

# COMMUNITY INFORMATION BULLETIN

## Air Quality Test Results: St. Edmund Catholic Elementary School

September 6, 2024

The following email from Safetech Environmental Ltd. provides a high level overview of the results of the air quality testing undertaken at St. Edmund Catholic Elementary School on August 23, 2024. The ensuing Laboratory Analysis Report provides further detail on the test results.

**Sent:** August 28, 2024 5:56 PM

**Subject:** St. Edmund Separate School (1250 Melton Drive) - Mould Air Sampling Results

*Results of the mould air samples obtained from the designated areas at the above noted address (A1-A9) were deemed to exhibit **Normal Conditions**, where the quality of air (with respect to mould spores) is not considered to be degraded.*

*The air samples indicated that the distribution of airborne mould spores in these areas were similar to that of the interior and exterior control samples, with the total concentration of airborne mould spores in the sampled areas significantly lower than that detected in the exterior control sample and similar/lower to that detected in the interior control sample (main office).*

***These results do not indicate the presence of significant airborne mould amplification sites within the indoor areas sampled.***

*Additionally, our visual inspections performed throughout the previously loss-impacted areas did not indicate the presence of any obvious mould growth to accessible building materials. In general, the previously impacted areas appeared to be adequately cleaned.*

For information and reference.

To:

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

**EMC LAB REPORT NUMBER:** 97307  
**Job/Project Name:** 1250 Melton Drive  
**Job/Project No:** 5240415 **No. of Samples:** 11  
**Sample Type:** Allergenco-D **Date Received:** Aug 23/24  
**Analysis Method(s):** Fungal Spore Counting  
**Date Analyzed:** Aug 28/24 **Date Reported:** Aug 28/24  
**Analyst:**  
**Approved By:**



Client's Sample ID	A1			A2			A3			A4			A5		
EMC Lab Sample No.	411781			411782			411783			411784			411785		
Sampling Date	Aug 23/24			Aug 23/24			Aug 23/24			Aug 23/24			Aug 23/24		
Description/Location	Portable 1			Portable 2			Portable 3			Portable 4			Room 110A / 110B		
Air Volume (m <sup>3</sup> )	0.075			0.075			0.075			0.075			0.075		
Fungal Spores	raw ct.	%	spores/m <sup>3</sup>	raw ct.	%	spores/m <sup>3</sup>	raw ct.	%	spores/m <sup>3</sup>	raw ct.	%	spores/m <sup>3</sup>	raw ct.	%	spores/m <sup>3</sup>
<i>Alternaria</i>															
<i>Arthrinium</i>															
Ascospores	1	6	13	1	8	13				2	6	27	1	1	13
<i>Aspergillus/Penicillium</i> type	1	6	13	2	17	27	5	33	67	6	19	80	55	75	733
Basidiospores	1	6	13	3	25	40	2	13	27	2	6	27	5	7	67
<i>Cercospora</i>															
<i>Chaetomium</i>															
<i>Cladosporium</i>	5	31	67	2	17	27	1	7	13	12	38	160	5	7	67
Colorless	7	44	93	3	25	40	6	40	80	9	28	120	7	10	93
<i>Curvularia</i>															
<i>Drechslera/Bipolaris</i> group															
<i>Epicoccum</i>															
<i>Fusarium</i>															
<i>Nigrospora</i>															
<i>Oidium</i>															
<i>Pithomyces</i>				1	8	13									
<i>Polythrincium</i>															
Rusts							1	7	13	1	3	13			
Smuts, <i>Periconia</i> , Myxomycetes															
<i>Stachybotrys</i>	1	6	13												
<i>Torula</i>															
<i>Ulocladium</i>															
Unidentified spores															
Number of spores/sample	16			12			15			32			73		
Fungal fragments (0-3 +)	0+			0+			0+			0+			0+		
Non-fungal material (0-3 +)	2+			2+			2+			2+			2+		
<b>TOTAL SPORES/M<sup>3</sup></b>	<b>213</b>			<b>160</b>			<b>200</b>			<b>427</b>			<b>973</b>		

Note:

- Aspergillus/Penicillium* type spores may include those of *Acremonium*, *Paecilomyces*, *Trichoderma* and others.
- 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.
- 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.
- Unidentified spores are those lacking distinguishable characteristics for correct identification. Colorless are colorless spores lacking distinguishable characteristics.
- These results are only related to the sample(s) analyzed.

EMC Scientific Inc. 5800 Ambler Drive, Suite 100, Mississauga, ON L4W 4J4 Tel 905 629 9247, Fax 905 629 2607  
AIHA EMPAT Participant (Lab ID# 174080)

EMC LAB REPORT NUMBER: 97307  
 Client's Job/Project No.: 5240415  
 Analyst:

Client's Sample ID	A6			A7			A8			A9			A10		
EMC Lab Sample No.	411786			411787			411788			411789			411790		
Sampling Date	Aug 23/24			Aug 23/24			Aug 23/24			Aug 23/24			Aug 23/24		
Description/Location	Room 109			Gym			Room 108			Room 107B			Interior control: main office		
Air Volume (m <sup>3</sup> )	0.075			0.075			0.075			0.075			0.075		
Fungal Spores	raw ct.	%	spores/m <sup>3</sup>	raw ct.	%	spores/m <sup>3</sup>	raw ct.	%	spores/m <sup>3</sup>	raw ct.	%	spores/m <sup>3</sup>	raw ct.	%	spores/m <sup>3</sup>
<i>Alternaria</i>															
<i>Arthrinium</i>															
Ascospores	1	5	13	1	3	13				1	11	13	1	9	13
<i>Aspergillus/Penicillium</i> type	2	11	27	10	32	133	1	14	13	3	33	40	2	18	27
Basidiospores	1	5	13	4	13	53	1	14	13	2	22	27	2	18	27
<i>Cercospora</i>															
<i>Chaetomium</i>															
<i>Cladosporium</i>	9	47	120	8	26	107	2	29	27	1	11	13	2	18	27
Colorless	4	21	53	7	23	93	3	43	40	2	22	27	3	27	40
<i>Curvularia</i>															
<i>Drechslera/Bipolaris</i> group															
<i>Epicoccum</i>															
<i>Fusarium</i>															
<i>Nigrospora</i>															
<i>Oidium</i>															
<i>Pithomyces</i>				1	3	13									
<i>Polythrincium</i>															
Rusts	2	11	27												
Smuts, <i>Periconia</i> , Myxomycetes													1	9	13
<i>Stachybotrys</i>															
<i>Torula</i>															
<i>Ulocladium</i>															
Unidentified spores															
Number of spores/sample	19			31			7			9			11		
Fungal fragments (0-3 +)	0+			0+			0+			0+			0+		
Non-fungal material (0-3 +)	2+			2+			2+			1+			2+		
<b>TOTAL SPORES/M<sup>3</sup></b>	<b>253</b>			<b>413</b>			<b>93</b>			<b>120</b>			<b>147</b>		

Note:

- Aspergillus/Penicillium* type spores may include those of *Acremonium*, *Paecilomyces*, *Trichoderma* and others.
- 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.
- 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.
- Unidentified spores are those lacking distinguishable characteristics for correct identification. Colorless are colorless spores lacking distinguishable characteristics.
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EMC LAB REPORT NUMBER: 97307  
 Client's Job/Project No.: 5240415  
 Analyst:

<b>Client's Sample ID</b>	<b>A11</b>														
EMC Lab Sample No.	411791														
Sampling Date	Aug 23/24														
Description/Location	Exterior control: outdoors														
Air Volume (m <sup>3</sup> )	0.075														
<b>Fungal Spores</b>	raw ct.	%	spores/m <sup>3</sup>	raw ct.	%	spores/m <sup>3</sup>	raw ct.	%	spores/m <sup>3</sup>	raw ct.	%	spores/m <sup>3</sup>	raw ct.	%	spores/m <sup>3</sup>
<i>Alternaria</i>	1	0	13												
<i>Arthriniium</i>															
Ascospores	44	12	587												
<i>Aspergillus/Penicillium</i> type	8	2	107												
Basidiospores	72	19	960												
<i>Cercospora</i>															
<i>Chaetomium</i>															
<i>Cladosporium</i>	76	20	1013												
Colorless	170	45	2267												
<i>Curvularia</i>															
<i>Drechslera/Bipolaris</i> group															
<i>Epicoccum</i>	2	1	27												
<i>Fusarium</i>															
<i>Nigrospora</i>															
<i>Oidium</i>															
<i>Pithomyces</i>	2	1	27												
<i>Polythrincium</i>	3	1	40												
Rusts															
Smuts, <i>Periconia</i> , Myxomycetes															
<i>Stachybotrys</i>															
<i>Torula</i>	2	1	27												
<i>Ulocladium</i>															
Unidentified spores															
Number of spores/sample	380														
Fungal fragments (0-3 +)		0+													
Non-fungal material (0-3 +)		2+													
<b>TOTAL SPORES/M<sup>3</sup></b>		<b>5,067</b>													

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  - 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.
  - 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.
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