



LRC Indoor Testing and Research
 200 Commonwealth Ct, Suite 101
 Cary, NC 27511
 (919) 342-4936

Certificate of Laboratory Analysis

Non-Viable Spore Trap Analysis

Dare County Schools

Ian Adams

3020 S, Wrightville Avenue

Nags Head, NC

Project #: 25-1415

Project Location: First fLight Middle School

109 Veteran Drive

Kill Devil Hills, NC

Project Type: IAQ

PO/Claim #: -

Table 1: Non-Viable Air Samples

Date Collected:	4/21/25	4/21/25	4/21/25	4/21/25	4/21/25
	1	2	3	4	5
Spore Identification	Cafeteria	Gym	H112	Hall @ J 122	J 106
<i>Cladosporium</i>	27	13	27	27	-
Ascospores	13	40	27	27	13
Basidiospores ²	-	27	13	-	-
Smuts, <i>Periconia</i> , <i>Myxomycetes</i> ⁴	13	27	13	13	40
<i>Penicillium/Aspergillus</i> Group ¹	27	40	-	-	-
Hyphal Elements ³	27	13	-	-	27
<i>Alternaria</i>	-	-	-	-	-
<i>Curvularia</i>	-	-	27	-	-
<i>Epicoccum</i>	-	-	-	-	-
<i>Cercospora</i>	-	-	-	-	-
<i>Arthrimum</i>	-	-	-	-	-
Clear Brown	-	-	-	-	-
Colorless	-	-	-	-	-
<i>Trichocladium</i>	-	-	-	-	-
Unidentified	-	-	-	-	-
<i>Ulocladium</i>	-	-	-	-	-
<i>Torula</i>	-	-	-	-	-
<i>Pithomyces</i>	-	-	-	-	-
Rust ⁵	-	-	-	-	-
<i>Drechslera/Bipolaris</i>	-	-	-	-	-
<i>Tetraploa</i>	-	-	-	-	-
<i>Chaetomium</i>	-	-	-	-	-
<i>Stachybotrys</i>	-	-	-	-	-
	-	-	-	-	-
Total Spores/m³	107	160	107	67	80
Particulate Level	low	low-moderate	low-moderate	low	low
Date Analyzed:	4/24/25	4/24/25	4/24/25	4/24/25	4/24/25

Analyzed by: Cathy A. Richmond, B.S.

The results reported by LRC are a record of the microbes identified by our laboratory staff. We assume responsibility over analysis conducted in the laboratory, but cannot assume responsibility for activities completed in the field by the client, other personnel associated with the samples submitted, or other activities beyond the laboratory. Any information given other than microbial information, is provided as general reference information from published sources and is not an extension of liability to LRC.



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Table 1: Non-Viable Air Samples

Date Collected:	4/21/25	4/21/25	4/21/25	4/21/25	4/21/25
	6	7	8	9	10
Spore Identification	A 104	A 107	K 129	K 118	Hall @ K125
<i>Cladosporium</i>	40	53	53	13	13
Ascospores	-	27	13	13	40
Basidiospores ²	-	13	27	27	13
Smuts, <i>Periconia</i> , Myxomycetes ⁴	13	-	-	-	-
<i>Penicillium/Aspergillus</i> Group ¹	13	53	-	40	13
Hyphal Elements ³	27	13	-	13	13
<i>Alternaria</i>	-	-	-	-	-
<i>Curvularia</i>	-	-	-	-	-
<i>Epicoccum</i>	-	-	-	-	-
<i>Cercospora</i>	-	-	-	-	-
<i>Arthrimum</i>	-	-	-	-	-
Clear Brown	-	-	-	-	-
Colorless	-	-	-	-	-
<i>Trichocladium</i>	-	-	-	-	-
Unidentified	-	-	13	-	-
<i>Ulocladium</i>	-	-	-	-	-
Torula	-	-	-	-	-
Pithomyces	-	-	-	-	-
Rust ⁵	13	-	-	-	-
<i>Drechslera/Bipolaris</i>	-	-	-	-	-
<i>Tetraploa</i>	-	-	-	-	-
<i>Chaetomium</i>	-	-	-	-	-
<i>Stachybotrys</i>	-	-	-	-	-
	-	-	-	-	-
Total Spores/m³	107	160	107	107	93
Particulate Level	low	low	low	low	low
Date Analyzed:	4/24/25	4/24/25	4/24/25	4/24/25	4/24/25

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 109 Veteran Drive
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Project Type: IAQ
PO/Claim #: -

Table 1: Non-Viable Air Samples

Date Collected:	4/21/25	4/21/25	4/21/25	4/21/25	4/21/25
	11	12	13	14	15
Spore Identification	Media	L 111	L 155	L 149	M 106
<i>Cladosporium</i>	-	27	27	27	-
Ascospores	27	-	53	53	-
Basidiospores ²	-	13	-	-	-
Smuts, <i>Periconia</i> , <i>Myxomycetes</i> ⁴	13	-	27	-	13
<i>Penicillium/Aspergillus</i> Group ¹	13	-	53	-	13
Hyphal Elements ³	-	-	27	27	13
<i>Alternaria</i>	13	-	-	-	-
<i>Curvularia</i>	-	-	13	-	-
<i>Epicoccum</i>	-	-	-	-	-
<i>Cercospora</i>	-	-	-	-	-
<i>Arthrimum</i>	-	-	-	-	-
Clear Brown	-	-	-	-	-
Colorless	-	-	-	-	-
<i>Trichocladium</i>	-	-	-	-	-
Unidentified	-	-	-	-	-
<i>Ulocladium</i>	-	-	-	-	-
Torula	-	-	-	-	-
<i>Pithomyces</i>	-	-	-	-	-
Rust ⁵	-	-	-	-	-
<i>Drechslera/Bipolaris</i>	-	-	-	-	-
<i>Tetraploa</i>	-	-	-	-	-
<i>Chaetomium</i>	-	-	-	-	-
<i>Stachybotrys</i>	-	-	-	-	-
	-	-	-	-	-
Total Spores/m³	67	40	200	107	40
Particulate Level	low	low	low-moderate	low	low
Date Analyzed:	4/24/25	4/24/25	4/24/25	4/24/25	4/24/25

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Kill Devil Hills, NC

Project Type: IAQ

PO/Claim #: –

Table 1: Non-Viable Air Samples

Date Collected:	4/21/25	4/21/25	4/21/25	4/21/25	4/21/25
	16	17	18	19	20
Spore Identification	M 110	M 118	G 102	J 123	Office
<i>Cladosporium</i>	27	27	13	40	13
Ascospores	-	13	-	13	27
Basidiospores ²	-	27	40	-	13
Smuts, <i>Periconia</i> , <i>Myxomycetes</i> ⁴	-	-	40	27	-
<i>Penicillium</i> / <i>Aspergillus</i> Group ¹	-	13	27	13	13
Hyphal Elements ³	27	-	-	-	-
<i>Alternaria</i>	-	-	-	-	-
<i>Curvularia</i>	-	-	-	-	-
<i>Epicoccum</i>	-	-	-	-	-
<i>Cercospora</i>	-	-	-	-	-
<i>Arthrimum</i>	-	-	-	-	-
Clear Brown	-	-	-	-	-
Colorless	-	-	-	-	-
<i>Trichocladium</i>	-	-	-	-	-
Unidentified	-	-	-	-	-
<i>Ulocladium</i>	-	-	-	-	-
<i>Torula</i>	-	-	-	-	-
<i>Pithomyces</i>	-	-	-	-	-
Rust ⁵	-	-	-	-	-
<i>Drechslera</i> / <i>Bipolaris</i>	-	-	-	-	-
<i>Tetraploa</i>	-	-	-	-	-
<i>Chaetomium</i>	-	-	-	-	-
<i>Stachybotrys</i>	-	-	-	-	-
	-	-	-	-	-
Total Spores/m³	53	80	120	93	67
Particulate Level	low	low	low	low	low
Date Analyzed:	4/24/25	4/24/25	4/24/25	1/0/00	4/24/25

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Project Type: IAQ

PO/Claim #: —

Table 1: Non-Viable Air Samples

Date Collected:	4/21/25
Spore Identification	21
	Outdoor air
<i>Cladosporium</i>	227
Ascospores	213
Basidiospores ²	93
Smuts, <i>Periconia</i> , Myxomycetes ⁴	67
<i>Penicillium/Aspergillus</i> Group ¹	67
Hyphal Elements ³	40
<i>Alternaria</i>	27
<i>Curvularia</i>	13
<i>Epicoccum</i>	-
<i>Cercospora</i>	-
<i>Arthrimum</i>	-
Clear Brown	-
Colorless	-
Trichocladium	-
Unidentified	-
<i>Ulocladium</i>	-
Torula	-
Pithomyces	-
Rust ⁵	-
<i>Drechslera/Bipolaris</i>	13
<i>Tetraploa</i>	-
<i>Chaetomium</i>	-
<i>Stachybotrys</i>	-
	-
Total Spores/m³	760
Particulate Level	moderate
Date Analyzed:	4/24/25

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Project #: 25-1415

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Kill Devil Hills, NC

Project Type: IAQ

PO/Claim #: —

Sample Number: 1

Sample Location: Cafeteria

Date Collected: 4/21/25

Test Requested: Non-viable spore trap analysis

Date Analyzed: 4/24/25

Volume (L): 75

Percentage of Slide Read: 100.0%

Detection Limit: 13.33

Particulate Level: low

Notes:

Spore Identification	Count	Results	Units	Percentage
<i>Cladosporium</i>	2	27	spores/m ³	25%
Ascospores	1	13	spores/m ³	13%
Basidiospores		-	spores/m ³	-
Smuts, <i>Periconia</i> , Myxomycetes	1	13	spores/m ³	13%
<i>Penicillium/Aspergillus</i> Group	2	27	spores/m ³	25%
Hyphal Elements	2	27	spores/m ³	25%
<i>Alternaria</i>		-	spores/m ³	-
<i>Curvularia</i>		-	spores/m ³	-
<i>Epicoecum</i>		-	spores/m ³	-
<i>Cercospora</i>		-	spores/m ³	-
<i>Arthrrium</i>		-	spores/m ³	-
Clear Brown		-	spores/m ³	-
Colorless		-	spores/m ³	-
<i>Trichocladium</i>		-	spores/m ³	-
Unidentified		-	spores/m ³	-
<i>Ulocladium</i>		-	spores/m ³	-
Torula		-	spores/m ³	-
<i>Pithomyces</i>		-	spores/m ³	-
Rust		-	spores/m ³	-
<i>Drechslera/Bipolaris</i>		-	spores/m ³	-
<i>Tetraploa</i>		-	spores/m ³	-
<i>Chaetomium</i>		-	spores/m ³	-
<i>Stachybotrys</i>		-	spores/m ³	-
		-	spores/m ³	-
Total Spores	8	107	spores/m³	

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Project Type: IAQ

PO/Claim #: —

Sample Number: 2

Sample Location: Gym

Date Collected: 4/21/25

Test Requested: Non-viable spore trap analysis

Date Analyzed: 4/24/25

Volume (L): 75

Percentage of Slide Read: 100.0%

Detection Limit: 13.33

Particulate Level: low-moderate

Notes:

Spore Identification	Count	Results	Units	Percentage
<i>Cladosporium</i>	1	13	spores/m ³	8%
Ascospores	3	40	spores/m ³	25%
Basidiospores	2	27	spores/m ³	17%
Smuts, <i>Periconia</i> , Myxomycetes	2	27	spores/m ³	17%
<i>Penicillium/Aspergillus</i> Group	3	40	spores/m ³	25%
Hyphal Elements	1	13	spores/m ³	8%
<i>Alternaria</i>		-	spores/m ³	-
<i>Curvularia</i>		-	spores/m ³	-
<i>Epicoecum</i>		-	spores/m ³	-
<i>Cercospora</i>		-	spores/m ³	-
<i>Arthrimum</i>		-	spores/m ³	-
Clear Brown		-	spores/m ³	-
Colorless		-	spores/m ³	-
<i>Trichocladium</i>		-	spores/m ³	-
Unidentified		-	spores/m ³	-
<i>Ulocladium</i>		-	spores/m ³	-
Torula		-	spores/m ³	-
<i>Pithomyces</i>		-	spores/m ³	-
Rust		-	spores/m ³	-
<i>Drechslera/Bipolaris</i>		-	spores/m ³	-
<i>Tetraploa</i>		-	spores/m ³	-
<i>Chaetomium</i>		-	spores/m ³	-
<i>Stachybotrys</i>		-	spores/m ³	-
		-	spores/m ³	-
Total Spores	12	160	spores/m³	

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Project Location: First fLight Middle School
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Kill Devil Hills, NC

Project Type: IAQ

PO/Claim #: —

Sample Number: 3

Sample Location: H112

Date Collected: 4/21/25

Test Requested: Non-viable spore trap analysis

Date Analyzed: 4/24/25

Volume (L): 75

Percentage of Slide Read: 100.0%

Detection Limit: 13.33

Particulate Level: low-moderate

Notes:

Spore Identification	Count	Results	Units	Percentage
<i>Cladosporium</i>	2	27	spores/m ³	25%
Ascospores	2	27	spores/m ³	25%
Basidiospores	1	13	spores/m ³	13%
Smuts, <i>Periconia</i> , Myxomycetes	1	13	spores/m ³	13%
<i>Penicillium/Aspergillus</i> Group		-	spores/m ³	-
Hyphal Elements		-	spores/m ³	-
<i>Alternaria</i>		-	spores/m ³	-
<i>Curvularia</i>	2	27	spores/m ³	25%
<i>Epicoecum</i>		-	spores/m ³	-
<i>Cercospora</i>		-	spores/m ³	-
<i>Arthrrium</i>		-	spores/m ³	-
Clear Brown		-	spores/m ³	-
Colorless		-	spores/m ³	-
<i>Trichocladium</i>		-	spores/m ³	-
Unidentified		-	spores/m ³	-
<i>Ulocladium</i>		-	spores/m ³	-
Torula		-	spores/m ³	-
<i>Pithomyces</i>		-	spores/m ³	-
Rust		-	spores/m ³	-
<i>Drechslera/Bipolaris</i>		-	spores/m ³	-
<i>Tetraploa</i>		-	spores/m ³	-
<i>Chaetomium</i>		-	spores/m ³	-
<i>Stachybotrys</i>		-	spores/m ³	-
		-	spores/m ³	-
Total Spores	8	107	spores/m³	

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Project Type: IAQ
PO/Claim #: —

Sample Number: 4
Sample Location: Hall @ J 122
Date Collected: 4/21/25
Test Requested: Non-viable spore trap analysis
Date Analyzed: 4/24/25

Volume (L): 75
Percentage of Slide Read: 100.0%
Detection Limit: 13.33
Particulate Level: low
Notes: —

Spore Identification	Count	Results	Units	Percentage
<i>Cladosporium</i>	2	27	spores/m ³	40%
Ascospores	2	27	spores/m ³	40%
Basidiospores		-	spores/m ³	-
Smuts, <i>Periconia</i> , Myxomycetes	1	13	spores/m ³	20%
<i>Penicillium/Aspergillus</i> Group		-	spores/m ³	-
Hyphal Elements		-	spores/m ³	-
<i>Alternaria</i>		-	spores/m ³	-
<i>Curvularia</i>		-	spores/m ³	-
<i>Epicoccum</i>		-	spores/m ³	-
<i>Cercospora</i>		-	spores/m ³	-
<i>Arthrrium</i>		-	spores/m ³	-
Clear Brown		-	spores/m ³	-
Colorless		-	spores/m ³	-
<i>Trichocladium</i>		-	spores/m ³	-
Unidentified		-	spores/m ³	-
<i>Ulocladium</i>		-	spores/m ³	-
Torula		-	spores/m ³	-
<i>Pithomyces</i>		-	spores/m ³	-
Rust		-	spores/m ³	-
<i>Drechslera/Bipolaris</i>		-	spores/m ³	-
<i>Tetraploa</i>		-	spores/m ³	-
<i>Chaetomium</i>		-	spores/m ³	-
<i>Stachybotrys</i>		-	spores/m ³	-
		-	spores/m ³	-
Total Spores	5	67	spores/m³	

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Project #: 25-1415

Project Location: First fLight Middle School

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Kill Devil Hills, NC

Project Type: IAQ

PO/Claim #: —

Sample Number: 5

Sample Location: J 106

Date Collected: 4/21/25

Test Requested: Non-viable spore trap analysis

Date Analyzed: 4/24/25

Volume (L): 75

Percentage of Slide Read: 100.0%

Detection Limit: 13.33

Particulate Level: low

Notes:

Spore Identification	Count	Results	Units	Percentage
<i>Cladosporium</i>		-	spores/m ³	-
Ascospores	1	13	spores/m ³	17%
Basidiospores		-	spores/m ³	-
Smuts, <i>Periconia</i> , Myxomycetes	3	40	spores/m ³	50%
<i>Penicillium/Aspergillus</i> Group		-	spores/m ³	-
Hyphal Elements	2	27	spores/m ³	33%
<i>Alternaria</i>		-	spores/m ³	-
<i>Curvularia</i>		-	spores/m ³	-
<i>Epicoccum</i>		-	spores/m ³	-
<i>Cercospora</i>		-	spores/m ³	-
<i>Arthrrium</i>		-	spores/m ³	-
Clear Brown		-	spores/m ³	-
Colorless		-	spores/m ³	-
<i>Trichocladium</i>		-	spores/m ³	-
Unidentified		-	spores/m ³	-
<i>Ulocladium</i>		-	spores/m ³	-
Torula		-	spores/m ³	-
<i>Pithomyces</i>		-	spores/m ³	-
Rust		-	spores/m ³	-
<i>Drechslera/Bipolaris</i>		-	spores/m ³	-
<i>Tetraploa</i>		-	spores/m ³	-
<i>Chaetomium</i>		-	spores/m ³	-
<i>Stachybotrys</i>		-	spores/m ³	-
		-	spores/m ³	-
Total Spores	6	80	spores/m³	

Analyzed by: Cathy A. Richmond, B.S.



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Project #: 25-1415

Project Location: First fLight Middle School

109 Veteran Drive

Kill Devil Hills, NC

Project Type: IAQ

PO/Claim #: —

Sample Number: 6

Sample Location: A 104

Date Collected: 4/21/25

Test Requested: Non-viable spore trap analysis

Date Analyzed: 4/24/25

Volume (L): 75

Percentage of Slide Read: 100.0%

Detection Limit: 13.33

Particulate Level: low

Notes: —

Spore Identification	Count	Results	Units	Percentage
<i>Cladosporium</i>	3	40	spores/m ³	38%
Ascospores		-	spores/m ³	-
Basidiospores		-	spores/m ³	-
Smuts, <i>Periconia</i> , Myxomycetes	1	13	spores/m ³	13%
<i>Penicillium/Aspergillus</i> Group	1	13	spores/m ³	13%
Hyphal Elements	2	27	spores/m ³	25%
<i>Alternaria</i>		-	spores/m ³	-
<i>Curvularia</i>		-	spores/m ³	-
<i>Epicoecum</i>		-	spores/m ³	-
<i>Cercospora</i>		-	spores/m ³	-
<i>Arthrrium</i>		-	spores/m ³	-
Clear Brown		-	spores/m ³	-
Colorless		-	spores/m ³	-
<i>Trichocladium</i>		-	spores/m ³	-
Unidentified		-	spores/m ³	-
<i>Ulocladium</i>		-	spores/m ³	-
Torula		-	spores/m ³	-
<i>Pithomyces</i>		-	spores/m ³	-
Rust	1	13	spores/m ³	13%
<i>Drechslera/Bipolaris</i>		-	spores/m ³	-
<i>Tetraploa</i>		-	spores/m ³	-
<i>Chaetomium</i>		-	spores/m ³	-
<i>Stachybotrys</i>		-	spores/m ³	-
		-	spores/m ³	-
Total Spores	8	107	spores/m³	

Analyzed by: Cathy A. Richmond, B.S.



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Certificate of Laboratory Analysis

Non-Viable Spore Trap Analysis

Dare County Schools

Ian Adams

3020 S, Wrightville Avenue

Nags Head, NC

—

Project #: 25-1415

Project Location: First fLight Middle School
109 Veteran Drive
Kill Devil Hills, NC

Project Type: IAQ

PO/Claim #: —

Sample Number: 7

Sample Location: A 107

Date Collected: 4/21/25

Test Requested: Non-viable spore trap analysis

Date Analyzed: 4/24/25

Volume (L): 75

Percentage of Slide Read: 100.0%

Detection Limit: 13.33

Particulate Level: low

Notes:

Spore Identification	Count	Results	Units	Percentage
<i>Cladosporium</i>	4	53	spores/m ³	33%
Ascospores	2	27	spores/m ³	17%
Basidiospores	1	13	spores/m ³	8%
Smuts, <i>Periconia</i> , Myxomycetes		-	spores/m ³	-
<i>Penicillium/Aspergillus</i> Group	4	53	spores/m ³	33%
Hyphal Elements	1	13	spores/m ³	8%
<i>Alternaria</i>		-	spores/m ³	-
<i>Curvularia</i>		-	spores/m ³	-
<i>Epicoccum</i>		-	spores/m ³	-
<i>Cercospora</i>		-	spores/m ³	-
<i>Arthrrium</i>		-	spores/m ³	-
Clear Brown		-	spores/m ³	-
Colorless		-	spores/m ³	-
<i>Trichocladium</i>		-	spores/m ³	-
Unidentified		-	spores/m ³	-
<i>Ulocladium</i>		-	spores/m ³	-
Torula		-	spores/m ³	-
<i>Pithomyces</i>		-	spores/m ³	-
Rust		-	spores/m ³	-
<i>Drechslera/Bipolaris</i>		-	spores/m ³	-
<i>Tetraploa</i>		-	spores/m ³	-
<i>Chaetomium</i>		-	spores/m ³	-
<i>Stachybotrys</i>		-	spores/m ³	-
		-	spores/m ³	-
Total Spores	12	160	spores/m³	

Analyzed by: Cathy A. Richmond, B.S.



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Non-Viable Spore Trap Analysis

Dare County Schools

Ian Adams

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Nags Head, NC

—

Project #: 25-1415

Project Location: First fLight Middle School
109 Veteran Drive
Kill Devil Hills, NC

Project Type: IAQ

PO/Claim #: —

Sample Number: 8

Sample Location: K 129

Date Collected: 4/21/25

Test Requested: Non-viable spore trap analysis

Date Analyzed: 4/24/25

Volume (L): 75

Percentage of Slide Read: 100.0%

Detection Limit: 13.33

Particulate Level: low

Notes:

Spore Identification	Count	Results	Units	Percentage
<i>Cladosporium</i>	4	53	spores/m ³	50%
Ascospores	1	13	spores/m ³	13%
Basidiospores	2	27	spores/m ³	25%
Smuts, <i>Periconia</i> , Myxomycetes		-	spores/m ³	-
<i>Penicillium/Aspergillus</i> Group		-	spores/m ³	-
Hyphal Elements		-	spores/m ³	-
<i>Alternaria</i>		-	spores/m ³	-
<i>Curvularia</i>		-	spores/m ³	-
<i>Epicoccum</i>		-	spores/m ³	-
<i>Cercospora</i>		-	spores/m ³	-
<i>Arthrrium</i>		-	spores/m ³	-
Clear Brown		-	spores/m ³	-
Colorless		-	spores/m ³	-
<i>Trichocladium</i>		-	spores/m ³	-
Unidentified	1	13	spores/m ³	13%
<i>Ulocladium</i>		-	spores/m ³	-
Torula		-	spores/m ³	-
<i>Pithomyces</i>		-	spores/m ³	-
Rust		-	spores/m ³	-
<i>Drechslera/Bipolaris</i>		-	spores/m ³	-
<i>Tetraploa</i>		-	spores/m ³	-
<i>Chaetomium</i>		-	spores/m ³	-
<i>Stachybotrys</i>		-	spores/m ³	-
		-	spores/m ³	-
Total Spores	8	107	spores/m³	

Analyzed by: Cathy A. Richmond, B.S.



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Dare County Schools

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Project #: 25-1415

Project Location: First fLight Middle School
109 Veteran Drive
Kill Devil Hills, NC

Project Type: IAQ

PO/Claim #: —

Sample Number: 9

Sample Location: K 118

Date Collected: 4/21/25

Test Requested: Non-viable spore trap analysis

Date Analyzed: 4/24/25

Volume (L): 75

Percentage of Slide Read: 100.0%

Detection Limit: 13.33

Particulate Level: low

Notes:

Spore Identification	Count	Results	Units	Percentage
<i>Cladosporium</i>	1	13	spores/m ³	13%
Ascospores	1	13	spores/m ³	13%
Basidiospores	2	27	spores/m ³	25%
Smuts, <i>Periconia</i> , Myxomycetes		-	spores/m ³	-
<i>Penicillium/Aspergillus</i> Group	3	40	spores/m ³	38%
Hyphal Elements	1	13	spores/m ³	13%
<i>Alternaria</i>		-	spores/m ³	-
<i>Curvularia</i>		-	spores/m ³	-
<i>Epicoccum</i>		-	spores/m ³	-
<i>Cercospora</i>		-	spores/m ³	-
<i>Arthrinium</i>		-	spores/m ³	-
Clear Brown		-	spores/m ³	-
Colorless		-	spores/m ³	-
<i>Trichocladium</i>		-	spores/m ³	-
Unidentified		-	spores/m ³	-
<i>Ulocladium</i>		-	spores/m ³	-
Torula		-	spores/m ³	-
<i>Pithomyces</i>		-	spores/m ³	-
Rust		-	spores/m ³	-
<i>Drechslera/Bipolaris</i>		-	spores/m ³	-
<i>Tetraploa</i>		-	spores/m ³	-
<i>Chaetomium</i>		-	spores/m ³	-
<i>Stachybotrys</i>		-	spores/m ³	-
		-	spores/m ³	-
Total Spores	8	107	spores/m³	

Analyzed by: Cathy A. Richmond, B.S.



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Dare County Schools
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Project #: 25-1415
Project Location: First fLight Middle School
 109 Veteran Drive
 Kill Devil Hills, NC
Project Type: IAQ
PO/Claim #: —

Sample Number: 10
Sample Location: Hall @ K125
Date Collected: 4/21/25
Test Requested: Non-viable spore trap analysis
Date Analyzed: 4/24/25

Volume (L): 75
Percentage of Slide Read: 100.0%
Detection Limit: 13.33
Particulate Level: low
Notes: —

Spore Identification	Count	Results	Units	Percentage
<i>Cladosporium</i>	1	13	spores/m ³	14%
Ascospores	3	40	spores/m ³	43%
Basidiospores	1	13	spores/m ³	14%
Smuts, <i>Periconia</i> , Myxomycetes		-	spores/m ³	-
<i>Penicillium/Aspergillus</i> Group	1	13	spores/m ³	14%
Hyphal Elements	1	13	spores/m ³	14%
<i>Alternaria</i>		-	spores/m ³	-
<i>Curvularia</i>		-	spores/m ³	-
<i>Epicoccum</i>		-	spores/m ³	-
<i>Cercospora</i>		-	spores/m ³	-
<i>Arthrimum</i>		-	spores/m ³	-
Clear Brown		-	spores/m ³	-
Colorless		-	spores/m ³	-
<i>Trichocladium</i>		-	spores/m ³	-
Unidentified		-	spores/m ³	-
<i>Ulocladium</i>		-	spores/m ³	-
Torula		-	spores/m ³	-
<i>Pithomyces</i>		-	spores/m ³	-
Rust		-	spores/m ³	-
<i>Drechslera/Bipolaris</i>		-	spores/m ³	-
<i>Tetraploa</i>		-	spores/m ³	-
<i>Chaetomium</i>		-	spores/m ³	-
<i>Stachybotrys</i>		-	spores/m ³	-
		-	spores/m ³	-
Total Spores	7	93	spores/m³	

Analyzed by: Cathy A. Richmond, B.S.



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Dare County Schools

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Project #: 25-1415

Project Location: First fLight Middle School
109 Veteran Drive
Kill Devil Hills, NC

Project Type: IAQ

PO/Claim #: —

Sample Number: 11

Sample Location: Media

Date Collected: 4/21/25

Test Requested: Non-viable spore trap analysis

Date Analyzed: 4/24/25

Volume (L): 75

Percentage of Slide Read: 100.0%

Detection Limit: 13.33

Particulate Level: low

Notes:

Spore Identification	Count	Results	Units	Percentage
<i>Cladosporium</i>		-	spores/m ³	-
Ascospores	2	27	spores/m ³	40%
Basidiospores		-	spores/m ³	-
Smuts, <i>Periconia</i> , Myxomycetes	1	13	spores/m ³	20%
<i>Penicillium/Aspergillus</i> Group	1	13	spores/m ³	20%
Hyphal Elements		-	spores/m ³	-
<i>Alternaria</i>	1	13	spores/m ³	20%
<i>Curvularia</i>		-	spores/m ³	-
<i>Epicoccum</i>		-	spores/m ³	-
<i>Cercospora</i>		-	spores/m ³	-
<i>Arthrrium</i>		-	spores/m ³	-
Clear Brown		-	spores/m ³	-
Colorless		-	spores/m ³	-
<i>Trichocladium</i>		-	spores/m ³	-
Unidentified		-	spores/m ³	-
<i>Ulocladium</i>		-	spores/m ³	-
Torula		-	spores/m ³	-
<i>Pithomyces</i>		-	spores/m ³	-
Rust		-	spores/m ³	-
<i>Drechslera/Bipolaris</i>		-	spores/m ³	-
<i>Tetraploa</i>		-	spores/m ³	-
<i>Chaetomium</i>		-	spores/m ³	-
<i>Stachybotrys</i>		-	spores/m ³	-
		-	spores/m ³	-
Total Spores	5	67	spores/m³	

Analyzed by: Cathy A. Richmond, B.S.



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Dare County Schools

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Project #: 25-1415

Project Location: First fLight Middle School
109 Veteran Drive
Kill Devil Hills, NC

Project Type: IAQ

PO/Claim #: —

Sample Number: 12

Sample Location: L 111

Date Collected: 4/21/25

Test Requested: Non-viable spore trap analysis

Date Analyzed: 4/24/25

Volume (L): 75

Percentage of Slide Read: 100.0%

Detection Limit: 13.33

Particulate Level: low

Notes:

Spore Identification	Count	Results	Units	Percentage
<i>Cladosporium</i>	2	27	spores/m ³	67%
Ascospores		-	spores/m ³	-
Basidiospores	1	13	spores/m ³	33%
Smuts, <i>Periconia</i> , Myxomycetes		-	spores/m ³	-
<i>Penicillium/Aspergillus</i> Group		-	spores/m ³	-
Hyphal Elements		-	spores/m ³	-
<i>Alternaria</i>		-	spores/m ³	-
<i>Curvularia</i>		-	spores/m ³	-
<i>Epicoccum</i>		-	spores/m ³	-
<i>Cercospora</i>		-	spores/m ³	-
<i>Arthrrium</i>		-	spores/m ³	-
Clear Brown		-	spores/m ³	-
Colorless		-	spores/m ³	-
<i>Trichocladium</i>		-	spores/m ³	-
Unidentified		-	spores/m ³	-
<i>Ulocladium</i>		-	spores/m ³	-
Torula		-	spores/m ³	-
<i>Pithomyces</i>		-	spores/m ³	-
Rust		-	spores/m ³	-
<i>Drechslera/Bipolaris</i>		-	spores/m ³	-
<i>Tetraploa</i>		-	spores/m ³	-
<i>Chaetomium</i>		-	spores/m ³	-
<i>Stachybotrys</i>		-	spores/m ³	-
		-	spores/m ³	-
Total Spores	3	40	spores/m³	

Analyzed by: Cathy A. Richmond, B.S.



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Non-Viable Spore Trap Analysis

Dare County Schools

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Nags Head, NC

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Project #: 25-1415

Project Location: First fLight Middle School
109 Veteran Drive
Kill Devil Hills, NC

Project Type: IAQ

PO/Claim #: —

Sample Number: 13

Sample Location: L 155

Date Collected: 4/21/25

Test Requested: Non-viable spore trap analysis

Date Analyzed: 4/24/25

Volume (L): 75

Percentage of Slide Read: 100.0%

Detection Limit: 13.33

Particulate Level: low-moderate

Notes:

Spore Identification	Count	Results	Units	Percentage
<i>Cladosporium</i>	2	27	spores/m ³	13%
Ascospores	4	53	spores/m ³	27%
Basidiospores		-	spores/m ³	-
Smuts, <i>Periconia</i> , Myxomycetes	2	27	spores/m ³	13%
<i>Penicillium/Aspergillus</i> Group	4	53	spores/m ³	27%
Hyphal Elements	2	27	spores/m ³	13%
<i>Alternaria</i>		-	spores/m ³	-
<i>Curvularia</i>	1	13	spores/m ³	7%
<i>Epicoccum</i>		-	spores/m ³	-
<i>Cercospora</i>		-	spores/m ³	-
<i>Arthrrium</i>		-	spores/m ³	-
Clear Brown		-	spores/m ³	-
Colorless		-	spores/m ³	-
<i>Trichocladium</i>		-	spores/m ³	-
Unidentified		-	spores/m ³	-
<i>Ulocladium</i>		-	spores/m ³	-
Torula		-	spores/m ³	-
<i>Pithomyces</i>		-	spores/m ³	-
Rust		-	spores/m ³	-
<i>Drechslera/Bipolaris</i>		-	spores/m ³	-
<i>Tetraploa</i>		-	spores/m ³	-
<i>Chaetomium</i>		-	spores/m ³	-
<i>Stachybotrys</i>		-	spores/m ³	-
		-	spores/m ³	-
Total Spores	15	200	spores/m³	

Analyzed by: Cathy A. Richmond, B.S.



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Dare County Schools

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Nags Head, NC

—

Project #: 25-1415

Project Location: First fLight Middle School
109 Veteran Drive
Kill Devil Hills, NC

Project Type: IAQ

PO/Claim #: —

Sample Number: 14

Sample Location: L 149

Date Collected: 4/21/25

Test Requested: Non-viable spore trap analysis

Date Analyzed: 4/24/25

Volume (L): 75

Percentage of Slide Read: 100.0%

Detection Limit: 13.33

Particulate Level: low

Notes:

Spore Identification	Count	Results	Units	Percentage
<i>Cladosporium</i>	2	27	spores/m ³	25%
Ascospores	4	53	spores/m ³	50%
Basidiospores		-	spores/m ³	-
Smuts, <i>Periconia</i> , Myxomycetes		-	spores/m ³	-
<i>Penicillium/Aspergillus</i> Group		-	spores/m ³	-
Hyphal Elements	2	27	spores/m ³	25%
<i>Alternaria</i>		-	spores/m ³	-
<i>Curvularia</i>		-	spores/m ³	-
<i>Epicoccum</i>		-	spores/m ³	-
<i>Cercospora</i>		-	spores/m ³	-
<i>Arthrrium</i>		-	spores/m ³	-
Clear Brown		-	spores/m ³	-
Colorless		-	spores/m ³	-
<i>Trichocladium</i>		-	spores/m ³	-
Unidentified		-	spores/m ³	-
<i>Ulocladium</i>		-	spores/m ³	-
Torula		-	spores/m ³	-
<i>Pithomyces</i>		-	spores/m ³	-
Rust		-	spores/m ³	-
<i>Drechslera/Bipolaris</i>		-	spores/m ³	-
<i>Tetraploa</i>		-	spores/m ³	-
<i>Chaetomium</i>		-	spores/m ³	-
<i>Stachybotrys</i>		-	spores/m ³	-
		-	spores/m ³	-
Total Spores	8	107	spores/m³	

Analyzed by: Cathy A. Richmond, B.S.



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Non-Viable Spore Trap Analysis

Dare County Schools

Ian Adams

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Nags Head, NC

—

Project #: 25-1415

Project Location: First fLight Middle School
109 Veteran Drive
Kill Devil Hills, NC

Project Type: IAQ

PO/Claim #: —

Sample Number: 15

Sample Location: M 106

Date Collected: 4/21/25

Test Requested: Non-viable spore trap analysis

Date Analyzed: 4/24/25

Volume (L): 75

Percentage of Slide Read: 100.0%

Detection Limit: 13.33

Particulate Level: low

Notes:

Spore Identification	Count	Results	Units	Percentage
<i>Cladosporium</i>		-	spores/m ³	-
Ascospores		-	spores/m ³	-
Basidiospores		-	spores/m ³	-
Smuts, <i>Periconia</i> , Myxomycetes	1	13	spores/m ³	33%
<i>Penicillium/Aspergillus</i> Group	1	13	spores/m ³	33%
Hyphal Elements	1	13	spores/m ³	33%
<i>Alternaria</i>		-	spores/m ³	-
<i>Curvularia</i>		-	spores/m ³	-
<i>Epicoccum</i>		-	spores/m ³	-
<i>Cercospora</i>		-	spores/m ³	-
<i>Arthrinium</i>		-	spores/m ³	-
Clear Brown		-	spores/m ³	-
Colorless		-	spores/m ³	-
<i>Trichocladium</i>		-	spores/m ³	-
Unidentified		-	spores/m ³	-
<i>Ulocladium</i>		-	spores/m ³	-
Torula		-	spores/m ³	-
<i>Pithomyces</i>		-	spores/m ³	-
Rust		-	spores/m ³	-
<i>Drechslera/Bipolaris</i>		-	spores/m ³	-
<i>Tetraploa</i>		-	spores/m ³	-
<i>Chaetomium</i>		-	spores/m ³	-
<i>Stachybotrys</i>		-	spores/m ³	-
		-	spores/m ³	-
Total Spores	3	40	spores/m³	

Analyzed by: Cathy A. Richmond, B.S.



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Non-Viable Spore Trap Analysis

Dare County Schools
Ian Adams
3020 S, Wrightville Avenue
Nags Head, NC

Project #: 25-1415
Project Location: First fLight Middle School
 109 Veteran Drive
 Kill Devil Hills, NC
Project Type: IAQ
PO/Claim #: —

Sample Number: 16
Sample Location: M 110
Date Collected: 4/21/25
Test Requested: Non-viable spore trap analysis
Date Analyzed: 4/24/25

Volume (L): 75
Percentage of Slide Read: 100.0%
Detection Limit: 13.33
Particulate Level: low
Notes: —

Spore Identification	Count	Results	Units	Percentage
<i>Cladosporium</i>	2	27	spores/m ³	50%
Ascospores		-	spores/m ³	-
Basidiospores		-	spores/m ³	-
Smuts, <i>Periconia</i> , Myxomycetes		-	spores/m ³	-
<i>Penicillium/Aspergillus</i> Group		-	spores/m ³	-
Hyphal Elements	2	27	spores/m ³	50%
<i>Alternaria</i>		-	spores/m ³	-
<i>Curvularia</i>		-	spores/m ³	-
<i>Epicoccum</i>		-	spores/m ³	-
<i>Cercospora</i>		-	spores/m ³	-
<i>Arthrrium</i>		-	spores/m ³	-
Clear Brown		-	spores/m ³	-
Colorless		-	spores/m ³	-
<i>Trichocladium</i>		-	spores/m ³	-
Unidentified		-	spores/m ³	-
<i>Ulocladium</i>		-	spores/m ³	-
Torula		-	spores/m ³	-
<i>Pithomyces</i>		-	spores/m ³	-
Rust		-	spores/m ³	-
<i>Drechslera/Bipolaris</i>		-	spores/m ³	-
<i>Tetraploa</i>		-	spores/m ³	-
<i>Chaetomium</i>		-	spores/m ³	-
<i>Stachybotrys</i>		-	spores/m ³	-
		-	spores/m ³	-
Total Spores	4	53	spores/m³	

Analyzed by: Cathy A. Richmond, B.S.



LRC Indoor Testing and Research
200 Commonwealth Ct, Suite 101
Cary, NC 27511
(919) 342-4936

Certificate of Laboratory Analysis

Non-Viable Spore Trap Analysis

Dare County Schools

Ian Adams

3020 S, Wrightville Avenue

Nags Head, NC

—

Project #: 25-1415

Project Location: First fLight Middle School
109 Veteran Drive
Kill Devil Hills, NC

Project Type: IAQ

PO/Claim #: —

Sample Number: 17

Sample Location: M 118

Date Collected: 4/21/25

Test Requested: Non-viable spore trap analysis

Date Analyzed: 4/24/25

Volume (L): 75

Percentage of Slide Read: 100.0%

Detection Limit: 13.33

Particulate Level: low

Notes:

Spore Identification	Count	Results	Units	Percentage
<i>Cladosporium</i>	2	27	spores/m ³	33%
Ascospores	1	13	spores/m ³	17%
Basidiospores	2	27	spores/m ³	33%
Smuts, <i>Periconia</i> , Myxomycetes		-	spores/m ³	-
<i>Penicillium/Aspergillus</i> Group	1	13	spores/m ³	17%
Hyphal Elements		-	spores/m ³	-
<i>Alternaria</i>		-	spores/m ³	-
<i>Curvularia</i>		-	spores/m ³	-
<i>Epicoccum</i>		-	spores/m ³	-
<i>Cercospora</i>		-	spores/m ³	-
<i>Arthrrium</i>		-	spores/m ³	-
Clear Brown		-	spores/m ³	-
Colorless		-	spores/m ³	-
<i>Trichocladium</i>		-	spores/m ³	-
Unidentified		-	spores/m ³	-
<i>Ulocladium</i>		-	spores/m ³	-
Torula		-	spores/m ³	-
<i>Pithomyces</i>		-	spores/m ³	-
Rust		-	spores/m ³	-
<i>Drechslera/Bipolaris</i>		-	spores/m ³	-
<i>Tetraploa</i>		-	spores/m ³	-
<i>Chaetomium</i>		-	spores/m ³	-
<i>Stachybotrys</i>		-	spores/m ³	-
		-	spores/m ³	-
Total Spores	6	80	spores/m³	

Analyzed by: Cathy A. Richmond, B.S.



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Non-Viable Spore Trap Analysis

Dare County Schools

Ian Adams

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Nags Head, NC

—

Project #: 25-1415

Project Location: First fLight Middle School
109 Veteran Drive
Kill Devil Hills, NC

Project Type: IAQ

PO/Claim #: —

Sample Number: 18

Sample Location: G 102

Date Collected: 4/21/25

Test Requested: Non-viable spore trap analysis

Date Analyzed: 4/24/25

Volume (L): 75

Percentage of Slide Read: 100.0%

Detection Limit: 13.33

Particulate Level: low

Notes:

Spore Identification	Count	Results	Units	Percentage
<i>Cladosporium</i>	1	13	spores/m ³	11%
Ascospores		-	spores/m ³	-
Basidiospores	3	40	spores/m ³	33%
Smuts, <i>Periconia</i> , Myxomycetes	3	40	spores/m ³	33%
<i>Penicillium/Aspergillus</i> Group	2	27	spores/m ³	22%
Hyphal Elements		-	spores/m ³	-
<i>Alternaria</i>		-	spores/m ³	-
<i>Curvularia</i>		-	spores/m ³	-
<i>Epicoccum</i>		-	spores/m ³	-
<i>Cercospora</i>		-	spores/m ³	-
<i>Arthrrium</i>		-	spores/m ³	-
Clear Brown		-	spores/m ³	-
Colorless		-	spores/m ³	-
<i>Trichocladium</i>		-	spores/m ³	-
Unidentified		-	spores/m ³	-
<i>Ulocladium</i>		-	spores/m ³	-
Torula		-	spores/m ³	-
<i>Pithomyces</i>		-	spores/m ³	-
Rust		-	spores/m ³	-
<i>Drechslera/Bipolaris</i>		-	spores/m ³	-
<i>Tetraploa</i>		-	spores/m ³	-
<i>Chaetomium</i>		-	spores/m ³	-
<i>Stachybotrys</i>		-	spores/m ³	-
		-	spores/m ³	-
Total Spores	9	120	spores/m³	

Analyzed by: Cathy A. Richmond, B.S.



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—

Project #: 25-1415

Project Location: First fLight Middle School
109 Veteran Drive
Kill Devil Hills, NC

Project Type: IAQ

PO/Claim #: —

Sample Number: 19

Sample Location: J 123

Date Collected: 4/21/25

Test Requested: Non-viable spore trap analysis

Date Analyzed:

Volume (L): 75

Percentage of Slide Read: 100.0%

Detection Limit: 13.33

Particulate Level: low

Notes:

Spore Identification	Count	Results	Units	Percentage
<i>Cladosporium</i>	3	40	spores/m ³	43%
Ascospores	1	13	spores/m ³	14%
Basidiospores		-	spores/m ³	-
Smuts, <i>Periconia</i> , Myxomycetes	2	27	spores/m ³	29%
<i>Penicillium/Aspergillus</i> Group	1	13	spores/m ³	14%
Hyphal Elements		-	spores/m ³	-
<i>Alternaria</i>		-	spores/m ³	-
<i>Curvularia</i>		-	spores/m ³	-
<i>Epicoccum</i>		-	spores/m ³	-
<i>Cercospora</i>		-	spores/m ³	-
<i>Arthrrium</i>		-	spores/m ³	-
Clear Brown		-	spores/m ³	-
Colorless		-	spores/m ³	-
<i>Trichocladium</i>		-	spores/m ³	-
Unidentified		-	spores/m ³	-
<i>Ulocladium</i>		-	spores/m ³	-
Torula		-	spores/m ³	-
<i>Pithomyces</i>		-	spores/m ³	-
Rust		-	spores/m ³	-
<i>Drechslera/Bipolaris</i>		-	spores/m ³	-
<i>Tetraploa</i>		-	spores/m ³	-
<i>Chaetomium</i>		-	spores/m ³	-
<i>Stachybotrys</i>		-	spores/m ³	-
		-	spores/m ³	-
Total Spores	7	93	spores/m³	

Analyzed by: Cathy A. Richmond, B.S.



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Dare County Schools

Ian Adams

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Nags Head, NC

—

Project #: 25-1415

Project Location: First fLight Middle School
109 Veteran Drive
Kill Devil Hills, NC

Project Type: IAQ

PO/Claim #: —

Sample Number: 20

Sample Location: Office

Date Collected: 4/21/25

Test Requested: Non-viable spore trap analysis

Date Analyzed: 4/24/25

Volume (L): 75

Percentage of Slide Read: 100.0%

Detection Limit: 13.33

Particulate Level: low

Notes:

Spore Identification	Count	Results	Units	Percentage
<i>Cladosporium</i>	1	13	spores/m ³	20%
Ascospores	2	27	spores/m ³	40%
Basidiospores	1	13	spores/m ³	20%
Smuts, <i>Periconia</i> , Myxomycetes		-	spores/m ³	-
<i>Penicillium/Aspergillus</i> Group	1	13	spores/m ³	20%
Hyphal Elements		-	spores/m ³	-
<i>Alternaria</i>		-	spores/m ³	-
<i>Curvularia</i>		-	spores/m ³	-
<i>Epicoccum</i>		-	spores/m ³	-
<i>Cercospora</i>		-	spores/m ³	-
<i>Arthrrium</i>		-	spores/m ³	-
Clear Brown		-	spores/m ³	-
Colorless		-	spores/m ³	-
<i>Trichocladium</i>		-	spores/m ³	-
Unidentified		-	spores/m ³	-
<i>Ulocladium</i>		-	spores/m ³	-
Torula		-	spores/m ³	-
<i>Pithomyces</i>		-	spores/m ³	-
Rust		-	spores/m ³	-
<i>Drechslera/Bipolaris</i>		-	spores/m ³	-
<i>Tetraploa</i>		-	spores/m ³	-
<i>Chaetomium</i>		-	spores/m ³	-
<i>Stachybotrys</i>		-	spores/m ³	-
		-	spores/m ³	-
Total Spores	5	67	spores/m³	

Analyzed by: Cathy A. Richmond, B.S.



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Non-Viable Spore Trap Analysis

Dare County Schools

Ian Adams

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—

Project #: 25-1415

Project Location: First fLight Middle School
109 Veteran Drive
Kill Devil Hills, NC

Project Type: IAQ

PO/Claim #: —

Sample Number: 21

Sample Location: Outdoor air

Date Collected: 4/21/25

Test Requested: Non-viable spore trap analysis

Date Analyzed: 4/24/25

Volume (L): 75

Percentage of Slide Read: 100.0%

Detection Limit: 13.33

Particulate Level: moderate

Notes:

Spore Identification	Count	Results	Units	Percentage
<i>Cladosporium</i>	17	227	spores/m ³	30%
Ascospores	16	213	spores/m ³	28%
Basidiospores	7	93	spores/m ³	12%
Smuts, <i>Periconia</i> , Myxomycetes	5	67	spores/m ³	9%
<i>Penicillium/Aspergillus</i> Group	5	67	spores/m ³	9%
Hyphal Elements	3	40	spores/m ³	5%
<i>Alternaria</i>	2	27	spores/m ³	4%
<i>Curvularia</i>	1	13	spores/m ³	2%
<i>Epicoecum</i>		-	spores/m ³	-
<i>Cercospora</i>		-	spores/m ³	-
<i>Arthrimum</i>		-	spores/m ³	-
Clear Brown		-	spores/m ³	-
Colorless		-	spores/m ³	-
<i>Trichocladium</i>		-	spores/m ³	-
Unidentified		-	spores/m ³	-
<i>Ulocladium</i>		-	spores/m ³	-
Torula		-	spores/m ³	-
<i>Pithomyces</i>		-	spores/m ³	-
Rust		-	spores/m ³	-
<i>Drechslera/Bipolaris</i>	1	13	spores/m ³	2%
<i>Tetraploa</i>		-	spores/m ³	-
<i>Chaetomium</i>		-	spores/m ³	-
<i>Stachybotrys</i>		-	spores/m ³	-
		-	spores/m ³	-
Total Spores	57	760	spores/m³	

Analyzed by: Cathy A. Richmond, B.S.



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Non-Viable Spore Trap Analysis

Project #: 25-1415

Report Information:

DETECTION LIMITS (DL) for samples are the minimum number of spores or colonies forming units that can be satisfactorily identified for each sample type.

SPORE TRAP SAMPLES: Calculations based on volume of air sampled & percentage of slide counted, i.e. DL = 1000 L / 75 L if 100% of the slide is counted.

CODE 11: Fungal content and/or particulate level on slide too heavy to identify and enumerate fungal content.

Footnotes:

1. *Penicillium/Aspergillus* group spores are characterized by their small size, round to ovoid shape, being unicellular and usually colorless to lightly pigmented. There are numerous genera of fungi whose spore morphology is similar to that of the *Penicillium/Aspergillus* type. Several common examples would be *Acremonium*, *Paecilomyces*, and *Trichoderma*. Although the majority of spores placed in this group are *Penicillium*, *Aspergillus*, or a combination of both, these are not the only two possibilities.
2. Basidiospores are primarily transported indoors from outdoor sources and rarely grow indoors. A high basidiospore count indoors can be indicative of a wood decay problem or wet soil, and should be verified if and an outdoor source of the spores is not present.
3. Hyphae are the tubular filaments of fungi. Hyphae can fragment and become airborne much like spores and are potentially allergenic.
4. The Smut, *Periconia*, Myxomycete group is a group composed of three different types of organisms whose spores have similar morphologies. Smuts are plant pathogens, *Periconia* is a relatively uncommon mold indoors, and Myxomycetes are not fungi, but slime molds. Although these organisms do not typically proliferate indoors, their spores are potentially allergenic.
5. Rusts are plant pathogens. These fungi do not typically grow indoors unless an infected plant is present. Rust spores are potentially allergenic.

Direct Microscopic Exam Reporting:

We use a 400x-600x magnification microscope.

Reporting Quantification Levels are as follows:

Reporting Level	Quantitative Description
Occasional	1-10 per square inch
Few	11-100 per square inch
Moderate	101-1000 per square inch
Numerous	More than 1,000 per square inch

Submitted By Analyst:

Cathy A. Richmond, BS
4/24/2025