Reliant Environmental

September 4, 2026

Mr. Danny Bustle
Assistant Maintenance Director
Iredell-Statesville Schools
Facilities & Planning
350 Old Murdock Road
Troutman, North Carolina 28166

RE: Indoor Air Quality Testing – Iredell-Statesville Schools – Coddle Creek Elementary
141 Franks Crossing Loop – Mooresville, North Carolina 28114

Mr. Bustle:

Attached, please find the final report for the indoor air quality testing conducted at the above referenced site. All testing was conducted on ***September 2, 2026***.

If you should have any questions or require additional information, please call me at 828-421-6900.

Sincerely,

Terry L. LaDuke

Terry L. LaDuke
Member/Manager

INDOOR AIR QUALITY TESTING
FINAL REPORT

Iredell-Statesville Schols
Coddle Creek Elementary School
141 Franks Crossing Loop
Mooresville, North Carolina

Prepared For:

Mr. Danny Bustle
Assistant Maintenance Director
Iredell-Statesville Schools
Facilities & Planning
350 Old Murdock Road
Troutman, North Carolina 28166

Prepared By:

Reliant Environmental
92 Elaine Drive
Canton, North Carolina 28716

Terry L. LaDuke
Terry L. LaDuke

September 4, 2026

INDOOR AIR QUALITY TESTING
FINAL REPORT

Iredell-Statesville Schols
Coddle Creek Elementary School
141 Franks Crossing Loop
Mooresville, North Carolina

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INDOOR AIR QUALITY TESTING ROUND 2

Iredell-Statesville Schols
Coddle Creek Elementary School
141 Franks Crossing Loop
Mooresville, North Carolina

I. INTRODUCTION:

Reliant Environmental was contracted by Iredell-Statesville Schools to conduct indoor air quality testing in nine (9) areas of the Coddle Creek Elementary School located at 141 Franks Crossing Loop in Mooresville, North Carolina. Work included ambient air sample collection and analysis for fungi in nine (9) interior locations and one (1) exterior location for comparison purposes.

Site Visit:

On ***September 2, 2026,*** Reliant Environmental representatives, Terry L. LaDuke and Shane A. Moody conducted the indoor air quality testing at locations which were chosen by Iredell-Statesville Schools.

Classroom Wings C and D have reportedly been cleaned over the previous two weekends. Classroom Wing B will reportedly be cleaned this upcoming weekend.

II. SAMPLING METHODOLOGY:

Air Samples – Fungi Analysis Direct Exam: Spore Trap sampling is designed for the rapid collection and analysis of a wide range of airborne particles. A vacuum pump is utilized for sample collection, which is calibrated before and after each day of sampling. Air sampling for individual cassettes is 15.0 liters per minute for 5 minutes for a total volume of 75 liters of air. See laboratory results in ***Table 1 of Section III***.

CO, CO_2, Temperature, and RH: Carbon monoxide, carbon dioxide, temperature, and relative humidity (rh) were measured using the AQM4 Indoor Air Quality Meter which has the capability to log readings over a specified period of time and graph the individual measurements. See measurements in ***Table 4 of Section III***.

Particle Counts: Reliant Environmental measured particle counts using the Airy Technology Handheld Laser Particle Counter Model P311. The particle counter measures three (3) particle sizes simultaneously including 0.3µ, 0.5µ and 5.0µ particles. Particle counts were measured using the total (cumulative) count mode for one minute at a flow rate of 2.83 liters per minute. Three readings were measured at each sample location. The average of the three particle count readings is displayed in ***Table 5 of Section III, Particle Count Results.***

III. SAMPLE LABORATORY ANALYSIS AND IAQ MEASUREMENTS:

Air Samples – Fungi Analysis:

Laboratory analyses were performed on air samples by Scientific Analytical Institute, using SAI Method B-SOP-003, Direct Exam: Spore Trap Analysis of Air Sample. Areas sampled and corresponding results are shown on the ***Site Drawing*** in ***Appendix D*** and listed below:

Fungi Laboratory Results of Air Samples

Sample Number	Location	Counts Per Cubic Meter
484608	A Wing Corridor @ Room A111	313 – Ascospores 157 – Basidiospores 78.4 – Cladosporium 78.4 – Curvularia 157 – Pithomyces
		784 – Total Fungi 78.4 – Hyphal Fragments 157 - Pollen 40 – 60 % - Skin Cell Debris 40 – 60 % - Total Debris

Sample Number	Location	Counts Per Cubic Meter
484425	C Wing Corridor @ Room C106	235 – Ascospores 157 – Basidiospores 157 – Curvularia
		549 – Total Fungi 235 – Hyphal Fragments 40 – 60 % - Skin Cell Debris 60 – 80 % - Total Debris

Sample Number	Location	Counts Per Cubic Meter
484605	D Wing Corridor @ Room D111	627 – Ascospores 313 – Basidiospores 235 – Cladosporium 157 – Curvularia 78.4 - Epicoccum 157 – Myxomycete/Rust/Smut-like 78.4 – Pithomyces
		1,650 – Total Fungi 40 – 60 % - Skin Cell Debris 40 – 60 % - Total Debris

See laboratory data sheets attached in Appendix A.

III. SAMPLE LABORATORY ANALYSIS AND IAQ MEASUREMENTS:

Air Samples – Fungi Analysis:

Laboratory analyses were performed on air samples by Scientific Analytical Institute, using SAI Method B-SOP-003, Direct Exam: Spore Trap Analysis of Air Sample. Areas sampled and corresponding results are shown on the ***Site Drawing*** in ***Appendix D*** and listed below:

Fungi Laboratory Results of Air Samples

Sample Number	Location	Counts Per Cubic Meter
485975	Room D122	235 – Ascospores 3,840 – Aspergillus/Penicillium-like 235 – Basidiospores 78,4 – Cladosporium 78.4 – Curvularia 78.4 – Myxomycete/Rust/Smut-like
		4,550 – Total Fungi 78.4 – Hyphal Fragments 40 – 60 % - Skin Cell Debris 40 – 60 % - Total Debris

Sample Number	Location	Counts Per Cubic Meter
484580	C Wing Corridor @ Room C129	157 – Alternaria 862 – Ascospores 549 – Aspergillus/Penicillium-like 705 – Basidiospores 705 – Cladosporium 470 – Curvularia 78.4 – Drechslera/Bipolaris 157 - Epicoccum 549 – Myxomycete/Rust/Smut-like 78.4 - Nigrospora 235 – Pithomyces
		4,550 – Total Fungi 313 – Hyphal Fragments 157 - Pollen 40 – 60 % - Skin Cell Debris 60 – 80 % - Total Debris

See laboratory data sheets attached in Appendix A.

III. SAMPLE LABORATORY ANALYSIS AND IAQ MEASUREMENTS:

Air Samples – Fungi Analysis:

Laboratory analyses were performed on air samples by Scientific Analytical Institute, using SAI Method B-SOP-003, Direct Exam: Spore Trap Analysis of Air Sample. Areas sampled and corresponding results are shown on the ***Site Drawing*** in ***Appendix D*** and listed below:

Fungi Laboratory Results of Air Samples

Sample Number	Location	Counts Per Cubic Meter
484390	Room C140	627 – Ascospores 705 – Basidiospores 313 – Cladosporium 78.4 – Curvularia 78.4 – Drechslera/Bipolaris 157 - Epicoccum 549 – Myxomycete/Rust/Smut-like 313 – Pithomyces 78.4 - Polythrincium
		3,600 – Total Fungi 392 – Hyphal Fragments 78.4 - Pollen 40 – 60 % - Skin Cell Debris 60 – 80 % - Total Debris

Sample Number	Location	Counts Per Cubic Meter
484418	C Wing Corridor @ Room C115	313 – Ascospores 157 – Aspergillus/Penicillium-like 157 – Basidiospores 78.4 – Cladosporium 78.4 – Curvularia 78.4 - Epicoccum 235 – Pithomyces
		1,100 – Total Fungi 78.4 – Hyphal Fragments 40 – 60 % - Skin Cell Debris 40 – 60 % - Total Debris

See laboratory data sheets attached in Appendix A.

III. SAMPLE LABORATORY ANALYSIS AND IAQ MEASUREMENTS:

Air Samples – Fungi Analysis:

Laboratory analyses were performed on air samples by Scientific Analytical Institute, using SAI Method B-SOP-003, Direct Exam: Spore Trap Analysis of Air Sample. Areas sampled and corresponding results are shown on the ***Site Drawing*** in ***Appendix D*** and listed below:

Fungi Laboratory Results of Air Samples

Sample Number	Location	Counts Per Cubic Meter
485996	B Wing Corridor @ Room B120	470 – Ascospores 392 – Aspergillus/Penicillium-like 470 – Basidiospores 313 – Cladosporium 157 – Curvularia 78.4 – Drechslera/Bipolaris 78.4 – Myxomycete/Rust/Smut-like
		1,960 – Total Fungi 157 – Hyphal Fragments 40 – 60 % - Skin Cell Debris 40 – 60 % - Total Debris

Sample Number	Location	Counts Per Cubic Meter
484423	Room B129	392 – Ascospores 1,180 – Aspergillus/Penicillium-like 235 – Basidiospores 313 – Cladosporium 392 – Curvularia 78.4 – Drechslera/Bipolaris 78.4 - Epicoccum 157 – Myxomycete/Rust/Smut-like 78.4 - Spegazzinia
		2,900 – Total Fungi 235 – Hyphal Fragments 40 – 60 % - Skin Cell Debris 40 – 60 % - Total Debris

See laboratory data sheets attached in Appendix A.

III. SAMPLE LABORATORY ANALYSIS AND IAQ MEASUREMENTS:

Air Samples – Fungi Analysis:

Laboratory analyses were performed on air samples by Scientific Analytical Institute, using SAI Method B-SOP-003, Direct Exam: Spore Trap Analysis of Air Sample. Areas sampled and corresponding results are shown on the ***Site Drawing*** in ***Appendix D*** and listed below:

Fungi Laboratory Results of Air Samples

Sample Number	Location	Counts Per Cubic Meter
484540	Exterior	313 – Alternaria > 23,500 – Ascospores 392 – Aspergillus/Penicillium-like 16,500 – Basidiospores 313 – Cercospora-like 3,210 – Cladosporium 157 – Curvularia 78.4 – Drechslera/Bipolaris 78.4 - Epicoccum 157 – Myxomycete/Rust/Smut-like 392 - Nigrospora 392 – Pithomyces 78.4 – Polythrincium 157 – Pyricularia 78.4 - Spegazzinia 313 – Unknown/Other
		> 46,200 – Total Fungi 235 – Hyphal Fragments 78.4 - Pollen 0 – 20 % - Skin Cell Debris 40 – 60 % - Total Debris

See laboratory data sheets attached in Appendix A.

III. SAMPLE LABORATORY ANALYSIS AND IAQ MEASUREMENTS continued:

CO, CO_2, Temperature, and RH:

Carbon monoxide, carbon dioxide, temperature, and relative humidity (RH) were measured using the AQM4 Indoor Air Quality Meter which as the capability to log readings over a specified period of time and graph the individual measurements. See recorded measurements in ***Table 4*** below:

TABLE 2
CO, CO_2, Temperature, and RH

Location	Temperature	% Relative Humidity	Carbon Monoxide ppm	Carbon Dioxide ppm
A Wing Corridor @ Room A111	72.3	51.9	0	862
C Wing Corridor @ Room C106	75.3	50.4	0	1,006
D Wing Corridor @ Room D111	74.3	53.9	0	1,148
Room D122	72.6	53.8	0	1,170
C Wing Corridor @ Room C129	73.1	54.2	0	1,176
Room C140	72.9	55.1	0	1,629
C Wing Corridor @ Room C115	74.6	55.2	0	1,081
B Wing Corridor @ Room B120	73.3	59.1	0	1,621
Room B129	72.7	64.0	0	1,693
Exterior	82.0	72.9	0	614

III. SAMPLE LABORATORY ANALYSIS AND IAQ MEASUREMENTS continued:

Particle Counts:

The particle counter measures three (3) particle sizes simultaneously including 0.3µ, 0.5µ and 5.0µ particles. Particle counts were measured using the total (cumulative) count mode for one minute at a flow rate of 2.83 liters per minute. Three readings were measured at each sample location. See recorded readings in ***Table 5*** below:

TABLE 3
Particle Counts

Location	0.3 *u*	0.5 *u*	5.0 *u*
A Wing Corridor @ Room A111	56,706	3,209	0
C Wing Corridor @ Room C106	58,039	3,458	0
D Wing Corridor @ Room D111	73,456	5,630	0
Room D122	70,036	4,567	0
C Wing Corridor @ Room C129	64,032	4,422	0
Room C140	66,392	4,289	0
C Wing Corridor @ Room C115	48,489	2,648	0
B Wing Corridor @ Room B120	27,044	1,705	0
Room B129	28,211	1,527	0
Exterior	139,924	15,022	8

IV. CONCLUSIONS:

The following conclusions are based on the results of laboratory analyses of air and surface samples, general indoor air quality measurements, and inspections:

1) The total interior air fungal counts in the areas tested in this study range from 549 – > 4,550 counts/m^3 compared to a count of > 46,200 counts/m^3 outdoors. All of the nine (9) areas sampled all within the accepted 1/3 total counts/m^3 of the exterior levels. All fungal species identified indoors were also identified outdoors at the same or higher levels with the exception of the following:

Room D122 – Significant Amplification

Aspergillus/Penicillium-like	3,840 counts/m^3	Exterior – 392 counts/m^3

C Wing Corridor @ Room C129 – Minor Amplification

Aspergillus/Penicillium-like	549 counts/m^3	Exterior – 392 counts/m^3
Curvularia	470 counts/m^3	Exterior – 157 counts/m^3
Epicoccum	157 counts/m^3	Exterior – 78.4 counts/m^3
Myxomycete/Rust/Smut-like	549 counts/m^3	Exterior – 157 counts/m^3

Room C140 – Minor Amplification

Curvularia	784 counts/m^3	Exterior – 157 counts/m^3
Epicoccum	157 counts/m^3	Exterior – 78.4 counts/m^3
Myxomycete/Rust/Smut-like	549 counts/m^3	Exterior – 157 counts/m^3

Room B129 – Significant Amplification

Aspergillus/Penicillium-like	1,180 counts/m^3	Exterior – 392 counts/m^3
Curvularia	392 counts/m^3	Exterior – 157 counts/m^3

2) Based on the American Society of Heating, Refrigeration and Air-Conditioning Engineers (ASHRAE), a "comfort zone" is defined as an area where comfort is maintained for 80% of the users of a space. Figure 1 of ***Appendix C*** depicts the ASHRAE graph illustrating temperature and relative humidity and the area of the "comfort zone". The interior areas tested in this study are within the ASHRAE comfort zone.

3) Indoor carbon dioxide levels in all interior areas tested in this study are less than the ASHRAE recommended level of 1,000 ppm for all indoor air. Other literature indicates adequate ventilation in an indoor environment at ≤ 600 ppm. The interior sampling data indicated levels ranging from 862 – 1,693 ppm as shown in ***Table 2*** of ***Section III***.

IV. CONCLUSIONS:

The following conclusions are based on the results of laboratory analyses of air and surface samples, general indoor air quality measurements, and inspections:

4) The carbon monoxide levels measured in all indoor areas tested in this study are well below the OSHA Time Weighted Average (TWA) of 25 ppm. All interior levels are 0 ppm as shown in ***Table 2*** of ***Section III***.

5) Indoor ambient particle counts ranged from 27,044 – 73,456 at 0.3 micron, 1,527 – 5,630 at 0.5 micron and 0 at 5.0 micron for the interior areas tested in this study. Outdoor particle counts are 139,924 at 0.3 micron, 15,022 at 0.5 micron and 8 at 5.0 micron. Indoor particle counts are lower than outdoor counts at the 0.3, 0.5 and 5.0 micron levels as shown in ***Table 3*** of ***Section III***.

V. RECOMMENDATIONS & DISCUSSION:

The following recommendations and discussion are based on the results of air sample laboratory results, general indoor air quality measurements, and visual inspections:

1) Room D122, C Wing Corridor @ Room C129, Room C140 and Room B129 all contain various species of fungi which are higher than exterior levels. The amplification ranges from minor to significant.

2) Aspergillus/Penicillium-like species is the most concerning which has signification amplification in Rooms D122 and B129 and minor amplification in C Corridor @ Room C129. Rooms D122 and B129 should have the HVAC system inspected and the rooms re-cleaned. Once all cleaning and inspections of HVAC have been completed the two rooms should undergo indoor air testing to ensure fungi levels have been reduced to acceptable levels.

3) A small number of areas were sampled during this survey; no representation can be made in regard to other classrooms or areas of the building.

APPENDIX A

AIR SAMPLE
LABORATORY ANALYSIS

Reliant Environmental

Direct Exam: Spore Trap Analysis

SAI Method B-SOP-003

Customer: Reliant Environmental
92 Elaine Dr
Canton, NC 28716

Attn: Shane Moody

Project: ISS - CCE

Lab Order ID: 10117212
Analysis: STA
Date Received: 09/03/2026
Date Reported: 09/03/2026

Sample ID	484608			484425			484605			EXTERIOR		
Lab Sample ID	10117212_0001			10117212_0002			10117212_0003			AVERAGE		
Description	Corridor @ A111			Corridor @ C106			Corridor @ D111			N/A		
Lab Notes										N/A		
Volume (L)	75			75			75			N/A		
Analytical Sensitivity (counts/m³)	78			78			78			N/A		
IDENTIFICATION	Raw Count	Concentration (counts/m³)	% Of Total	Raw Count	Concentration (counts/m³)	% Of Total	Raw Count	Concentration (counts/m³)	% Of Total	Raw Count	Concentration (counts/m³)	% Of Total
Alternaria										4	313	0.679%
Ascospores	4	313	40.0%	3	235	42.9%	8	627	38.1%	>300	>23500	50.9%**
Aspergillus/Penicillium-like										5	392	0.849%
Basidiospores	2	157	20.0%	2	157	28.6%	4	313	19.0%	211	16500	35.8%
Cercospora-like										4	313	0.679%
Cladosporium	1	78.4	10.0%				3	235	14.3%	41	3210	6.96%
Curvularia	1	78.4	10.0%	2	157	28.6%	2	157	9.52%	2	157	0.340%
Drechslera/Bipolaris										1	78.4	0.170%
Epicoccum							1	78.4	4.76%	1	78.4	0.170%
Myxomycete/Rust/Smut-like							2	157	9.52%	2	157	0.340%
Nigrospora										5	392	0.849%
Pithomyces	2	157	20.0%				1	78.4	4.76%	5	392	0.849%
Polythrincium										1	78.4	0.170%
Pyricularia										2	157	0.340%
Spegazzinia										1	78.4	0.170%
Unknown/Other										4	313	0.679%
TOTAL	10	784	100.%	7	549	100.%	21	1650	100.%	>589	>46200	100.%
Non-Cellulosic Fibers	-	-	-	-	-	-	-	-	-	-	-	-
Hyphal Fragments	1	78.4	-	3	235	-	-	-	-	3	235	-
Insect Parts	-	-	-	-	-	-	-	-	-	-	-	-
Pollen	2	157	-	-	-	-	-	-	-	1	78.4	-
Skin Cell % of Total Debris		40-60%			40-60%			40-60%			N/A	
Total Debris in Background		40-60%			60-80%			40-60%			N/A	

Disclaimer: This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. Unless otherwise noted blank sample correction was not performed on analytical results. Scientific Analytical Institute participates in the AIHA EMPAT program for fungi. EMPAT Laboratory ID: 173190. Reporting Limit equals Analytical Sensitivity. Unless indicated, areas and volumes were provided by the customer.

**High spore concentrations denote an approximate percentage of total amount.

Darrin Parrick (10)
Analyst

Approved Signatory

Indoor Air Quality Testing
ISS – Coddle Creek Elementary
141 Franks Crossing Loop - Mooresville, NC

Reliant Environmental

Direct Exam: Spore Trap Analysis

SAI Method B-SOP-003

Customer: Reliant Environmental
92 Elaine Dr
Canton, NC 28716

Attn: Shane Moody

Project: ISS - CCE

Lab Order ID: 10117212
Analysis: STA
Date Received: 09/03/2026
Date Reported: 09/03/2026

Sample ID	485975			484580			484390			EXTERIOR		
Lab Sample ID	10117212_0004			10117212_0005			10117212_0006			AVERAGE		
Description	D122			Corridor @ C129			C140			N/A		
Lab Notes										N/A		
Volume (L)	75			75			75			N/A		
Analytical Sensitivity (counts/m³)	78			78			78			N/A		
IDENTIFICATION	**Raw Count**	**Concentration (counts/m³)**	**% Of Total**	**Raw Count**	**Concentration (counts/m³)**	**% Of Total**	**Raw Count**	**Concentration (counts/m³)**	**% Of Total**	**Raw Count**	**Concentration (counts/m³)**	**% Of Total**
Alternaria				2	157	3.45%				4	313	0.679%
Ascospores	3	235	5.17%	11	862	19.0%	8	627	17.4%	>300	>23500	50.9%**
Aspergillus/Penicillium-like	49	3840	84.5%	7	549	12.1%				5	392	0.849%
Basidiospores	3	235	5.17%	9	705	15.5%	9	705	19.6%	211	16500	35.8%
Cercospora-like										4	313	0.679%
Cladosporium	1	78.4	1.72%	9	705	15.5%	4	313	8.7%	41	3210	6.96%
Curvularia	1	78.4	1.72%	6	470.	10.3%	10	784	21.7%	2	157	0.340%
Drechslera/Bipolaris				1	78.4	1.72%	1	78.4	2.17%	1	78.4	0.170%
Epicoccum				2	157	3.45%	2	157	4.35%	1	78.4	0.170%
Myxomycete/Rust/Smut-like	1	78.4	1.72%	7	549	12.1%	7	549	15.2%	2	157	0.340%
Nigrospora				1	78.4	1.72%				5	392	0.849%
Pithomyces				3	235	5.17%	4	313	8.7%	5	392	0.849%
Polythrincium							1	78.4	2.17%	1	78.4	0.170%
Pyricularia										2	157	0.340%
Spegazzinia										1	78.4	0.170%
Unknown/Other										4	313	0.679%
TOTAL	**58**	**4550**	**100.%**	**58**	**4550**	**100.%**	**46**	**3600**	**100.%**	**>589**	**>46200**	**100.%**
Non-Cellulosic Fibers	-	-	-	-	-	-	-	-	-	-	-	-
Hyphal Fragments	1	78.4	-	4	313	-	5	392	-	3	235	-
Insect Parts	-	-	-	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	2	157	-	1	78.4	-	1	78.4	-
Skin Cell % of Total Debris		**40-60%**			**40-60%**			**40-60%**			**N/A**	
Total Debris in Background		**40-60%**			**60-80%**			**60-80%**			**N/A**	

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**High spore concentrations denote an approximate percentage of total amount.

Darrin Parrick (10)
Analyst

Approved Signatory

Indoor Air Quality Testing
ISS – Coddle Creek Elementary
141 Franks Crossing Loop - Mooresville, NC

Reliant Environmental

Direct Exam: Spore Trap Analysis

SAI Method B-SOP-003

Customer: Reliant Environmental
92 Elaine Dr
Canton, NC 28716

Attn: Shane Moody

Project: ISS - CCE

Lab Order ID: 10117212
Analysis: STA
Date Received: 09/03/2026
Date Reported: 09/03/2026

Sample ID	484418			485996			484423			EXTERIOR		
Lab Sample ID	10117212_0007			10117212_0008			10117212_0009			AVERAGE		
Description	Corridor @ C115			Corridor @ B120			B129			N/A		
Lab Notes										N/A		
Volume (L)	75			75			75			N/A		
Analytical Sensitivity (counts/m³)	78			78			78			N/A		
IDENTIFICATION	Raw Count	Concentration (counts/m³)	% Of Total	Raw Count	Concentration (counts/m³)	% Of Total	Raw Count	Concentration (counts/m³)	% Of Total	Raw Count	Concentration (counts/m³)	% Of Total
Alternaria										4	313	0.679%
Ascospores	4	313	28.6%	6	470.	24.0%	5	392	13.5%	>300	>23500	50.9%**
Aspergillus/Penicillium-like	2	157	14.3%	5	392	20.0%	15	1180	40.5%	5	392	0.849%
Basidiospores	2	157	14.3%	6	470.	24.0%	3	235	8.11%	211	16500	35.8%
Cercospora-like										4	313	0.679%
Cladosporium	1	78.4	7.14%	4	313	16.0%	4	313	10.8%	41	3210	6.96%
Curvularia	1	78.4	7.14%	2	157	8.00%	5	392	13.5%	2	157	0.340%
Drechslera/Bipolaris				1	78.4	4.00%	1	78.4	2.7%	1	78.4	0.170%
Epicoccum	1	78.4	7.14%				1	78.4	2.7%	1	78.4	0.170%
Myxomycete/Rust/Smut-like				1	78.4	4.00%	2	157	5.41%	2	157	0.340%
Nigrospora										5	392	0.849%
Pithomyces	3	235	21.4%							5	392	0.849%
Polythrincium										1	78.4	0.170%
Pyricularia										2	157	0.340%
Spegazzinia							1	78.4	2.7%	1	78.4	0.170%
Unknown/Other										4	313	0.679%
TOTAL	14	1100	100.%	25	1960	100.%	37	2900	100.%	>589	>46200	100.%
Non-Cellulosic Fibers	-	-	-	-	-	-	-	-	-	-	-	-
Hyphal Fragments	1	78.4	-	2	157	-	3	235	-	3	235	-
Insect Parts	-	-	-	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	-	-	-	-	-	-	1	78.4	-
Skin Cell % of Total Debris		40-60%			40-60%			40-60%			N/A	
Total Debris in Background		40-60%			40-60%			40-60%			N/A	

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**High spore concentrations denote an approximate percentage of total amount.

Darrin Parrick (10)
Analyst

Approved Signatory

Indoor Air Quality Testing
ISS – Coddle Creek Elementary
141 Franks Crossing Loop - Mooresville, NC

Reliant Environmental

Direct Exam: Spore Trap Analysis

SAI Method B-SOP-003

Customer: Reliant Environmental
92 Elaine Dr
Canton, NC 28716

Attn: Shane Moody

Project: ISS - CCE

Lab Order ID: 10117212
Analysis: STA
Date Received: 09/03/2026
Date Reported: 09/03/2026

Sample ID	484540									EXTERIOR		
Lab Sample ID	10117212_0010									AVERAGE		
Description	Exterior									N/A		
Lab Notes										N/A		
Volume (L)	75									N/A		
Analytical Sensitivity (counts/m³)	78									N/A		
IDENTIFICATION	**Raw Count**	**Concentration (counts/m³)**	**% Of Total**	**Raw Count**	**Concentration (counts/m³)**	**% Of Total**	**Raw Count**	**Concentration (counts/m³)**	**% Of Total**	**Raw Count**	**Concentration (counts/m³)**	**% Of Total**
Alternaria	4	313	0.679%							4	313	0.679%
Ascospores	>300	>23500	50.9%**							>300	>23500	50.9%**
Aspergillus/Penicillium-like	5	392	0.849%							5	392	0.849%
Basidiospores	211	16500	35.8%							211	16500	35.8%
Cercospora-like	4	313	0.679%							4	313	0.679%
Cladosporium	41	3210	6.96%							41	3210	6.96%
Curvularia	2	157	0.340%							2	157	0.340%
Drechslera/Bipolaris	1	78.4	0.170%							1	78.4	0.170%
Epicoccum	1	78.4	0.170%							1	78.4	0.170%
Myxomycete/Rust/Smut-like	2	157	0.340%							2	157	0.340%
Nigrospora	5	392	0.849%							5	392	0.849%
Pithomyces	5	392	0.849%							5	392	0.849%
Polythrincium	1	78.4	0.170%							1	78.4	0.170%
Pyricularia	2	157	0.340%							2	157	0.340%
Spegazzinia	1	78.4	0.170%							1	78.4	0.170%
Unknown/Other	4	313	0.679%							4	313	0.679%
TOTAL	>589	>46200	100.%	-	-	-	-	-	-	>589	>46200	100.%
Non-Cellulosic Fibers	-	-	-	-	-	-	-	-	-	-	-	-
Hyphal Fragments	3	235	-	-	-	-	-	-	-	3	235	-
Insect Parts	-	-	-	-	-	-	-	-	-	-	-	-
Pollen	1	78.4	-	-	-	-	-	-	-	1	78.4	-
Skin Cell % of Total Debris	**0-20%**			**N/A**			**N/A**			**N/A**		
Total Debris in Background	**40-60%**			**N/A**			**N/A**			**N/A**		

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**High spore concentrations denote an approximate percentage of total amount.

Darrin Parrick (10)
Analyst

Approved Signatory

Indoor Air Quality Testing
ISS – Coddle Creek Elementary
141 Franks Crossing Loop - Mooresville, NC

818816438577

Scientific Analytical Institute
302-L Pomona Dr. Greensboro, NC 27407
Phone: 336.292.3888 Fax: 336.292.3313
www.sailab.com lab@sailab.com

Lab Use Only
Lab Order ID: 101721
Client Code: _____

Company Contact Information	
Company: Reliant Environmental	Contact: Shane Moody
Address: 4 Elaine Dr.	Phone ☐:
Canton, NC 28716	Fax ☐:
	Email ☒: Smoody@reliantenviro.com

Billing/Invoice Information	Turn Around Times	
Company:	90 Min. ☐	48 Hours ☐
Contact:	3 Hours ☐	72 Hours ☐
Address:	6 Hours ☐	96 Hours ☐
Same	12 Hours ☐	120 Hours ☐
	24 Hours ☒	144+Hours ☐

Microbiology Test Types	
Spore Trap - Slit Impact, ie, AOC/Allergenco (STA)	☒
Spore Trap Other, ie. Micro-5 (STO)	☐
Direct Exam Tape (DET)	☐
Direct Exam Swab (DES)	☐
Direct Exam Bulk (DEB)	☐
Fungal Culture Air (FCA)	☐
Fungal Culture Swab (FCS)	☐
Fungal Culture Bulk (FCB)	☐
Bacteria Culture Air (BCA)	☐
Bacteria Culture Bulk (BCB)	☐
Bacteria Culture Swab (BCS)	☐
Biolog (BLG)	☐
Drinking Water (BCC) (Coliform/E.coli)	☐
Other:	☐

PO Number:
Project Name/Number: ISS - CCE

Sample ID #	Description/Location	Volume/Area	Comments
484608	Corridor @ A111	75.0	
484425	Corridor @ C106		
484605	Corridor @ D111		
485975	D122		
484580	Corridor @ C129		
484390	C140		
484418	Corridor @ C115		
485996	Corridor @ B120		Accepted ☒
484423	B129		
484540	Exterior		Rejected ☐

Total # of Samples 10

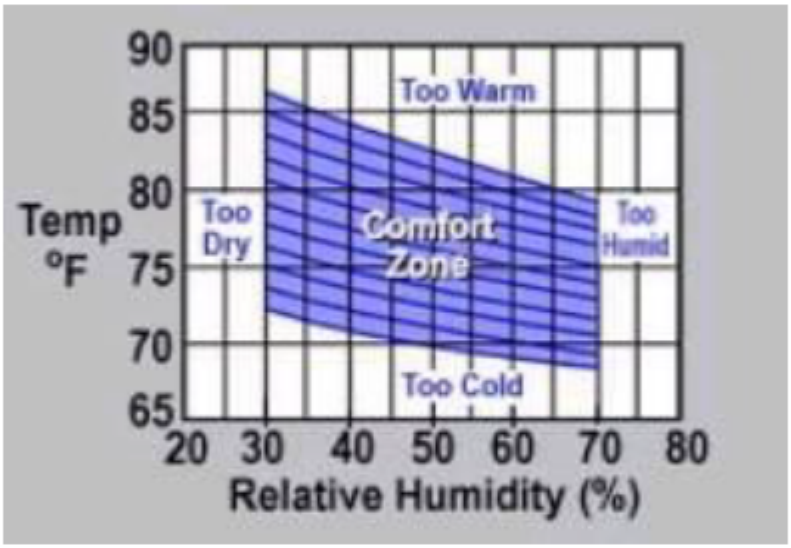
Relinquished by	Date/Time	Received by	Date/Time
[signature]	9/12/26 1:01	[signature]	9/13 10:30 am

Page ____ of ____

Scientific Analytical Institute A-F-009

APPENDIX B

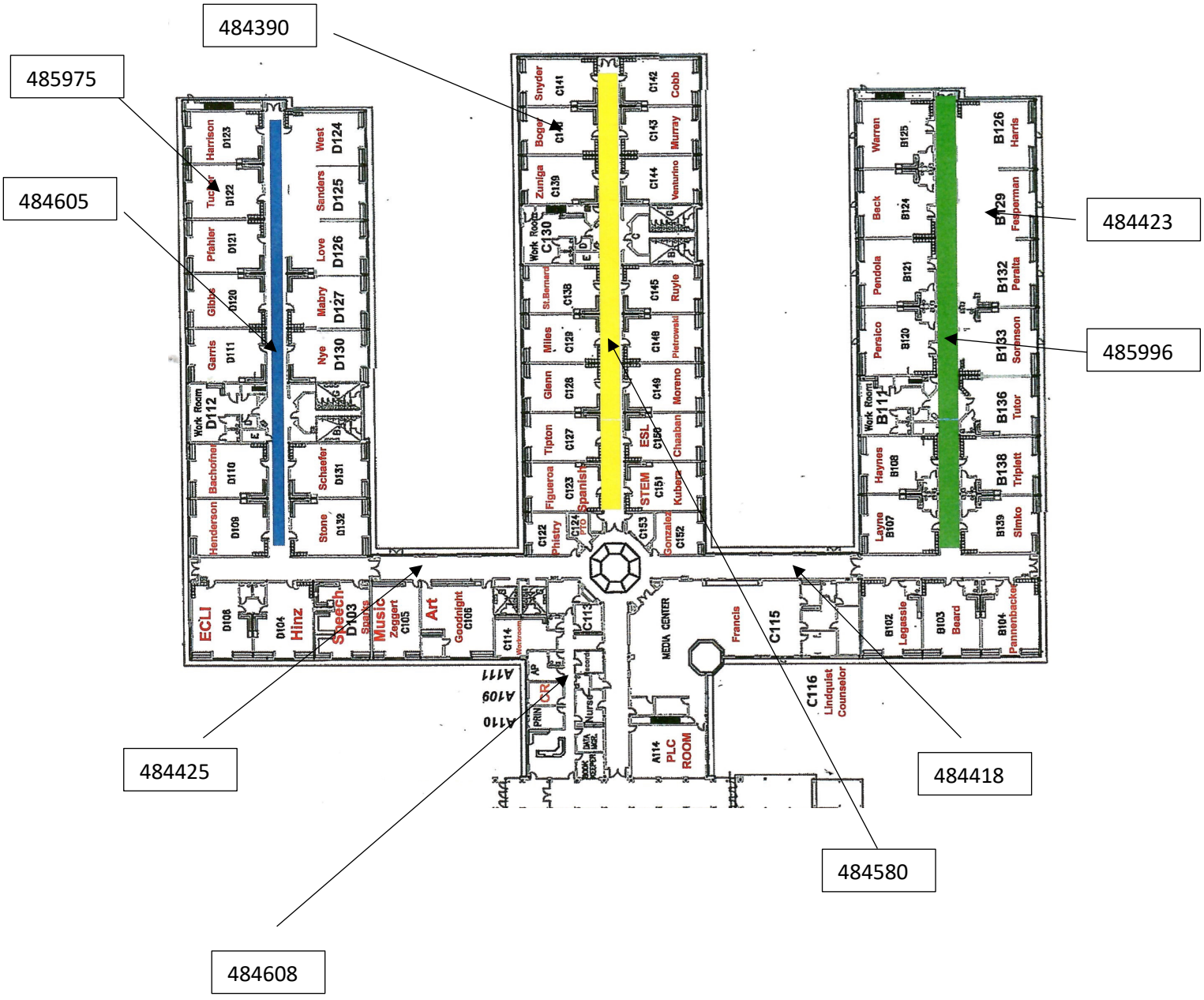
COMFORT ZONE GRAPH



ASHRAE COMFORT ZONE

APPENDIX C

SAMPLE LOCATION DRAWING



484540 was collected on the exterior at the Main Entrance

Reliant Environmental

Indoor Air Quality Testing
ISS – Coddle Creek Elementary
141 Franks Crossing Loop - Mooresville, NC