



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. Wrightsville Avenue
 Nags Head, NC

Project #: 26-1552
Project Location: Administrative Office
 3020 S. Wrightsville Avenue
 Nags Head, NC
Project Type: IAQ
PO/Claim #: —

Table 1: Non-Viable Air Samples

Date Collected:	6/8/26	6/8/26	6/8/26	6/8/26	6/8/26
	1	2	3	4	5
Spore Identification	Reception	Hall @ 117/119	Board Room reception	Small Conference	Office 142
<i>Cladosporium</i>	13	40	40	13	40
Ascospores	-	13	-	-	27
Basidiospores ²	-	13	-	-	27
Smuts, <i>Periconia</i> , <i>Myxomycetes</i> ⁴	27	-	40	-	40
<i>Penicillium/Aspergillus</i> Group ¹	-	-	13	13	13
Hyphal Elements ³	13	13	-	40	-
<i>Alternaria</i>	13	-	-	-	-
<i>Curvularia</i>	-	27	13	-	-
<i>Epicoccum</i>	13	-	13	-	-
<i>Cercospora</i>	-	-	-	-	-
<i>Arthrinium</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	80	107	120	67	147
Particulate Level	low-moderate	moderate	low	low	low-moderate
Date Analyzed:	6/24/26	6/24/26	6/24/26	6/24/26	6/24/26

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

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Table 1: Non-Viable Air Samples

Date Collected:	6/8/26	6/8/26	6/8/26	6/8/26	6/8/26
	6	7	8	9	10
Spore Identification	Hall at 143	201 Kitchen	Hall at 280	Office 260	Hall at 248
<i>Cladosporium</i>	40	27	13	13	13
Ascospores	13	-	-	13	-
Basidiospores ²	13	27	-	27	-
Smuts, <i>Periconia</i> , <i>Myxomycetes</i> ⁴	13	-	-	13	-
<i>Penicillium/Aspergillus</i> Group ¹	67	-	27	-	-
Hyphal Elements ³	13	-	-	-	-
<i>Alternaria</i>	-	-	-	-	-
<i>Curvularia</i>	-	-	-	-	-
<i>Epicoccum</i>	-	-	-	-	-
<i>Cercospora</i>	-	-	-	-	-
<i>Arthrimum</i>	-	-	-	-	-
Clear Brown	-	-	-	-	-
Colorless	-	-	-	-	-
<i>Trichocladium</i>	-	-	-	-	13
Unidentified	13	-	-	-	-
<i>Ulocladium</i>	-	-	-	-	-
<i>Torula</i>	-	-	-	-	-
<i>Pithomyces</i>	-	-	-	-	-
Rust ⁵	-	-	-	-	-
<i>Drechslera/Bipolaris</i>	13	-	-	-	-
<i>Tetraploa</i>	-	-	-	-	-
<i>Chaetomium</i>	-	-	-	-	-
<i>Stachybotrys</i>	-	-	-	-	-
	-	-	-	-	-
Total Spores/m³	187	53	40	67	27
Particulate Level	moderate	low-moderate	low-moderate	low-moderate	low-moderate
Date Analyzed:	6/24/26	6/24/26	6/24/26	6/24/26	6/24/26

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Project #: 26-1552

Project Location: Administrative Office
3020 S. Wrightsville Avenue
Nags Head, NC

Project Type: IAQ

PO/Claim #: —

Table 1: Non-Viable Air Samples

Date Collected:	6/8/26	6/8/26
	11	12
Spore Identification	Office 230	Outdoor Air
<i>Cladosporium</i>	27	133
Ascospores	-	1867
Basidiospores ²	53	133
Smuts, <i>Periconia</i> , <i>Myxomycetes</i> ⁴	27	27
<i>Penicillium/Aspergillus</i> Group ¹	27	80
Hyphal Elements ³	27	53
<i>Alternaria</i>	-	-
<i>Curvularia</i>	-	27
<i>Epicoccum</i>	-	-
<i>Cercospora</i>	-	27
<i>Arthrinium</i>	-	-
Clear Brown	-	-
Colorless	-	-
<i>Trichocladium</i>	-	-
Unidentified	-	-
<i>Ulocladium</i>	-	-
Torula	-	-
Pithomyces	-	-
Rust ⁵	-	-
<i>Drechslera/Bipolaris</i>	-	-
<i>Tetraploa</i>	-	-
<i>Chaetomium</i>	-	-
<i>Stachybotrys</i>	-	-
	-	-
Total Spores/m ³	160	2347
Particulate Level	low	low
Date Analyzed:	6/24/26	6/24/26

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Project Location: Administrative Office
3020 S. Wrightsville Avenue
Nags Head, NC
Project Type: IAQ
PO/Claim #: —

Sample Number: 1
Sample Location: Reception
Date Collected: 6/8/26
Test Requested: Non-viable spore trap analysis
Date Analyzed: 6/24/26
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	17%
Ascospores		-	spores/m ³	-
Basidiospores		-	spores/m ³	-
Smuts, <i>Periconia</i> , Myxomycetes	2	27	spores/m ³	33%
<i>Penicillium/Aspergillus</i> Group		-	spores/m ³	-
Hyphal Elements	1	13	spores/m ³	17%
<i>Alternaria</i>	1	13	spores/m ³	17%
<i>Curvularia</i>		-	spores/m ³	-
<i>Epicoccum</i>	1	13	spores/m ³	17%
<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	

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Sample Number: 2
Sample Location: Hall @ 117/119
Date Collected: 6/8/26
Test Requested: Non-viable spore trap analysis
Date Analyzed: 6/24/26
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>	3	40	spores/m ³	38%
Ascospores	1	13	spores/m ³	13%
Basidiospores	1	13	spores/m ³	13%
Smuts, <i>Periconia</i> , Myxomycetes		-	spores/m ³	-
<i>Penicillium/Aspergillus</i> Group		-	spores/m ³	-
Hyphal Elements	1	13	spores/m ³	13%
<i>Alternaria</i>		-	spores/m ³	-
<i>Curvularia</i>	2	27	spores/m ³	25%
<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	

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Sample Number: 3
Sample Location: Board Room reception
Date Collected: 6/8/26
Test Requested: Non-viable spore trap analysis
Date Analyzed: 6/24/26
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	33%
Ascospores		-	spores/m ³	-
Basidiospores		-	spores/m ³	-
Smuts, <i>Periconia</i> , Myxomycetes	3	40	spores/m ³	33%
<i>Penicillium/Aspergillus</i> Group	1	13	spores/m ³	11%
Hyphal Elements		-	spores/m ³	-
<i>Alternaria</i>		-	spores/m ³	-
<i>Curvularia</i>	1	13	spores/m ³	11%
<i>Epicoccum</i>	1	13	spores/m ³	11%
<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	

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Sample Number: 4
Sample Location: Small Conference
Date Collected: 6/8/26
Test Requested: Non-viable spore trap analysis
Date Analyzed: 6/24/26
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		-	spores/m ³	-
Basidiospores		-	spores/m ³	-
Smuts, <i>Periconia</i> , Myxomycetes		-	spores/m ³	-
<i>Penicillium/Aspergillus</i> Group	1	13	spores/m ³	20%
Hyphal Elements	3	40	spores/m ³	60%
<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 Type: IAQ
PO/Claim #: —

Sample Number: 5
Sample Location: Office 142
Date Collected: 6/8/26
Test Requested: Non-viable spore trap analysis
Date Analyzed: 6/24/26

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>	3	40	spores/m ³	27%
Ascospores	2	27	spores/m ³	18%
Basidiospores	2	27	spores/m ³	18%
Smuts, <i>Periconia</i> , Myxomycetes	3	40	spores/m ³	27%
<i>Penicillium/Aspergillus</i> Group	1	13	spores/m ³	9%
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	11	147	spores/m³	

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Project Type: IAQ
PO/Claim #: —

Sample Number: 6
Sample Location: Hall at 143
Date Collected: 6/8/26
Test Requested: Non-viable spore trap analysis
Date Analyzed: 6/24/26
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>	3	40	spores/m ³	21%
Ascospores	1	13	spores/m ³	7%
Basidiospores	1	13	spores/m ³	7%
Smuts, <i>Periconia</i> , Myxomycetes	1	13	spores/m ³	7%
<i>Penicillium/Aspergillus</i> Group	5	67	spores/m ³	36%
Hyphal Elements	1	13	spores/m ³	7%
<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	7%
<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	7%
<i>Tetraploa</i>		-	spores/m ³	-
<i>Chaetomium</i>		-	spores/m ³	-
<i>Stachybotrys</i>		-	spores/m ³	-
		-	spores/m ³	-
Total Spores	14	187	spores/m³	

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Project #: 26-1552
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Project Type: IAQ
PO/Claim #: —

Sample Number: 7
Sample Location: 201 Kitchen
Date Collected: 6/8/26
Test Requested: Non-viable spore trap analysis
Date Analyzed: 6/24/26
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	50%
Ascospores		-	spores/m ³	-
Basidiospores	2	27	spores/m ³	50%
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	4	53	spores/m³	

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Project #: 26-1552
Project Location: Administrative Office
3020 S. Wrightsville Avenue
Nags Head, NC
Project Type: IAQ
PO/Claim #: —

Sample Number: 8
Sample Location: Hall at 280
Date Collected: 6/8/26
Test Requested: Non-viable spore trap analysis
Date Analyzed: 6/24/26
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	33%
Ascospores		-	spores/m ³	-
Basidiospores		-	spores/m ³	-
Smuts, <i>Periconia</i> , Myxomycetes		-	spores/m ³	-
<i>Penicillium/Aspergillus</i> Group	2	27	spores/m ³	67%
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.



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. Wrightsville Avenue
Nags Head, NC

Project #: 26-1552
Project Location: Administrative Office
3020 S. Wrightsville Avenue
Nags Head, NC
Project Type: IAQ
PO/Claim #: —

Sample Number: 9
Sample Location: Office 260
Date Collected: 6/8/26
Test Requested: Non-viable spore trap analysis
Date Analyzed: 6/24/26

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	20%
Ascospores	1	13	spores/m ³	20%
Basidiospores	2	27	spores/m ³	40%
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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Non-Viable Spore Trap Analysis

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

Project #: 26-1552
Project Location: Administrative Office
3020 S. Wrightsville Avenue
Nags Head, NC
Project Type: IAQ
PO/Claim #: —

Sample Number: 10
Sample Location: Hall at 248
Date Collected: 6/8/26
Test Requested: Non-viable spore trap analysis
Date Analyzed: 6/24/26
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	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		-	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>	1	13	spores/m ³	50%
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	2	27	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. Wrightsville Avenue
Nags Head, NC

Project #: 26-1552
Project Location: Administrative Office
3020 S. Wrightsville Avenue
Nags Head, NC
Project Type: IAQ
PO/Claim #: —

Sample Number: 11
Sample Location: Office 230
Date Collected: 6/8/26
Test Requested: Non-viable spore trap analysis
Date Analyzed: 6/24/26

Volume (L): 75
Percentage of Slide Read: 50.0%
Detection Limit: 26.67
Particulate Level: low
Notes: —

Spore Identification	Count	Results	Units	Percentage
<i>Cladosporium</i>	1	27	spores/m ³	17%
Ascospores		-	spores/m ³	-
Basidiospores	2	53	spores/m ³	33%
Smuts, <i>Periconia</i> , Myxomycetes	1	27	spores/m ³	17%
<i>Penicillium/Aspergillus</i> Group	1	27	spores/m ³	17%
Hyphal Elements	1	27	spores/m ³	17%
<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	160	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. Wrightsville Ave
Nags Head, NC

Project #: 26-1552
Project Location: Administrative Office
 3020 S. Wrightsville Ave
 Nags Head, NC
Project Type: IAQ
PO/Claim #: —

Sample Number: 12
Sample Location: Outdoor Air
Date Collected: 6/8/26
Test Requested: Non-viable spore trap analysis
Date Analyzed: 6/24/26

Volume (L): 75
Percentage of Slide Read: 50.0%
Detection Limit: 26.67
Particulate Level: low
Notes: —

Spore Identification	Count	Results	Units	Percentage
<i>Cladosporium</i>	5	133	spores/m ³	6%
Ascospores	70	1867	spores/m ³	80%
Basidiospores	5	133	spores/m ³	6%
Smuts, <i>Periconia</i> , Myxomycetes	1	27	spores/m ³	1%
<i>Penicillium</i> / <i>Aspergillus</i> Group	3	80	spores/m ³	3%
Hyphal Elements	2	53	spores/m ³	2%
<i>Alternaria</i>		-	spores/m ³	-
<i>Curvularia</i>	1	27	spores/m ³	1%
<i>Epicoccum</i>		-	spores/m ³	-
<i>Cercospora</i>	1	27	spores/m ³	1%
<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</i> / <i>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	88	2347	spores/m³	

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



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Non-Viable Spore Trap Analysis

Project #: **26-1552**

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

6/24/2026