



LRC Indoor Testing and Research
140 Iowa Lane, Suite 102
Cary, NC 27511
(919) 342-4936

Certificate of Laboratory Analysis

Non-Viable Spore Trap Analysis

Dare County Schools
Ian Adams
3020 S Wrightsville Ave.
Nags head, NC

Project #: 23-2207
Project Location: First Flight High
100 Veterans Drive
Kill Devil Hills, NC
Project Type: IEQ
PO/Claim #:

Table 1: Non-Viable Air Samples

Date Collected:	11/12/23	11/12/23	11/12/23	11/12/23	11/12/23
	1	2	3	4	5
Spore Identification	Rotunda	Auditorium	Gym	Cafeteria	Hall at A107
<i>Cladosporium</i>	27	93	13	27	27
Ascospores	-	27	-	-	13
Basidiospores ²	13	80	-	-	27
Smuts, <i>Periconia</i> , <i>Myxomycetes</i> ⁴	13	27	13	27	-
<i>Penicillium/Aspergillus</i> Group ¹	40	67	-	-	53
Hyphal Elements ³	-	27	-	-	-
<i>Alternaria</i>	-	13	-	-	-
<i>Curvularia</i>	-	13	-	-	-
<i>Epicoccum</i>	-	-	-	-	-
<i>Cercospora</i>	-	-	-	-	-
<i>Arthrrium</i>	-	-	-	-	-
Clear Brown	-	-	-	-	-
Colorless	-	-	-	-	-
<i>Trichocladium</i>	-	13	-	-	-
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	93	360	27	53	120
Particulate Level	low	low-moderate	low	low	low-moderate
Date Analyzed:	11/13/23	11/13/23	11/13/23	11/13/23	11/13/23

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.



LRC Indoor Testing and Research
140 Iowa Lane, Suite 102
Cary, NC 27511
(919) 342-4936

Certificate of Laboratory Analysis

Non-Viable Spore Trap Analysis

Dare County Schools
Ian Adams
3020 S Wrightsville Ave.
Nags head, NC

Project #: 23-2207
Project Location: First Flight High
100 Veterans Drive
Kill Devil Hills, NC
Project Type: IEQ
PO/Claim #:

Table 1: Non-Viable Air Samples

Date Collected:	11/12/23	11/12/23	11/12/23	11/12/23	11/12/23
	6	7	8	9	10
Spore Identification	Hall at B103	CR B102	Counseling Center	Hall at B302	CR B308
<i>Cladosporium</i>	40	27	40	40	27
Ascospores	13	13	13	-	-
Basidiospores ²	-	-	27	-	-
Smuts, <i>Periconia</i> , <i>Myxomycetes</i> ⁴	13	-	13	-	-
<i>Penicillium/Aspergillus</i> Group ¹	13	40	13	13	13
Hyphal Elements ³	13	-	40	-	-
<i>Alternaria</i>	-	-	-	-	-
<i>Curvularia</i>	-	-	13	-	-
<i>Epicoccum</i>	-	-	13	-	-
<i>Cercospora</i>	-	-	-	-	-
<i>Arthrrium</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	93	80	173	53	40
Particulate Level	low	low	low	low	low
Date Analyzed:	11/13/23	11/13/23	11/13/23	11/13/23	11/13/23

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.



LRC Indoor Testing and Research
140 Iowa Lane, Suite 102
Cary, NC 27511
(919) 342-4936

Certificate of Laboratory Analysis

Non-Viable Spore Trap Analysis

Dare County Schools
Ian Adams
3020 S Wrightsville Ave.
Nags head, NC

Project #: 23-2207
Project Location: First Flight High
100 Veterans Drive
Kill Devil Hills, NC
Project Type: IEQ
PO/Claim #:

Table 1: Non-Viable Air Samples

Date Collected:	11/12/23	11/12/23	11/12/23	11/12/23	11/12/23
	11	12	13	14	15
Spore Identification	Hall at B314	CR 313	Media Center	Hall at B215	Hall at B204
<i>Cladosporium</i>	40	-	67	40	27
Ascospores	27	27	13	13	13
Basidiospores ²	27	13	53	27	-
Smuts, <i>Periconia</i> , <i>Myxomycetes</i> ⁴	13	13	-	53	13
<i>Penicillium/Aspergillus</i> Group ¹	27	27	13	13	-
Hyphal Elements ³	27	-	13	13	13
<i>Alternaria</i>	-	-	-	-	-
<i>Curvularia</i>	-	-	-	13	-
<i>Epicoccum</i>	-	-	-	-	-
<i>Cercospora</i>	-	-	-	-	-
<i>Arthrrium</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	160	80	160	173	67
Particulate Level	low-moderate	low	low	low	low
Date Analyzed:	11/13/23	11/13/23	11/13/23	11/13/23	11/13/23

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.



LRC Indoor Testing and Research

140 Iowa Lane, Suite 102

Cary, NC 27511

(919) 342-4936

Certificate of Laboratory Analysis

Non-Viable Spore Trap Analysis

Dare County Schools
Ian Adams
3020 S Wrightsville Ave.
Nags head, NC

Project #: 23-2207
Project Location: First Flight High
100 Veterans Drive
Kill Devil Hills, NC
Project Type: IEQ
PO/Claim #:

Table 1: Non-Viable Air Samples

Date Collected:	11/12/23	11/12/23	11/12/23	11/12/23	11/12/23
	16	17	18	19	20
Spore Identification	CR B210	Hall at D108	CR D113	Hall at elevator	Hall at CR 302
<i>Cladosporium</i>	53	53	13	13	13
Ascospores	27	40	-	27	27
Basidiospores ²	13	27	-	-	-
Smuts, <i>Periconia</i> , <i>Myxomycetes</i> ⁴	-	-	-	13	-
<i>Penicillium/Aspergillus</i> Group ¹	67	-	-	-	-
Hyphal Elements ³	-	-	-	-	13
<i>Alternaria</i>	-	-	-	-	-
<i>Curvularia</i>	-	13	-	-	-
<i>Epicoccum</i>	-	-	-	-	-
<i>Cercospora</i>	-	-	-	-	-
<i>Arthrrium</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/m ³	160	133	13	53	53
Particulate Level	low	low	low	low	low
Date Analyzed:	11/13/23	11/13/23	11/13/23	11/13/23	11/13/23

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.



LRC Indoor Testing and Research
140 Iowa Lane, Suite 102
Cary, NC 27511
(919) 342-4936

Certificate of Laboratory Analysis

Non-Viable Spore Trap Analysis

Dare County Schools
Ian Adams
3020 S Wrightsville Ave.
Nags head, NC

Project #: 23-2207
Project Location: First Flight High
100 Veterans Drive
Kill Devil Hills, NC
Project Type: IEQ
PO/Claim #:

Table 1: Non-Viable Air Samples

Date Collected:	11/12/23	11/12/23	11/12/23	11/12/23	11/12/23
	21	22	23	24	25
Spore Identification	CR 310	Hall at CR 317	CR 102	Hall at CR 215/216	Hall at CR 204
<i>Cladosporium</i>	13	-	67	27	27
Ascospores	-	-	-	27	-
Basidiospores ²	-	-	40	13	-
Smuts, <i>Periconia</i> , <i>Myxomycetes</i> ⁴	13	-	27	13	-
<i>Penicillium/Aspergillus</i> Group ¹	53	-	13	80	-
Hyphal Elements ³	-	-	13	-	-
<i>Alternaria</i>	-	-	-	-	-
<i>Curvularia</i>	-	-	-	-	-
<i>Epicoccum</i>	-	-	-	-	-
<i>Cercospora</i>	-	-	-	-	-
<i>Arthrrium</i>	-	-	-	-	-
Clear Brown	-	-	-	-	-
Colorless	-	-	-	-	-
<i>Trichocladium</i>	-	-	-	-	-
Unidentified	-	-	-	-	-
<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	93	0	160	160	80
Particulate Level	low	low	low	low-moderate	low
Date Analyzed:	11/13/23	11/13/23	11/13/23	11/13/23	11/13/23

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.



LRC Indoor Testing and Research

140 Iowa Lane, Suite 102

Cary, NC 27511

(919) 342-4936

Certificate of Laboratory Analysis

Non-Viable Spore Trap Analysis

Dare County Schools
Ian Adams
3020 S Wrightsville Ave.
Nags head, NC

Project #: 23-2207
Project Location: First Flight High
100 Veterans Drive
Kill Devil Hills, NC
Project Type: IEQ
PO/Claim #:

Table 1: Non-Viable Air Samples

Date Collected:	11/12/23	11/12/23
	26	27
Spore Identification	CR201	Outdoor Air
<i>Cladosporium</i>	53	200
Ascospores	-	480
Basidiospores ²	27	93
Smuts, <i>Periconia</i> , <i>Myxomycetes</i> ⁴	-	67
<i>Penicillium/Aspergillus</i> Group ¹	40	120
Hyphal Elements ³	13	27
<i>Alternaria</i>	-	-
<i>Curvularia</i>	-	-
<i>Epicoccum</i>	-	-
<i>Cercospora</i>	-	40
<i>Arthrrium</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/m ³	133	1027
Particulate Level	low	low-moderate
Date Analyzed:	11/13/23	11/13/23

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.

**LRC Indoor Testing and Research**

140 Iowa Lane, Suite 102

Cary, NC 27511

(919) 342-4936

Certificate of Laboratory Analysis**Non-Viable Spore Trap Analysis****Dare County Schools****Ian Adams****3020 S Wrightsville Ave.****Nags head, NC****Project #: 23-2207****Project Location:** First Flight High
100 Veterans Drive
Kill Devil Hills, NC**Project Type:** IEQ**PO/Claim #:**

Sample Number: 1
Sample Location: Rotunda
Date Collected: 11/12/23
Test Requested: Non-viable spore trap analysis
Date Analyzed: 11/13/23

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	29%
Ascospores		-	spores/m ³	-
Basidiospores	1	13	spores/m ³	14%
Smuts, <i>Periconia</i> , Myxomycetes	1	13	spores/m ³	14%
<i>Penicillium/Aspergillus</i> Group	3	40	spores/m ³	43%
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>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.

**LRC Indoor Testing and Research**

140 Iowa Lane, Suite 102

Cary, NC 27511

(919) 342-4936

Certificate of Laboratory Analysis**Non-Viable Spore Trap Analysis****Dare County Schools****Ian Adams****3020 S Wrightsville Ave.****Nags head, NC****Project #: 23-2207****Project Location:** First Flight High
100 Veterans Drive
Kill Devil Hills, NC**Project Type:** IEQ**PO/Claim #:****Sample Number:** 2**Sample Location:** Auditorium**Date Collected:** 11/12/23**Test Requested:** Non-viable spore trap analysis**Date Analyzed:** 11/13/23**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>	7	93	spores/m ³	26%
Ascospores	2	27	spores/m ³	7%
Basidiospores	6	80	spores/m ³	22%
Smuts, <i>Periconia</i> , Myxomycetes	2	27	spores/m ³	7%
<i>Penicillium/Aspergillus</i> Group	5	67	spores/m ³	19%
Hyphal Elements	2	27	spores/m ³	7%
<i>Alternaria</i>	1	13	spores/m ³	4%
<i>Curvularia</i>	1	13	spores/m ³	4%
<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	4%
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	27	360	spores/m³	

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



Certificate of Laboratory Analysis

Non-Viable Spore Trap Analysis

Dare County Schools

Ian Adams

3020 S Wrightsville Ave.

Nags head, NC

Project #: 23-2207

Project Location: First Flight High
100 Veterans Drive
Kill Devil Hills, NC

Project Type: IEQ

PO/Claim #:

Sample Number: 3

Sample Location: Gym

Date Collected: 11/12/23

Test Requested: Non-viable spore trap analysis

Date Analyzed: 11/13/23

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	50%
Ascospores		-	spores/m ³	-
Basidiospores		-	spores/m ³	-
Smuts, <i>Periconia</i> , Myxomycetes	1	13	spores/m ³	50%
<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>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	2	27	spores/m³	

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

**LRC Indoor Testing and Research**

140 Iowa Lane, Suite 102

Cary, NC 27511

(919) 342-4936

Certificate of Laboratory Analysis**Non-Viable Spore Trap Analysis****Dare County Schools****Ian Adams****3020 S Wrightsville Ave.****Nags head, NC****Project #: 23-2207****Project Location:** First Flight High
100 Veterans Drive
Kill Devil Hills, NC**Project Type:** IEQ**PO/Claim #:****Sample Number:** 4**Sample Location:** Cafeteria**Date Collected:** 11/12/23**Test Requested:** Non-viable spore trap analysis**Date Analyzed:** 11/13/23**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	2	27	spores/m ³	50%
<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>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	4	53	spores/m³	

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



Certificate of Laboratory Analysis

Non-Viable Spore Trap Analysis

Dare County Schools

Ian Adams

3020 S Wrightsville Ave.

Nags head, NC

Project #: 23-2207

Project Location: First Flight High
100 Veterans Drive
Kill Devil Hills, NC

Project Type: IEQ

PO/Claim #:

Sample Number: 5

Sample Location: Hall at A107

Date Collected: 11/12/23

Test Requested: Non-viable spore trap analysis

Date Analyzed: 11/13/23

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	22%
Ascospores	1	13	spores/m ³	11%
Basidiospores	2	27	spores/m ³	22%
Smuts, <i>Periconia</i> , Myxomycetes		-	spores/m ³	-
<i>Penicillium/Aspergillus</i> Group	4	53	spores/m ³	44%
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.



Certificate of Laboratory Analysis

Non-Viable Spore Trap Analysis

Dare County Schools

Ian Adams

3020 S Wrightsville Ave.

Nags head, NC

Project #: 23-2207

Project Location: First Flight High
100 Veterans Drive
Kill Devil Hills, NC

Project Type: IEQ

PO/Claim #:

Sample Number: 6

Sample Location: Hall at B103

Date Collected: 11/12/23

Test Requested: Non-viable spore trap analysis

Date Analyzed: 11/13/23

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	1	13	spores/m ³	14%
<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.

**Certificate of Laboratory Analysis**

Non-Viable Spore Trap Analysis

Dare County Schools

Ian Adams

3020 S Wrightsville Ave.

Nags head, NC

Project #: 23-2207

Project Location: First Flight High
100 Veterans Drive
Kill Devil Hills, NC

Project Type: IEQ

PO/Claim #:

Sample Number: 7

Sample Location: CR B102

Date Collected: 11/12/23

Test Requested: Non-viable spore trap analysis

Date Analyzed: 11/13/23

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		-	spores/m ³	-
Smuts, <i>Periconia</i> , Myxomycetes		-	spores/m ³	-
<i>Penicillium/Aspergillus</i> Group	3	40	spores/m ³	50%
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.

**Certificate of Laboratory Analysis**

Non-Viable Spore Trap Analysis

Dare County Schools

Ian Adams

3020 S Wrightsville Ave.

Nags head, NC

Project #: 23-2207

Project Location: First Flight High
100 Veterans Drive
Kill Devil Hills, NC

Project Type: IEQ

PO/Claim #:

Sample Number: 8

Sample Location: Counseling Center

Date Collected: 11/12/23

Test Requested: Non-viable spore trap analysis

Date Analyzed: 11/13/23

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	23%
Ascospores	1	13	spores/m ³	8%
Basidiospores	2	27	spores/m ³	15%
Smuts, <i>Periconia</i> , Myxomycetes	1	13	spores/m ³	8%
<i>Penicillium/Aspergillus</i> Group	1	13	spores/m ³	8%
Hyphal Elements	3	40	spores/m ³	23%
<i>Alternaria</i>		-	spores/m ³	-
<i>Curvularia</i>	1	13	spores/m ³	8%
<i>Epicoccum</i>	1	13	spores/m ³	8%
<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	13	173	spores/m³	

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

**Certificate of Laboratory Analysis**

Non-Viable Spore Trap Analysis

Dare County Schools

Ian Adams

3020 S Wrightsville Ave.

Nags head, NC

Project #: 23-2207

Project Location: First Flight High
100 Veterans Drive
Kill Devil Hills, NC

Project Type: IEQ

PO/Claim #:

Sample Number: 9

Sample Location: Hall at B302

Date Collected: 11/12/23

Test Requested: Non-viable spore trap analysis

Date Analyzed: 11/13/23

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	75%
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	25%
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	

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

**Certificate of Laboratory Analysis**

Non-Viable Spore Trap Analysis

Dare County Schools

Ian Adams

3020 S Wrightsville Ave.

Nags head, NC

Project #: 23-2207

Project Location: First Flight High
100 Veterans Drive
Kill Devil Hills, NC

Project Type: IEQ

PO/Claim #:

Sample Number: 10

Sample Location: CR B308

Date Collected: 11/12/23

Test Requested: Non-viable spore trap analysis

Date Analyzed: 11/13/23

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		-	spores/m ³	-
Smuts, <i>Periconia</i> , Myxomycetes		-	spores/m ³	-
<i>Penicillium/Aspergillus</i> Group	1	13	spores/m ³	33%
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**

140 Iowa Lane, Suite 102

Cary, NC 27511

(919) 342-4936

Certificate of Laboratory Analysis**Non-Viable Spore Trap Analysis****Dare County Schools****Ian Adams****3020 S Wrightsville Ave.****Nags head, NC****Project #: 23-2207****Project Location:** First Flight High
100 Veterans Drive
Kill Devil Hills, NC**Project Type:** IEQ**PO/Claim #:****Sample Number:** 11**Sample Location:** Hall at B314**Date Collected:** 11/12/23**Test Requested:** Non-viable spore trap analysis**Date Analyzed:** 11/13/23**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	25%
Ascospores	2	27	spores/m ³	17%
Basidiospores	2	27	spores/m ³	17%
Smuts, <i>Periconia</i> , Myxomycetes	1	13	spores/m ³	8%
<i>Penicillium/Aspergillus</i> Group	2	27	spores/m ³	17%
Hyphal Elements	2	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	12	160	spores/m³	

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

**Certificate of Laboratory Analysis**

Non-Viable Spore Trap Analysis

Dare County Schools

Ian Adams

3020 S Wrightsville Ave.

Nags head, NC

Project #: **23-2207**Project Location: First Flight High
100 Veterans Drive
Kill Devil Hills, NC

Project Type: IEQ

PO/Claim #:

Sample Number: 12 Volume (L): 75
Sample Location: CR 313 Percentage of Slide Read: 100.0%
Date Collected: 11/12/23 Detection Limit: 13.33
Test Requested: Non-viable spore trap analysis Particulate Level: low
Date Analyzed: 11/13/23 Notes: -

Spore Identification	Count	Results	Units	Percentage
<i>Cladosporium</i>		-	spores/m ³	-
Ascospores	2	27	spores/m ³	33%
Basidiospores	1	13	spores/m ³	17%
Smuts, <i>Periconia</i> , Myxomycetes	1	13	spores/m ³	17%
<i>Penicillium/Aspergillus</i> Group	2	27	spores/m ³	33%
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.

**Certificate of Laboratory Analysis**

Non-Viable Spore Trap Analysis

Dare County Schools

Ian Adams

3020 S Wrightsville Ave.

Nags head, NC

Project #: 23-2207

Project Location: First Flight High
100 Veterans Drive
Kill Devil Hills, NC

Project Type: IEQ

PO/Claim #:

Sample Number: 13

Sample Location: Media Center

Date Collected: 11/12/23

Test Requested: Non-viable spore trap analysis

Date Analyzed: 11/13/23

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>	5	67	spores/m ³	42%
Ascospores	1	13	spores/m ³	8%
Basidiospores	4	53	spores/m ³	33%
Smuts, <i>Periconia</i> , Myxomycetes		-	spores/m ³	-
<i>Penicillium/Aspergillus</i> Group	1	13	spores/m ³	8%
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.

**Certificate of Laboratory Analysis**

Non-Viable Spore Trap Analysis

Dare County Schools

Ian Adams

3020 S Wrightsville Ave.

Nags head, NC

Project #: 23-2207

Project Location: First Flight High
100 Veterans Drive
Kill Devil Hills, NC

Project Type: IEQ

PO/Claim #:

Sample Number: 14

Sample Location: Hall at B215

Date Collected: 11/12/23

Test Requested: Non-viable spore trap analysis

Date Analyzed: 11/13/23

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	23%
Ascospores	1	13	spores/m ³	8%
Basidiospores	2	27	spores/m ³	15%
Smuts, <i>Periconia</i> , Myxomycetes	4	53	spores/m ³	31%
<i>Penicillium/Aspergillus</i> Group	1	13	spores/m ³	8%
Hyphal Elements	1	13	spores/m ³	8%
<i>Alternaria</i>		-	spores/m ³	-
<i>Curvularia</i>	1	13	spores/m ³	8%
<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	13	173	spores/m³	

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

**Certificate of Laboratory Analysis**

Non-Viable Spore Trap Analysis

Dare County Schools

Ian Adams

3020 S Wrightsville Ave.

Nags head, NC

Project #: 23-2207

Project Location: First Flight High
100 Veterans Drive
Kill Devil Hills, NC

Project Type: IEQ

PO/Claim #:

Sample Number: 15

Sample Location: Hall at B204

Date Collected: 11/12/23

Test Requested: Non-viable spore trap analysis

Date Analyzed: 11/13/23

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	1	13	spores/m ³	20%
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	1	13	spores/m ³	20%
<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.

**Certificate of Laboratory Analysis**

Non-Viable Spore Trap Analysis

Dare County Schools

Ian Adams

3020 S Wrightsville Ave.

Nags head, NC

Project #: 23-2207

Project Location: First Flight High
100 Veterans Drive
Kill Devil Hills, NC

Project Type: IEQ

PO/Claim #:

Sample Number: 16

Sample Location: CR B210

Date Collected: 11/12/23

Test Requested: Non-viable spore trap analysis

Date Analyzed: 11/13/23

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	5	67	spores/m ³	42%
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	12	160	spores/m³	

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

**LRC Indoor Testing and Research**

140 Iowa Lane, Suite 102

Cary, NC 27511

(919) 342-4936

Certificate of Laboratory Analysis**Non-Viable Spore Trap Analysis****Dare County Schools****Ian Adams****3020 S Wrightsville Ave.****Nags head, NC****Project #: 23-2207****Project Location:** First Flight High
100 Veterans Drive
Kill Devil Hills, NC**Project Type:** IEQ**PO/Claim #:****Sample Number:** 17**Sample Location:** Hall at D108**Date Collected:** 11/12/23**Test Requested:** Non-viable spore trap analysis**Date Analyzed:** 11/13/23**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	40%
Ascospores	3	40	spores/m ³	30%
Basidiospores	2	27	spores/m ³	20%
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>	1	13	spores/m ³	10%
<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	10	133	spores/m³	

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

**Certificate of Laboratory Analysis**

Non-Viable Spore Trap Analysis

Dare County Schools

Ian Adams

3020 S Wrightsville Ave.

Nags head, NC

Project #: 23-2207

Project Location: First Flight High
100 Veterans Drive
Kill Devil Hills, NC

Project Type: IEQ

PO/Claim #:

Sample Number: 18

Sample Location: CR D113

Date Collected: 11/12/23

Test Requested: Non-viable spore trap analysis

Date Analyzed: 11/13/23

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	100%
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>		-	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	1	13	spores/m³	

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



Certificate of Laboratory Analysis

Non-Viable Spore Trap Analysis

Dare County Schools

Ian Adams

3020 S Wrightsville Ave.

Nags head, NC

Project #: 23-2207

Project Location: First Flight High
100 Veterans Drive
Kill Devil Hills, NC

Project Type: IEQ

PO/Claim #:

Sample Number: 19

Sample Location: Hall at elevator

Date Collected: 11/12/23

Test Requested: Non-viable spore trap analysis

Date Analyzed: 11/13/23

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	25%
Ascospores	2	27	spores/m ³	50%
Basidiospores		-	spores/m ³	-
Smuts, <i>Periconia</i> , Myxomycetes	1	13	spores/m ³	25%
<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>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	4	53	spores/m³	

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

**LRC Indoor Testing and Research**

140 Iowa Lane, Suite 102

Cary, NC 27511

(919) 342-4936

Certificate of Laboratory Analysis**Non-Viable Spore Trap Analysis****Dare County Schools****Ian Adams****3020 S Wrightsville Ave.****Nags head, NC****Project #: 23-2207****Project Location:** First Flight High
100 Veterans Drive
Kill Devil Hills, NC**Project Type:** IEQ**PO/Claim #:****Sample Number:** 20**Sample Location:** Hall at CR 302**Date Collected:** 11/12/23**Test Requested:** Non-viable spore trap analysis**Date Analyzed:** 11/13/23**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	25%
Ascospores	2	27	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	1	13	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	4	53	spores/m³	

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



Certificate of Laboratory Analysis

Non-Viable Spore Trap Analysis

Dare County Schools

Ian Adams

3020 S Wrightsville Ave.

Nags head, NC

Project #: 23-2207

Project Location: First Flight High
100 Veterans Drive
Kill Devil Hills, NC

Project Type: IEQ

PO/Claim #:

Sample Number: 21

Sample Location: CR 310

Date Collected: 11/12/23

Test Requested: Non-viable spore trap analysis

Date Analyzed: 11/13/23

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		-	spores/m ³	-
Basidiospores		-	spores/m ³	-
Smuts, <i>Periconia</i> , Myxomycetes	1	13	spores/m ³	14%
<i>Penicillium/Aspergillus</i> Group	4	53	spores/m ³	57%
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>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	14%
<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.



LRC Indoor Testing and Research

140 Iowa Lane, Suite 102

Cary, NC 27511

(919) 342-4936

Certificate of Laboratory Analysis

Non-Viable Spore Trap Analysis

Dare County Schools

Ian Adams

3020 S Wrightsville Ave.

Nags head, NC

Project #: 23-2207

Project Location: First Flight High
100 Veterans Drive
Kill Devil Hills, NC

Project Type: IEQ

PO/Claim #:

Sample Number: 22

Sample Location: Hall at CR 317

Date Collected: 11/12/23

Test Requested: Non-viable spore trap analysis

Date Analyzed: 11/13/23

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		-	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>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	0	0	spores/m³	

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

**LRC Indoor Testing and Research**

140 Iowa Lane, Suite 102

Cary, NC 27511

(919) 342-4936

Certificate of Laboratory Analysis**Non-Viable Spore Trap Analysis****Dare County Schools****Ian Adams****3020 S Wrightsville Ave.****Nags head, NC****Project #: 23-2207****Project Location:** First Flight High
100 Veterans Drive
Kill Devil Hills, NC**Project Type:** IEQ**PO/Claim #:****Sample Number:** 23**Sample Location:** CR 102**Date Collected:** 11/12/23**Test Requested:** Non-viable spore trap analysis**Date Analyzed:** 11/13/23**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>	5	67	spores/m ³	42%
Ascospores		-	spores/m ³	-
Basidiospores	3	40	spores/m ³	25%
Smuts, <i>Periconia</i> , Myxomycetes	2	27	spores/m ³	17%
<i>Penicillium/Aspergillus</i> Group	1	13	spores/m ³	8%
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.

**Certificate of Laboratory Analysis**

Non-Viable Spore Trap Analysis

Dare County Schools

Ian Adams

3020 S Wrightsville Ave.

Nags head, NC

Project #: 23-2207

Project Location: First Flight High
100 Veterans Drive
Kill Devil Hills, NC

Project Type: IEQ

PO/Claim #:

Sample Number: 24

Sample Location: Hall at CR 215/216

Date Collected: 11/12/23

Test Requested: Non-viable spore trap analysis

Date Analyzed: 11/13/23

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	17%
Ascospores	2	27	spores/m ³	17%
Basidiospores	1	13	spores/m ³	8%
Smuts, <i>Periconia</i> , Myxomycetes	1	13	spores/m ³	8%
<i>Penicillium/Aspergillus</i> Group	6	80	spores/m ³	50%
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	12	160	spores/m³	

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

**LRC Indoor Testing and Research**

140 Iowa Lane, Suite 102

Cary, NC 27511

(919) 342-4936

Certificate of Laboratory Analysis**Non-Viable Spore Trap Analysis****Dare County Schools****Ian Adams****3020 S Wrightsville Ave.****Nags head, NC****Project #: 23-2207****Project Location:** First Flight High
100 Veterans Drive
Kill Devil Hills, NC**Project Type:** IEQ**PO/Claim #:****Sample Number:** 25**Sample Location:** Hall at CR 204**Date Collected:** 11/12/23**Test Requested:** Non-viable spore trap analysis**Date Analyzed:** 11/13/23**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	50%
Ascospores		-	spores/m ³	-
Basidiospores	1	13	spores/m ³	17%
Smuts, <i>Periconia</i> , Myxomycetes		-	spores/m ³	-
<i>Penicillium/Aspergillus</i> Group	2	27	spores/m ³	33%
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.

**Certificate of Laboratory Analysis**

Non-Viable Spore Trap Analysis

Dare County Schools

Ian Adams

3020 S Wrightsville Ave.

Nags head, NC

Project #: 23-2207

Project Location: First Flight High
100 Veterans Drive
Kill Devil Hills, NC

Project Type: IEQ

PO/Claim #:

Sample Number: 26

Sample Location: CR201

Date Collected: 11/12/23

Test Requested: Non-viable spore trap analysis

Date Analyzed: 11/13/23

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	40%
Ascospores		-	spores/m ³	-
Basidiospores	2	27	spores/m ³	20%
Smuts, <i>Periconia</i> , Myxomycetes		-	spores/m ³	-
<i>Penicillium/Aspergillus</i> Group	3	40	spores/m ³	30%
Hyphal Elements	1	13	spores/m ³	10%
<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	10	133	spores/m³	

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

**LRC Indoor Testing and Research**

140 Iowa Lane, Suite 102

Cary, NC 27511

(919) 342-4936

Certificate of Laboratory Analysis**Non-Viable Spore Trap Analysis****Dare County Schools****Ian Adams****3020 S Wrightsville Ave.****Nags head, NC****Project #: 23-2207****Project Location:** First Flight High
100 Veterans Drive
Kill Devil Hills, NC**Project Type:** IEQ**PO/Claim #:****Sample Number:** 27**Sample Location:** Outdoor Air**Date Collected:** 11/12/23**Test Requested:** Non-viable spore trap analysis**Date Analyzed:** 11/13/23**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>	15	200	spores/m ³	19%
Ascospores	36	480	spores/m ³	47%
Basidiospores	7	93	spores/m ³	9%
Smuts, <i>Periconia</i> , Myxomycetes	5	67	spores/m ³	6%
<i>Penicillium/Aspergillus</i> Group	9	120	spores/m ³	12%
Hyphal Elements	2	27	spores/m ³	3%
<i>Alternaria</i>		-	spores/m ³	-
<i>Curvularia</i>		-	spores/m ³	-
<i>Epicoecum</i>		-	spores/m ³	-
<i>Cercospora</i>	3	40	spores/m ³	4%
<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	77	1027	spores/m³	

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



Certificate of Laboratory Analysis

Project #: **23-2207**

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.

Chain of Custody available on request

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

11/13/2023