyces*, *Trichoderma* and others.
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