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 #: **25-1419**
Project Location: Cape Hatteras Secondary
48576 NC HWY 12
Buxton, NC
Project Type: IAQ
PO/Claim #: _

Table 1: Non-Viable Air Samples

Date Collected:	4/23/25	4/23/25	4/23/25	4/23/25	4/23/25
Spore Identification	1	2	3	4	5
	Admininstation	Cafeteria	CR 303	CR 308	CR 318
Cladosporium	53	13	40	40	27
Ascospores	40	53	147	13	13
Basidiospores[2]	13	-	13	-	13
Smuts, *Periconia* , Myxomycetes[4]	27	-	-	13	27
Penicillium/Aspergillus Group[1]	27	-	13	-	27
Hyphal Elements[3]	27	27	-	-	40
Alternaria	-	-	-	-	13
Curvularia	-	-	13	-	-
Epicoccum	-	-	-	-	-
Cercospora	-	-	-	-	-
Arthrinium	-	-	-	-	-
Clear Brown	-	-	-	-	-
Colorless	-	-	-	-	-
Trichocladium	-	-	-	-	-
Unidentified	-	-	-	-	-
Ulocladium	-	-	-	-	-
Torula	-	-	-	-	-
Pithomyces	-	-	-	-	-
Rust[5]	-	-	-	-	-
Drechslera/Bipolaris	27	-	-	-	-
Tetraploa	-	-	-	-	-
Chaetomium	-	-	-	-	-
Stachybotrys	-	-	-	-	-
	-	-	-	-	-
Total Spores/m^3	**213**	**93**	**227**	**67**	**160**
Particulate Level	**moderate**	**low**	**low-moderate**	**low**	**moderate**
Date Analyzed:	**4/30/25**	**4/30/25**	**4/30/25**	**4/30/25**	**4/30/25**

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Project #: **25-1419**
Project Location: Cape Hatteras Secondary
48576 NC HWY 12
Buxton, NC
Project Type: IAQ
PO/Claim #: _

Table 1: Non-Viable Air Samples

Date Collected:	4/23/25	4/23/25	4/23/25	4/23/25	4/23/25
	6	7	8	9	10
Spore Identification	**CR 319**	**Guidance**	**Media Center**	**CR 207**	**Gymnasium**
Cladosporium	27	27	40	40	67
Ascospores	13	13	40	-	27
Basidiospores[2]	-	-	13	13	40
Smuts, *Periconia* , Myxomycetes[4]	13	-	-	13	13
Penicillium/Aspergillus Group[1]	13	13	40	53	27
Hyphal Elements[3]	13	-	-	13	-
Alternaria	-	-	-	-	-
Curvularia	-	-	-	13	-
Epicoccum	-	-	-	-	-
Cercospora	-	-	-	-	-
Arthrinium	-	-	-	-	-
Clear Brown	-	-	-	-	-
Colorless	-	-	-	-	-
Trichocladium	-	-	-	-	-
Unidentified	-	-	-	-	-
Ulocladium	-	-	-	-	-
Torula	-	-	-	-	-
Pithomyces	-	-	-	-	-
Rust[5]	13	-	-	13	-
Drechslera/Bipolaris	-	-	-	-	-
Tetraploa	-	-	-	-	-
Chaetomium	-	-	-	-	-
Stachybotrys	-	-	-	-	-
	-	-	-	-	-
Total Spores/m^3	**93**	**53**	**133**	**160**	**173**
Particulate Level	**low-moderate**	**low**	**low-moderate**	**low-moderate**	**low-moderate**
Date Analyzed:	**4/30/25**	**4/30/25**	**4/30/25**	**4/30/25**	**4/30/25**

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

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Project #: **25-1419**
Project Location: Cape Hatteras Secondary
48576 NC HWY 12
Buxton, NC
Project Type: IAQ
PO/Claim #: _

Table 1: Non-Viable Air Samples

Date Collected:	4/23/25	4/23/25	4/23/25	4/23/25	4/23/25
Spore Identification	11	12	13	14	15
	Locker Hall	Weight Room	CR 150	Music Room	Auditorium
Cladosporium	27	40	27	40	40
Ascospores	-	27	-	27	13
Basidiospores[2]	27	-	13	13	53
Smuts, *Periconia* , Myxomycetes[4]	67	-	-	-	27
Penicillium/Aspergillus Group[1]	40	27	-	27	53
Hyphal Elements[3]	-	-	27	-	27
Alternaria	-	-	-	-	-
Curvularia	-	-	-	-	27
Epicoccum	13	-	-	-	-
Cercospora	-	-	-	-	-
Arthrinium	-	-	-	-	-
Clear Brown	-	-	-	-	-
Colorless	-	-	-	-	-
Trichocladium	-	-	-	-	-
Unidentified	-	-	-	27	-
Ulocladium	-	-	-	-	-
Torula	-	-	-	-	-
Pithomyces	-	-	13	13	-
Rust[5]	-	-	-	-	-
Drechslera/Bipolaris	-	-	-	-	13
Tetraploa	-	-	-	-	-
Chaetomium	-	-	-	-	-
Stachybotrys	-	-	-	-	-
	-	-	-	-	-
Total Spores/m^3	**173**	**93**	**80**	**147**	**253**
Particulate Level	**low-moderate**	**low**	**low-moderate**	**low-moderate**	**moderate**
Date Analyzed:	**4/30/25**	**4/30/25**	**4/30/25**	**4/30/25**	**4/30/25**

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Project #: **25-1419**
Project Location: Cape Hatteras Secondary
48576 NC HWY 12
Buxton, NC
Project Type: IAQ
PO/Claim #: _

Table 1: Non-Viable Air Samples

Date Collected:	4/23/25	4/23/25	4/23/25	4/23/25	4/23/25
Spore Identification	16	17	18	19	20
	CR 206	CR 220	CR 225	CR 360	CR 353
Cladosporium	27	-	13	27	-
Ascospores	-	13	13	-	27
Basidiospores[2]	13	-	-	-	13
Smuts, *Periconia* , Myxomycetes[4]	-	-	-	-	-
Penicillium/Aspergillus Group[1]	-	-	-	-	-
Hyphal Elements[3]	-	13	13	13	13
Alternaria	-	-	13	-	-
Curvularia	-	-	-	-	-
Epicoccum	-	-	-	-	-
Cercospora	-	-	-	-	-
Arthrinium	-	-	-	-	-
Clear Brown	-	-	-	-	-
Colorless	-	-	-	-	-
Trichocladium	-	-	-	-	-
Unidentified	-	-	-	-	-
Ulocladium	-	-	-	-	-
Torula	-	-	-	-	-
Pithomyces	-	-	-	-	-
Rust[5]	-	-	-	-	-
Drechslera/Bipolaris	-	-	-	-	-
Tetraploa	-	-	-	-	-
Chaetomium	-	-	-	-	-
Stachybotrys	-	-	-	-	-
	-	-	-	-	-
Total Spores/m^3	**40**	**27**	**53**	**40**	**53**
Particulate Level	**low**	**low**	**low**	**low**	**low-moderate**
Date Analyzed:	**4/30/25**	**4/30/25**	**4/30/25**	**4/30/25**	**4/30/25**

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Project #: **25-1419**
Project Location: Cape Hatteras Secondary
48576 NC HWY 12
Buxton, NC
Project Type: IAQ
PO/Claim #: _

Table 1: Non-Viable Air Samples

Date Collected:	4/23/25	4/23/25	4/23/25	4/23/25
	21	22	23	24
Spore Identification	**CR 363**	**CR 221**	**Hall @ CR 153**	**Outdoor Air**
Cladosporium	13	27	40	80
Ascospores	-	13	40	227
Basidiospores[2]	13	13	27	160
Smuts, *Periconia* , Myxomycetes[4]	13	-	-	-
Penicillium/Aspergillus Group[1]	13	13	13	587
Hyphal Elements[3]	-	-	-	-
Alternaria	-	-	-	-
Curvularia	-	-	-	-
Epicoccum	-	-	-	-
Cercospora	-	-	-	-
Arthrinium	-	-	-	-
Clear Brown	-	-	-	-
Colorless	-	-	-	-
Trichocladium	-	-	-	-
Unidentified	-	-	-	-
Ulocladium	-	-	-	-
Torula	-	-	-	-
Pithomyces	-	-	-	-
Rust[5]	-	-	-	-
Drechslera/Bipolaris	-	-	-	-
Tetraploa	-	-	-	-
Chaetomium	-	-	-	-
Stachybotrys	-	-	-	-
	-	-	-	-
Total Spores/m^3	**53**	**67**	**120**	**1053**
Particulate Level	**low-moderate**	**low-moderate**	**low-moderate**	**moderate**
Date Analyzed:	**4/30/25**	**4/30/25**	**4/30/25**	**4/30/25**

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Project #: **25-1419**
Project Location: Cape Hatteras Secondary
48576 NC HWY 12
Buxton, NC
Project Type: IAQ
PO/Claim #: _

Sample Number: 1
Sample Location: Admininstation
Date Collected: 4/23/25
Test Requested: Non-viable spore trap analysis
Date Analyzed: 4/30/25

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

Spore Identification	Count	Results	Units	Percentage
Cladosporium	4	53	spores/m^3	25%
Ascospores	3	40	spores/m^3	19%
Basidiospores	1	13	spores/m^3	6%
Smuts, *Periconia* , Myxomycetes	2	27	spores/m^3	13%
Penicillium/Aspergillus Group	2	27	spores/m^3	13%
Hyphal Elements	2	27	spores/m^3	13%
Alternaria		-	spores/m^3	-
Curvularia		-	spores/m^3	-
Epicoccum		-	spores/m^3	-
Cercospora		-	spores/m^3	-
Arthrinium		-	spores/m^3	-
Clear Brown		-	spores/m^3	-
Colorless		-	spores/m^3	-
Trichocladium		-	spores/m^3	-
Unidentified		-	spores/m^3	-
Ulocladium		-	spores/m^3	-
Torula		-	spores/m^3	-
Pithomyces		-	spores/m^3	-
Rust		-	spores/m^3	-
Drechslera/Bipolaris	2	27	spores/m^3	13%
Tetraploa		-	spores/m^3	-
Chaetomium		-	spores/m^3	-
Stachybotrys		-	spores/m^3	-
		-	spores/m^3	-
Total Spores	**16**	**213**	**spores/m^3**	

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Project Location: Cape Hatteras Secondary
48576 NC HWY 12
Buxton, NC
Project Type: IAQ
PO/Claim #: _

Sample Number:	2	**Volume (L):**	75
Sample Location:	Cafeteria	**Percentage of Slide Read:**	100.0%
Date Collected:	4/23/25	**Detection Limit:**	13.33
Test Requested:	Non-viable spore trap analysis	**Particulate Level:**	low
Date Analyzed:	4/30/25	**Notes:**	_

Spore Identification	Count	Results	Units	Percentage
Cladosporium	1	13	spores/m^3	14%
Ascospores	4	53	spores/m^3	57%
Basidiospores		-	spores/m^3	-
Smuts, *Periconia* , Myxomycetes		-	spores/m^3	-
Penicillium/Aspergillus Group		-	spores/m^3	-
Hyphal Elements	2	27	spores/m^3	29%
Alternaria		-	spores/m^3	-
Curvularia		-	spores/m^3	-
Epicoccum		-	spores/m^3	-
Cercospora		-	spores/m^3	-
Arthrinium		-	spores/m^3	-
Clear Brown		-	spores/m^3	-
Colorless		-	spores/m^3	-
Trichocladium		-	spores/m^3	-
Unidentified		-	spores/m^3	-
Ulocladium		-	spores/m^3	-
Torula		-	spores/m^3	-
Pithomyces		-	spores/m^3	-
Rust		-	spores/m^3	-
Drechslera/Bipolaris		-	spores/m^3	-
Tetraploa		-	spores/m^3	-
Chaetomium		-	spores/m^3	-
Stachybotrys		-	spores/m^3	-
		-	spores/m^3	-
Total Spores	**7**	**93**	**spores/m^3**	

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Project #: **25-1419**
Project Location: Cape Hatteras Secondary
48576 NC HWY 12
Buxton, NC
Project Type: IAQ
PO/Claim #: _

Sample Number: 3
Sample Location: CR 303
Date Collected: 4/23/25
Test Requested: Non-viable spore trap analysis
Date Analyzed: 4/30/25

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

Spore Identification	Count	Results	Units	Percentage
Cladosporium	3	40	spores/m^3	18%
Ascospores	11	147	spores/m^3	65%
Basidiospores	1	13	spores/m^3	6%
Smuts, *Periconia* , Myxomycetes		-	spores/m^3	-
Penicillium/Aspergillus Group	1	13	spores/m^3	6%
Hyphal Elements		-	spores/m^3	-
Alternaria		-	spores/m^3	-
Curvularia	1	13	spores/m^3	6%
Epicoccum		-	spores/m^3	-
Cercospora		-	spores/m^3	-
Arthrinium		-	spores/m^3	-
Clear Brown		-	spores/m^3	-
Colorless		-	spores/m^3	-
Trichocladium		-	spores/m^3	-
Unidentified		-	spores/m^3	-
Ulocladium		-	spores/m^3	-
Torula		-	spores/m^3	-
Pithomyces		-	spores/m^3	-
Rust		-	spores/m^3	-
Drechslera/Bipolaris		-	spores/m^3	-
Tetraploa		-	spores/m^3	-
Chaetomium		-	spores/m^3	-
Stachybotrys		-	spores/m^3	-
		-	spores/m^3	-
Total Spores	**17**	**227**	**spores/m^3**	

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Project #: **25-1419**
Project Location: Cape Hatteras Secondary
48576 NC HWY 12
Buxton, NC
Project Type: IAQ
PO/Claim #: _

Sample Number: 4
Sample Location: CR 308
Date Collected: 4/23/25
Test Requested: Non-viable spore trap analysis
Date Analyzed: 4/30/25

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

Spore Identification	Count	Results	Units	Percentage
Cladosporium	3	40	spores/m^3	60%
Ascospores	1	13	spores/m^3	20%
Basidiospores		-	spores/m^3	-
Smuts, *Periconia* , Myxomycetes	1	13	spores/m^3	20%
Penicillium/Aspergillus Group		-	spores/m^3	-
Hyphal Elements		-	spores/m^3	-
Alternaria		-	spores/m^3	-
Curvularia		-	spores/m^3	-
Epicoccum		-	spores/m^3	-
Cercospora		-	spores/m^3	-
Arthrinium		-	spores/m^3	-
Clear Brown		-	spores/m^3	-
Colorless		-	spores/m^3	-
Trichocladium		-	spores/m^3	-
Unidentified		-	spores/m^3	-
Ulocladium		-	spores/m^3	-
Torula		-	spores/m^3	-
Pithomyces		-	spores/m^3	-
Rust		-	spores/m^3	-
Drechslera/Bipolaris		-	spores/m^3	-
Tetraploa		-	spores/m^3	-
Chaetomium		-	spores/m^3	-
Stachybotrys		-	spores/m^3	-
		-	spores/m^3	-
Total Spores	**5**	**67**	**spores/m^3**	

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Project #: **25-1419**
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Project Type: IAQ
PO/Claim #: _

Sample Number: 5
Sample Location: CR 318
Date Collected: 4/23/25
Test Requested: Non-viable spore trap analysis
Date Analyzed: 4/30/25

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

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

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PO/Claim #: _

Sample Number:	6	**Volume (L):**	75
Sample Location:	CR 319	**Percentage of Slide Read:**	100.0%
Date Collected:	4/23/25	**Detection Limit:**	13.33
Test Requested:	Non-viable spore trap analysis	**Particulate Level:**	low-moderate
Date Analyzed:	4/30/25	**Notes:**	_

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

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Buxton, NC
Project Type: IAQ
PO/Claim #: _

Sample Number:	7	**Volume (L):**	75
Sample Location:	Guidance	**Percentage of Slide Read:**	100.0%
Date Collected:	4/23/25	**Detection Limit:**	13.33
Test Requested:	Non-viable spore trap analysis	**Particulate Level:**	low
Date Analyzed:	4/30/25	**Notes:**	_

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

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
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Nags head, NC
_

Project #: **25-1419**
Project Location: Cape Hatteras Secondary
48576 NC HWY 12
Buxton, NC
Project Type: IAQ
PO/Claim #: _

Sample Number:	8	**Volume (L):**	75
Sample Location:	Media Center	**Percentage of Slide Read:**	100.0%
Date Collected:	4/23/25	**Detection Limit:**	13.33
Test Requested:	Non-viable spore trap analysis	**Particulate Level:**	low-moderate
Date Analyzed:	4/30/25	**Notes:**	_

Spore Identification	Count	Results	Units	Percentage
Cladosporium	3	40	spores/m^3	30%
Ascospores	3	40	spores/m^3	30%
Basidiospores	1	13	spores/m^3	10%
Smuts, *Periconia* , Myxomycetes		-	spores/m^3	-
Penicillium/Aspergillus Group	3	40	spores/m^3	30%
Hyphal Elements		-	spores/m^3	-
Alternaria		-	spores/m^3	-
Curvularia		-	spores/m^3	-
Epicoccum		-	spores/m^3	-
Cercospora		-	spores/m^3	-
Arthrinium		-	spores/m^3	-
Clear Brown		-	spores/m^3	-
Colorless		-	spores/m^3	-
Trichocladium		-	spores/m^3	-
Unidentified		-	spores/m^3	-
Ulocladium		-	spores/m^3	-
Torula		-	spores/m^3	-
Pithomyces		-	spores/m^3	-
Rust		-	spores/m^3	-
Drechslera/Bipolaris		-	spores/m^3	-
Tetraploa		-	spores/m^3	-
Chaetomium		-	spores/m^3	-
Stachybotrys		-	spores/m^3	-
		-	spores/m^3	-
Total Spores	**10**	**133**	**spores/m^3**	

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Non-Viable Spore Trap Analysis

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Project #: **25-1419**
Project Location: Cape Hatteras Secondary
48576 NC HWY 12
Buxton, NC
Project Type: IAQ
PO/Claim #: _

Sample Number: 9
Sample Location: CR 207
Date Collected: 4/23/25
Test Requested: Non-viable spore trap analysis
Date Analyzed: 4/30/25

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

Spore Identification	Count	Results	Units	Percentage
Cladosporium	3	40	spores/m^3	25%
Ascospores		-	spores/m^3	-
Basidiospores	1	13	spores/m^3	8%
Smuts, *Periconia* , Myxomycetes	1	13	spores/m^3	8%
Penicillium/Aspergillus Group	4	53	spores/m^3	33%
Hyphal Elements	1	13	spores/m^3	8%
Alternaria		-	spores/m^3	-
Curvularia	1	13	spores/m^3	8%
Epicoccum		-	spores/m^3	-
Cercospora		-	spores/m^3	-
Arthrinium		-	spores/m^3	-
Clear Brown		-	spores/m^3	-
Colorless		-	spores/m^3	-
Trichocladium		-	spores/m^3	-
Unidentified		-	spores/m^3	-
Ulocladium		-	spores/m^3	-
Torula		-	spores/m^3	-
Pithomyces		-	spores/m^3	-
Rust	1	13	spores/m^3	8%
Drechslera/Bipolaris		-	spores/m^3	-
Tetraploa		-	spores/m^3	-
Chaetomium		-	spores/m^3	-
Stachybotrys		-	spores/m^3	-
		-	spores/m^3	-
Total Spores	**12**	**160**	**spores/m^3**	

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Project #: **25-1419**
Project Location: Cape Hatteras Secondary
48576 NC HWY 12
Buxton, NC
Project Type: IAQ
PO/Claim #: _

Sample Number: 10
Sample Location: Gymnasium
Date Collected: 4/23/25
Test Requested: Non-viable spore trap analysis
Date Analyzed: 4/30/25

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

Spore Identification	Count	Results	Units	Percentage
Cladosporium	5	67	spores/m^3	38%
Ascospores	2	27	spores/m^3	15%
Basidiospores	3	40	spores/m^3	23%
Smuts, *Periconia* , Myxomycetes	1	13	spores/m^3	8%
Penicillium/Aspergillus Group	2	27	spores/m^3	15%
Hyphal Elements		-	spores/m^3	-
Alternaria		-	spores/m^3	-
Curvularia		-	spores/m^3	-
Epicoccum		-	spores/m^3	-
Cercospora		-	spores/m^3	-
Arthrinium		-	spores/m^3	-
Clear Brown		-	spores/m^3	-
Colorless		-	spores/m^3	-
Trichocladium		-	spores/m^3	-
Unidentified		-	spores/m^3	-
Ulocladium		-	spores/m^3	-
Torula		-	spores/m^3	-
Pithomyces		-	spores/m^3	-
Rust		-	spores/m^3	-
Drechslera/Bipolaris		-	spores/m^3	-
Tetraploa		-	spores/m^3	-
Chaetomium		-	spores/m^3	-
Stachybotrys		-	spores/m^3	-
		-	spores/m^3	-
Total Spores	**13**	**173**	**spores/m^3**	

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Project #: **25-1419**
Project Location: Cape Hatteras Secondary
48576 NC HWY 12
Buxton, NC
Project Type: IAQ
PO/Claim #: _

Sample Number: 11
Sample Location: Locker Hall
Date Collected: 4/23/25
Test Requested: Non-viable spore trap analysis
Date Analyzed: 4/30/25

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

Spore Identification	Count	Results	Units	Percentage
Cladosporium	2	27	spores/m^3	15%
Ascospores		-	spores/m^3	-
Basidiospores	2	27	spores/m^3	15%
Smuts, *Periconia* , Myxomycetes	5	67	spores/m^3	38%
Penicillium/Aspergillus Group	3	40	spores/m^3	23%
Hyphal Elements		-	spores/m^3	-
Alternaria		-	spores/m^3	-
Curvularia		-	spores/m^3	-
Epicoccum	1	13	spores/m^3	8%
Cercospora		-	spores/m^3	-
Arthrinium		-	spores/m^3	-
Clear Brown		-	spores/m^3	-
Colorless		-	spores/m^3	-
Trichocladium		-	spores/m^3	-
Unidentified		-	spores/m^3	-
Ulocladium		-	spores/m^3	-
Torula		-	spores/m^3	-
Pithomyces		-	spores/m^3	-
Rust		-	spores/m^3	-
Drechslera/Bipolaris		-	spores/m^3	-
Tetraploa		-	spores/m^3	-
Chaetomium		-	spores/m^3	-
Stachybotrys		-	spores/m^3	-
		-	spores/m^3	-
Total Spores	**13**	**173**	**spores/m^3**	

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Project #: **25-1419**
Project Location: Cape Hatteras Secondary
48576 NC HWY 12
Buxton, NC
Project Type: IAQ
PO/Claim #: _

Sample Number: 12
Sample Location: Weight Room
Date Collected: 4/23/25
Test Requested: Non-viable spore trap analysis
Date Analyzed: 4/30/25

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

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

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Project #: **25-1419**
Project Location: Cape Hatteras Secondary
48576 NC HWY 12
Buxton, NC
Project Type: IAQ
PO/Claim #: _

Sample Number: 13
Sample Location: CR 150
Date Collected: 4/23/25
Test Requested: Non-viable spore trap analysis
Date Analyzed: 4/30/25

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

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

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Project #: **25-1419**
Project Location: Cape Hatteras Secondary
48576 NC HWY 12
Buxton, NC
Project Type: IAQ
PO/Claim #: _

Sample Number: 14
Sample Location: Music Room
Date Collected: 4/23/25
Test Requested: Non-viable spore trap analysis
Date Analyzed: 4/30/25

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

Spore Identification	Count	Results	Units	Percentage
Cladosporium	3	40	spores/m^3	27%
Ascospores	2	27	spores/m^3	18%
Basidiospores	1	13	spores/m^3	9%
Smuts, *Periconia* , Myxomycetes		-	spores/m^3	-
Penicillium/Aspergillus Group	2	27	spores/m^3	18%
Hyphal Elements		-	spores/m^3	-
Alternaria		-	spores/m^3	-
Curvularia		-	spores/m^3	-
Epicoccum		-	spores/m^3	-
Cercospora		-	spores/m^3	-
Arthrinium		-	spores/m^3	-
Clear Brown		-	spores/m^3	-
Colorless		-	spores/m^3	-
Trichocladium		-	spores/m^3	-
Unidentified	2	27	spores/m^3	18%
Ulocladium		-	spores/m^3	-
Torula		-	spores/m^3	-
Pithomyces	1	13	spores/m^3	9%
Rust		-	spores/m^3	-
Drechslera/Bipolaris		-	spores/m^3	-
Tetraploa		-	spores/m^3	-
Chaetomium		-	spores/m^3	-
Stachybotrys		-	spores/m^3	-
		-	spores/m^3	-
Total Spores	**11**	**147**	**spores/m^3**	

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Project #: **25-1419**
Project Location: Cape Hatteras Secondary
48576 NC HWY 12
Buxton, NC
Project Type: IAQ
PO/Claim #: _

Sample Number: 15
Sample Location: Auditorium
Date Collected: 4/23/25
Test Requested: Non-viable spore trap analysis
Date Analyzed: 4/30/25

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

Spore Identification	Count	Results	Units	Percentage
Cladosporium	3	40	spores/m^3	16%
Ascospores	1	13	spores/m^3	5%
Basidiospores	4	53	spores/m^3	21%
Smuts, *Periconia* , Myxomycetes	2	27	spores/m^3	11%
Penicillium/Aspergillus Group	4	53	spores/m^3	21%
Hyphal Elements	2	27	spores/m^3	11%
Alternaria		-	spores/m^3	-
Curvularia	2	27	spores/m^3	11%
Epicoccum		-	spores/m^3	-
Cercospora		-	spores/m^3	-
Arthrinium		-	spores/m^3	-
Clear Brown		-	spores/m^3	-
Colorless		-	spores/m^3	-
Trichocladium		-	spores/m^3	-
Unidentified		-	spores/m^3	-
Ulocladium		-	spores/m^3	-
Torula		-	spores/m^3	-
Pithomyces		-	spores/m^3	-
Rust		-	spores/m^3	-
Drechslera/Bipolaris	1	13	spores/m^3	5%
Tetraploa		-	spores/m^3	-
Chaetomium		-	spores/m^3	-
Stachybotrys		-	spores/m^3	-
		-	spores/m^3	-
Total Spores	**19**	**253**	**spores/m^3**	

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Project #: **25-1419**
Project Location: Cape Hatteras Secondary
48576 NC HWY 12
Buxton, NC
Project Type: IAQ
PO/Claim #: _

Sample Number: 16
Sample Location: CR 206
Date Collected: 4/23/25
Test Requested: Non-viable spore trap analysis
Date Analyzed: 4/30/25

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

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

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Project #: **25-1419**
Project Location: Cape Hatteras Secondary
48576 NC HWY 12
Buxton, NC
Project Type: IAQ
PO/Claim #: _

Sample Number:	17	**Volume (L):**	75
Sample Location:	CR 220	**Percentage of Slide Read:**	100.0%
Date Collected:	4/23/25	**Detection Limit:**	13.33
Test Requested:	Non-viable spore trap analysis	**Particulate Level:**	low
Date Analyzed:	4/30/25	**Notes:**	_

Spore Identification	Count	Results	Units	Percentage
Cladosporium		-	spores/m^3	-
Ascospores	1	13	spores/m^3	50%
Basidiospores		-	spores/m^3	-
Smuts, *Periconia* , Myxomycetes		-	spores/m^3	-
Penicillium/Aspergillus Group		-	spores/m^3	-
Hyphal Elements	1	13	spores/m^3	50%
Alternaria		-	spores/m^3	-
Curvularia		-	spores/m^3	-
Epicoccum		-	spores/m^3	-
Cercospora		-	spores/m^3	-
Arthrinium		-	spores/m^3	-
Clear Brown		-	spores/m^3	-
Colorless		-	spores/m^3	-
Trichocladium		-	spores/m^3	-
Unidentified		-	spores/m^3	-
Ulocladium		-	spores/m^3	-
Torula		-	spores/m^3	-
Pithomyces		-	spores/m^3	-
Rust		-	spores/m^3	-
Drechslera/Bipolaris		-	spores/m^3	-
Tetraploa		-	spores/m^3	-
Chaetomium		-	spores/m^3	-
Stachybotrys		-	spores/m^3	-
		-	spores/m^3	-
Total Spores	**2**	**27**	**spores/m^3**	

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Project #: **25-1419**
Project Location: Cape Hatteras Secondary
48576 NC HWY 12
Buxton, NC
Project Type: IAQ
PO/Claim #: _

Sample Number:	18	**Volume (L):**	75
Sample Location:	CR 225	**Percentage of Slide Read:**	100.0%
Date Collected:	4/23/25	**Detection Limit:**	13.33
Test Requested:	Non-viable spore trap analysis	**Particulate Level:**	low
Date Analyzed:	4/30/25	**Notes:**	_

Spore Identification	Count	Results	Units	Percentage
Cladosporium	1	13	spores/m^3	25%
Ascospores	1	13	spores/m^3	25%
Basidiospores		-	spores/m^3	-
Smuts, *Periconia* , Myxomycetes		-	spores/m^3	-
Penicillium/Aspergillus Group		-	spores/m^3	-
Hyphal Elements	1	13	spores/m^3	25%
Alternaria	1	13	spores/m^3	25%
Curvularia		-	spores/m^3	-
Epicoccum		-	spores/m^3	-
Cercospora		-	spores/m^3	-
Arthrinium		-	spores/m^3	-
Clear Brown		-	spores/m^3	-
Colorless		-	spores/m^3	-
Trichocladium		-	spores/m^3	-
Unidentified		-	spores/m^3	-
Ulocladium		-	spores/m^3	-
Torula		-	spores/m^3	-
Pithomyces		-	spores/m^3	-
Rust		-	spores/m^3	-
Drechslera/Bipolaris		-	spores/m^3	-
Tetraploa		-	spores/m^3	-
Chaetomium		-	spores/m^3	-
Stachybotrys		-	spores/m^3	-
		-	spores/m^3	-
Total Spores	**4**	**53**	**spores/m^3**	

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

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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 #: **25-1419**
Project Location: Cape Hatteras Secondary
48576 NC HWY 12
Buxton, NC
Project Type: IAQ
PO/Claim #: _

Sample Number: 19
Sample Location: CR 360
Date Collected: 4/23/25
Test Requested: Non-viable spore trap analysis
Date Analyzed: 4/30/25

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

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

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Certificate of Laboratory Analysis

Non-Viable Spore Trap Analysis

Dare County Schools
Ian Adams
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Nags head, NC
_

Project #: **25-1419**
Project Location: Cape Hatteras Secondary
48576 NC HWY 12
Buxton, NC
Project Type: IAQ
PO/Claim #: _

Sample Number:	20	**Volume (L):**	75
Sample Location:	CR 353	**Percentage of Slide Read:**	100.0%
Date Collected:	4/23/25	**Detection Limit:**	13.33
Test Requested:	Non-viable spore trap analysis	**Particulate Level:**	low-moderate
Date Analyzed:	4/30/25	**Notes:**	_

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

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Nags head, NC
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Project #: **25-1419**
Project Location: Cape Hatteras Secondary
48576 NC HWY 12
Buxton, NC
Project Type: IAQ
PO/Claim #: _

Sample Number: 21
Sample Location: CR 363
Date Collected: 4/23/25
Test Requested: Non-viable spore trap analysis
Date Analyzed: 4/30/25

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

Spore Identification	Count	Results	Units	Percentage
Cladosporium	1	13	spores/m^3	25%
Ascospores		-	spores/m^3	-
Basidiospores	1	13	spores/m^3	25%
Smuts, *Periconia* , Myxomycetes	1	13	spores/m^3	25%
Penicillium/Aspergillus Group	1	13	spores/m^3	25%
Hyphal Elements		-	spores/m^3	-
Alternaria		-	spores/m^3	-
Curvularia		-	spores/m^3	-
Epicoccum		-	spores/m^3	-
Cercospora		-	spores/m^3	-
Arthrinium		-	spores/m^3	-
Clear Brown		-	spores/m^3	-
Colorless		-	spores/m^3	-
Trichocladium		-	spores/m^3	-
Unidentified		-	spores/m^3	-
Ulocladium		-	spores/m^3	-
Torula		-	spores/m^3	-
Pithomyces		-	spores/m^3	-
Rust		-	spores/m^3	-
Drechslera/Bipolaris		-	spores/m^3	-
Tetraploa		-	spores/m^3	-
Chaetomium		-	spores/m^3	-
Stachybotrys		-	spores/m^3	-
		-	spores/m^3	-
Total Spores	**4**	**53**	**spores/m^3**	

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Project #: **25-1419**
Project Location: Cape Hatteras Secondary
48576 NC HWY 12
Buxton, NC
Project Type: IAQ
PO/Claim #: _

Sample Number:	22	**Volume (L):**	75
Sample Location:	CR 221	**Percentage of Slide Read:**	100.0%
Date Collected:	4/23/25	**Detection Limit:**	13.33
Test Requested:	Non-viable spore trap analysis	**Particulate Level:**	low-moderate
Date Analyzed:	4/30/25	**Notes:**	_

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

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Project #: **25-1419**
Project Location: Cape Hatteras Secondary
48576 NC HWY 12
Buxton, NC
Project Type: IAQ
PO/Claim #: _

Sample Number:	23	**Volume (L):**	75
Sample Location:	Hall @ CR 153	**Percentage of Slide Read:**	100.0%
Date Collected:	4/23/25	**Detection Limit:**	13.33
Test Requested:	Non-viable spore trap analysis	**Particulate Level:**	low-moderate
Date Analyzed:	4/30/25	**Notes:**	_

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

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Project #: **25-1419**
Project Location: Cape Hatteras Secondary
48576 NC HWY 12
Buxton, NC
Project Type: IAQ
PO/Claim #: _

Sample Number:	24	**Volume (L):**	75
Sample Location:	Outdoor Air	**Percentage of Slide Read:**	100.0%
Date Collected:	4/23/25	**Detection Limit:**	13.33
Test Requested:	Non-viable spore trap analysis	**Particulate Level:**	moderate
Date Analyzed:	4/30/25	**Notes:**	_

Spore Identification	Count	Results	Units	Percentage
Cladosporium	6	80	spores/m^3	8%
Ascospores	17	227	spores/m^3	22%
Basidiospores	12	160	spores/m^3	15%
Smuts, *Periconia* , Myxomycetes		-	spores/m^3	-
Penicillium/Aspergillus Group	44	587	spores/m^3	56%
Hyphal Elements		-	spores/m^3	-
Alternaria		-	spores/m^3	-
Curvularia		-	spores/m^3	-
Epicoccum		-	spores/m^3	-
Cercospora		-	spores/m^3	-
Arthrinium		-	spores/m^3	-
Clear Brown		-	spores/m^3	-
Colorless		-	spores/m^3	-
Trichocladium		-	spores/m^3	-
Unidentified		-	spores/m^3	-
Ulocladium		-	spores/m^3	-
Torula		-	spores/m^3	-
Pithomyces		-	spores/m^3	-
Rust		-	spores/m^3	-
Drechslera/Bipolaris		-	spores/m^3	-
Tetraploa		-	spores/m^3	-
Chaetomium		-	spores/m^3	-
Stachybotrys		-	spores/m^3	-
		-	spores/m^3	-
Total Spores	**79**	**1053**	**spores/m^3**	

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

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Non-Viable Spore Trap Analysis

Project #: 25-1419

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

Cathy A. Richmond, BS
4/30/2025