

November 11, 2024

Mr. Robert Mortka
Director of Facilities
Black Horse Pike Regional Board of Education
580 Erial Rd.
Blackwood, NJ 08102

RE: Indoor Air Quality Inspection Report – August/October 2024 Timber Creek High School Epic Project No. 24-2177

Dear Mr. Mortka:

Epic Environmental Services, LLC (Epic) was retained by the Black Horse Pike Board of Education (District) to perform indoor air quality inspections for six randomly selected areas at the Timber Creek High School. The inspections consisted of visual observations and the collection of temperature and relative humidity data. Additionally, samples for airborne mold spores were collected in the inspection areas.

The visual inspections focused on signs of moisture, water intrusion, and visible mold growth.

Temperature and relative humidity data were compared to current New Jersey Indoor Air Quality and industry standards.

Epic Environmental performed the initial inspections on August 22, 2024. A follow-up inspection was performed to assess mold clean-up efforts for contamination identified during initial inspections. The follow-up inspections were performed on October 4, 2024.

Acceptable Temperature and Relative Humidity Criteria

Acceptable Indoor Temperature Range: 68° - 79° Fahrenheit Ideal Relative Humidity Range: 30-60%

The following rooms/areas were inspected:

Room F107, School Store, Room B110, Room B203, Room D202, Room D210

Black Horse Pike Regional Board of Education Indoor Air Quality Inspection Report – August/October 2024 Timber Creek High School Epic Project No. 24-2177 November 11, 2024

Observations, Comments, and Recommendations (8/22/24)

Weather: Overcast, 66° Fahrenheit, 61% Relative Humidity

Room F107

No visible mold was observed.

No evidence of recent water intrusion was observed.

Relative humidity was within the ideal range (47%). Temperature was within the acceptable range.

Airborne mold spore concentrations were near or below outside (background) concentrations.

No action required at this time.

School Store

No visible mold was observed.

No evidence of recent water intrusion was observed.

Relative humidity was within the ideal range (44%). Temperature was within the acceptable range.

Airborne mold spore concentrations were near or below outside (background) concentrations.

No action required at this time.

Room B110

No visible mold was observed.

No evidence of recent water intrusion was observed.

Relative humidity was within the ideal range (43%). Temperature was within the acceptable range.

Airborne mold spore concentrations were near or below outside (background) concentrations.

No action required at this time.

Room B203

No visible mold was observed.

No evidence of recent water intrusion was observed.

Relative humidity was within the ideal range (42%). Temperature was within the acceptable range.

Airborne mold spore concentrations were near or below outside (background) concentrations.

No action required at this time.

Room D202

No visible mold was observed.

No evidence of recent water intrusion was observed.

Relative humidity was within the ideal range (44%). Temperature was within the acceptable range.

Airborne Aspergillus/Penicillium mold spore concentrations were elevated.

Recommendations were given to the district to wipe all surfaces and operate air scrubbers to filter residual airborne mold spores. Additional air sampling was recommended after cleaning.

Room D210

No visible mold was observed.

No evidence of recent water intrusion was observed.

Relative humidity was within the ideal range (44%). Temperature was within the acceptable range.

Airborne Aspergillus/Penicillium mold spore concentrations were elevated.

Recommendations were given to the district to wipe all surfaces and operate air scrubbers to filter residual airborne mold spores. Additional air sampling was recommended after cleaning.

Observations, Comments, and Recommendations (10/4/24)

Weather: Overcast, 62° Fahrenheit, 64% Relative Humidity

Room D202

No visible mold was observed.

November 11, 2024

No evidence of recent water intrusion was observed.

Relative humidity was within the ideal range (50%). Temperature was within the acceptable range.

Airborne mold spore concentrations were near or below outside (background) concentrations.

No action required at this time.

Room D210

No visible mold was observed.

No evidence of recent water intrusion was observed.

Relative humidity was within the ideal range (50%). Temperature was within the acceptable range.

Airborne mold spore concentrations were near or below outside (background) concentrations.

No action required at this time.

General Conclusions and Recommendations

• Relative Humidity Control:

o Maintain a maximum relative humidity level of 60% during the summer cooling season, especially given that mold activity is likely to spike at humidity levels above 75%.

• Ongoing Monitoring and Preventive Measures:

- Regular inspections are advised to monitor indoor air quality and check for any evidence of mold or moisture.
- Staff should remain vigilant in identifying and reporting any signs of moisture, water intrusion, or mold growth to maintain a healthy indoor environment.

Please do not hesitate to contact me at 856-205-1077 should you have any questions.

An invoice for the completed project is enclosed.

Regards,

Tim Eberts

Senior Project Manager

Jones ; Wills

Epic Environmental Services, LLC

James Eberts

President

Epic Environmental Services, LLC

James J. Eleuts

Black Horse Pike Regional Board of Education Indoor Air Quality Inspection Report – September 2024 Timber Creek High School Epic Project No. 24-2177 November 11, 2024

Sample Data Summary Air Sampling (Initial)

Air Samples

August 22, 2024

Air Sample Location	Airborne Mold Concentrations (spores/m³)				
	Total	Individual Mold Cond	entrations		
		Ascospores	200		
Room F107	3500	Aspergillus/Penicillium	500		
		Basidiospores	1800		
		Cladosporium	800		
		Ganoderma	200		
		Aspergillus/Penicillium	200		
School Store	1060	Basidiospores	700		
		Ganoderma	80		
		Myxomycetes	80		
Room B110	280	Aspergillus/Penicillium	200		
		Cladosporium	80		
		Alternaria	80		
Room B203	1360	Aspergillus/Penicillium	700		
		Basidiospores	300		
		Cladosporium	200		
		Ascospores	200		
Room D202	4500	Aspergillus/Penicillium	1600		
		Basidiospores	1100		
		Cladosporium	1600		
		Ascospores	200		
Room D210	3380	Aspergillus/Penicillium	1800		
		Basidiospores	1100		
		Cladosporium	80		
		Ganoderma	200		
		Ascospores	2700		
Outside	49160	Aspergillus/Penicillium	600		
		Basidiospores	44500		
		Cladosporium	700		
		Ganoderma	500		
		Myxomycetes	80		
		Pithomyces	80		

- Total mold counts found in green indicate a total airborne mold level NEAR or BELOW the outside (background) level.
- Total mold counts found in red indicate a total airborne mold level significantly ABOVE the outside (background) level, and may be an indicator of active mold growth.
- Individual molds listed in green indicate an individual airborne mold level NEAR or BELOW outside the (background) level
- Individual molds listed in purple were not found in the background sample, but not considered evidence of a water/moisture issue or active mold growth.
- Individual molds listed in red indicate an individual airborne mold level significantly ABOVE the outside (background) level, and may be an indicator of active mold growth in the area.

Airborne Aspergillus/Penicillium mold spore concentrations were elevated in Rooms D202 and D210. Airborne mold spore concentrations in all other areas were at or below background (outside) levels.

Black Horse Pike Regional Board of Education Indoor Air Quality Inspection Report – September 2024 Timber Creek High School Epic Project No. 24-2177 November 11, 2024

Sample Data Summary Air Sampling (Follow-Up)

Air Samples

October 4, 2024

Till Sumples		0000001 1,2021				
Air Sample Location	Airborne	Airborne Mold Concentrations (spores/m³)				
	Total	Individual Mold Conc	entrations			
		Aspergillus/Penicillium	300			
Room D210	800	Basidiospores	300			
		Cladosporium	200			
Room D202	600	Aspergillus/Penicillium	400			
		Cladosporium	200			
		Ascospores	200			
Outside	7020	Aspergillus/Penicillium	1400			
		Basidiospores	1800			
		Bipolaris	40			
		Cladosporium	2800			
		Curvularia	80			
		Ganoderma	300			
		Myxomycetes	200			
		Pithomyces	200			

- Total mold counts found in green indicate a total airborne mold level NEAR or BELOW the outside (background) level.
- Total mold counts found in red indicate a total airborne mold level significantly ABOVE the outside (background) level, and may be an indicator of active mold growth.
- Individual molds listed in green indicate an individual airborne mold level NEAR or BELOW outside the (background) level.
- Individual molds listed in **purple** were not found in the background sample, but not considered evidence of a water/moisture issue or active mold growth.
- Individual molds listed in **red** indicate an individual airborne mold level significantly ABOVE the outside (background) level, and may be an indicator of active mold growth in the area.

Airborne mold spore concentrations were at or below background (outside) levels.



2700 W. Cypress Creek Rd. Ste. C108 Fort Lauderdale, FL 33\$09

Tel/Fax: (954) 786-9331 / (954) 941-4145

http://www.EMSL.com / ftlauderdalelab@emsl.com

Attention: James Eberts

Epic Environmental Services, LLC

80 Fork Bridge Road Pittsgrove, NJ 08318 Customer ID: EPIC62 Customer PO: 24-2177

562404008

Project ID:

Phone: (856) 205-1077 **Fax:** (856) 205-0413

EMSL Order:

 Collected Date:
 08/22/2024

 Received Date:
 08/22/2024

Analyzed Date: 08/29/2024

Project: Timber Creek HS IAQ - Routine

Test Report: Micro-5(™) Analysis of Fungal Spores & Particulates by Optical Microscopy (Methods MICRO-SOP-201, ASTM D7391)

Lab Sample Number: Client Sample ID: Volume (L): Sample Location:	5	62404008-0001 TC-01 25 Outside		5	62404008-0002 TC-02 25 F - 107		ţ	562404008-0003 TC-03 25 School Store	
Spore Types	Raw Count†	Count/m³	% of Total	Raw Count†	Count/m³	% of Total	Raw Count†	Count/m³	% of Total
Alternaria (Ulocladium)	- '	-	-	- '	-	-	-	' -	-
Ascospores	34	2700	5.5	3	200	5.7	-	-	-
Aspergillus/Penicillium++	8	600	1.2	6	500	14.3	2	200	18.9
Basidiospores	101(556)	44500	90.5	23	1800	51.4	9	700	66
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium++	-	-	-	-	-	-	-	-	-
Cladosporium	9	700	1.4	10	800	22.9	-	-	-
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium++	-	-	-	-	-	-	-	-	-
Ganoderma	6	500	1	2	200	5.7	1	80	7.5
Myxomycetes++	1	80	0.2	-	-	-	1	80	7.5
Pithomyces++	1	80	0.2	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Pyricularia	-	-	-	-	-	-	-	-	-
Total Fungi	615	49160	100	44	3500	100	13	1060	100
Hyphal Fragment	-	-	-	-	-	-	-	-	-
Insect Fragment	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	-	-	-	-	-	-
Analyt. Sensitivity 600x	-	80	-	-	80	-	-	80	-
Analyt. Sensitivity 300x	-	40*	-	-	40*	-	-	40*	-
Skin Fragments (1-4)	-	1	-	-	2	-	-	2	-
Fibrous Particulate (1-4)	-	1	-	-	1	-	-	1	-
Background (1-5)	-	3	-	-	2	-	-	3	-

++ Includes other spores with similar morphology; see EMSL's fungal glossary for each specific category.

† Due to method stopping rules, extrapolated raw counts are reported in parenthesis.

No discernable field blank was submitted with this group of samples.

Yessica Martinez Seeman, Florida Microbiology Regional Manager

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Samples analyzed by EMSL Analytical, Inc. Fort Lauderdale, FL

Initial report from: 08/29/2024 01:23 PM



2700 W. Cypress Creek Rd. Ste. C108 Fort Lauderdale, FL 33309

Tel/Fax: (954) 786-9331 / (954) 941-4145

http://www.EMSL.com / ftlauderdalelab@emsl.com

Attention: James Eberts

Epic Environmental Services, LLC

80 Fork Bridge Road Pittsgrove, NJ 08318

Project: Timber Creek HS IAQ - Routine

EMSL Order: 562404008
Customer ID: EPIC62
Customer PO: 24-2177

Project ID:

Phone: (856) 205-1077

Fax: (856) 205-0413

 Collected Date:
 08/22/2024

 Received Date:
 08/22/2024

 Analyzed Date:
 08/29/2024

Test Report: Micro-5(™) Analysis of Fungal Spores & Particulates by Optical Microscopy (Methods MICRO-SOP-201, ASTM D7391)

Lab Sample Number: Client Sample ID: Volume (L): Sample Location:	_	62404008-0004 TC-04 25 B - 110		5/	62404008-0005 TC-05 25 B - 203		5	562404008-0006 TC-06 25 D - 202	
Spore Types	Raw Count†	Count/m³	% of Total	Raw Count†	Count/m³	% of Total	Raw Count†	Count/m³	% of Total
Alternaria (Ulocladium)	-	-	-	1	80	5.9	-	-	-
Ascospores	-	-	-	-	-	-	2	200	4.4
Aspergillus/Penicillium++	2	200	71.4	9	700	51.5	20	1600	35.6
Basidiospores	-	-	-	4	300	22.1	14	1100	24.4
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium++	-	-	-	-	-	-	-	-	-
Cladosporium	1	80	28.6	3	200	14.7	20	1600	35.6
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium++	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	-	-	-
Myxomycetes++	-	-	-	-	-	-	-	-	-
Pithomyces++	-	-	-	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Pyricularia	-	-	-	1	80	5.9	-	-	-
Total Fungi	3	280	100	18	1360	100	56	4500	100
Hyphal Fragment	-	-	-	-	-	-	-	-	-
Insect Fragment	-	-	-	-	-	-	-	-	-
Pollen	1	80	_	-	-	-	-	-	-
Analyt. Sensitivity 600x	-	80	-	-	80	-	-	80	-
Analyt. Sensitivity 300x	-	40*	-	-	40*	-	-	40*	-
Skin Fragments (1-4)	-	3	-	-	2	-	-	2	-
Fibrous Particulate (1-4)	-	1	-	-	1	-	-	1	-
Background (1-5)	-	3	-	-	2	-	-	2	-

No discernable field blank was submitted with this group of samples.

Yessica Martinez Seeman, Florida Microbiology Regional Manager

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Samples analyzed by EMSL Analytical, Inc. Fort Lauderdale, FL

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⁺⁺ Includes other spores with similar morphology; see EMSL's fungal glossary for each specific category.

[†] Due to method stopping rules, extrapolated raw counts are reported in parenthesis.



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Attention: James Eberts

Epic Environmental Services, LLC

80 Fork Bridge Road Pittsgrove, NJ 08318 **Phone:** (856) 205-1077

EMSL Order:

Customer ID:

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562404008

EPIC62

Fax: (856) 205-0413

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 08/29/2024

Project: Timber Creek HS IAQ - Routine

Test Report: Micro-5(™) Analysis of Fungal Spores & Particulates by Optical Microscopy (Methods MICRO-SOP-201, ASTM D7391)

Lab Sample Number: Client Sample ID: Volume (L): Sample Location:		62404008-0007 TC-07 25 D - 210							
Spore Types	Raw Count†	Count/m³	% of Total	-	-	-	-	-	-
Alternaria (Ulocladium)	- '	-	-	-	-	-	-	-	-
Ascospores	3	200	5.9	-		_	-		
Aspergillus/Penicillium++	22	1800	53.3	-		-	-		
Basidiospores	14	1100	32.5	-		-	_		
Bipolaris++	-	-	-	-		-	-		
Chaetomium++	-	-	-	-		_	_		
Cladosporium	1	80	2.4	-		-	-		
Curvularia	-	-	-	-		-	_		
Epicoccum	-	-	-	-		-	-		
Fusarium++	-	-	-	-		-	_		
Ganoderma	2	200	5.9	-		-	-		
Myxomycetes++	-	-	-	-		-	-		
Pithomyces++	-	-	-	-		-	-		
Rust	-	-	-	-		-	-		
Scopulariopsis/Microascus	-	-	-	-		-	-		
Stachybotrys/Memnoniella	-	-	-	-		-	-		
Unidentifiable Spores	-	-	-	-		-	-		
Zygomycetes	-	-	-	-		-	-		
Pyricularia	-	-	-	-		-	-		
Total Fungi	42	3380	100	-		-	-		
Hyphal Fragment	-	-	-	-		-	-		
Insect Fragment	-	-	-	-		-	-		
Pollen	=	-	-	_	_	_	_	_	-
Analyt. Sensitivity 600x	-	80	-	-		-	-		
Analyt. Sensitivity 300x	-	40*	-			-	-		
Skin Fragments (1-4)	-	2	-	-		-	-		
Fibrous Particulate (1-4)	-	1	-	-		-	-		
Background (1-5)	-	3	-	-		-	-		

++ Includes other spores with similar morphology; see EMSL's fungal glossary for each specific category.

† Due to method stopping rules, extrapolated raw counts are reported in parenthesis.

No discernable field blank was submitted with this group of samples.

Yessica Martinez Seeman, Florida Microbiolo

Yessica Martinez Seeman, Florida Microbiology Regional Manager

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Samples analyzed by EMSL Analytical, Inc. Fort Lauderdale, FL

Initial report from: 08/29/2024 01:23 PM



Environmental Microbiology Chain of Custody EMSL Order Number(Lab Use Only):

Westmont, NJ 107 Haddon Avenue Westmont, NJ 08108 PHONE: (856) 858-4800 FAX: (856) 858-4960

Preminent Most and ID – 5 Most Most Recreational Water Screen (Cat, Dog. Cockroach, Dustmited) Most Mysotoxin Analysis Other See Analytical Price Guide	Street: 1930 Brown Road City/State/Zip: Newfield, NJ Report To (Name): James E Telephone: 856-205-1077 Project Name/Number: Please Provide Results: En	Design of the contract of the	Fax: 85 Email A H	Fait of is but of the control of the	erent note ristruction aut puires written aut eberts@epice	ons in Comments** thorization from third party.
Street: 1930 Brown Road Third Party Billing requires written authorization from third party. City/State/Zlip: Newfield, NJ 09344 Report To (Name): James Eberts Fax: 856-205-04-13 Telephone: 856-205-1077 Email Address: jeberts@epicenviro.com Project Name/Number:	City/State/Zip: Newfield, N.J. Report To (Name): James E. Telephone: 856-205-1077 Project Name/Number: T. Please Provide Results: En T. 3 Hour T. Analysis completed in accordance in M001 Air-Q-Cell M1049 BioSiS M0	ber's Miser creetc nail Purchase Order: 2 Turnsround Time (Fax: 85 Email A H	6-205-0413 Address: je	wires written aut	horization from third party.
City/State/Zip: Newfield, NJ 08344 Report To (Name): James Eberts Fax: 856-205-Q413 Telephone: 856-205-1077 Project Name/Number: Toward Constant Section of Toward Control	Report To (Name): James E Telephone: 856-205-1077 Project Name/Number: Please Provide Results: En 3 Hour 6 Hour Analysis completed in accordance M001 Ar-Q-Cell M1 M049 BioSiS M0	ber's Miser creetc nail Purchase Order: 2 Turnsround Time (Fax: 85 Email A H	6-205-0413 Address: je	berts@epice	
Telephone: 856-205-1077 Email Address: eberts@epicenviro.com Project Name/Number:	Telephone: 856-205-1077 Project Name/Number: Please Provide Results: En 1 3 Hour 1 6 Hour Analysis completed in accordance • M001 Air-Q-Cell • M1 • M049 BioSiS • M0	mail Purchase Order: 2 Turnsfound Time (Email A 1-15 16- 2-4-2177 [AT] Options*	ddress: je 30- Ca State San	sting	nviro.com
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Please Provide Results: Email Purchase Order: 241-217 State Samples Taken: NJ Turnsiround Time (TAT) Options* - Please Chock 3 Hour	Please Provide Results: En 3 Hour 6 Hour Analysis completed in accompance with the second s	Purchase Order: 2 Turnsround Time (24 Hour () 40 Hou	4-2177 (AT) Options*	State San		
Turnstround Time (TAT) Options* - Please Chock T 3 Hour	Analysis completed in accondance in M001 Air-Q-Cell • M1 • M0049 BioSiS • M0	Tumsfound Time ((AT) Options		nloe Takon A	
3 Hour 3 Hour 24 Hour 24 Hour 30 Hour 7 Week 2 Week	* M001 Air-O-Cell * M049 BioSIS * M0	24 Hour 48 Hou			ibies laveili	√J
Non Culturable Air Samples (Spore Traps)	• M001 Air-Q-Cell • M1 • M049 BioSiS • M0			ur 🗍 96 🗎	lour 🗘 1	
M049 BioSiS	M049 BioSiS M0	Non Culturable A		Spore Traps		
M030 Micro 5 M174 MotSnap M176 Felle Smart M130 Via-Cell						M172 Versa Trep
M047 Fungel Direct Examination M058 Visible Fung iD and Count M068 Visible Fung iD and Count Speciation M060 Visible Fung iD and Count Speciation M600 Real Time Q-PCH-EHMI/38 M013 MRSA Analysis M014 Endotoxin Analysis M015 Peacl Collidarm M013 MRSA Analysis M016 Cyptiococcus neotomicus M017 Mrsc Count and ID - 3 Most Steptococcus Steptoc	• K030 Micro 5					
M005 Viable Fungi ID and Count N006 Viable Fungi ID and Count Speciation N007 Culturable Fungi ID and Count Speciation N008 Culturable Fungi ID and Count Speciation N008 Culturable Fungi ID and Count Speciation N009 Culturable Fungi ID and Count Speciation N009 Culturable Fungi ID and Count N009 Gram Stain Culturable Bacteria N009 Bacterial Count and ID - 3 Most Preminent N001 Bacterial Count and ID - 5 Most Preminent N001 Bacterial Count and ID - 5 Most Preminent N001 Bacterial Count and ID - 5 Most Preminent N001 Bacterial Count and ID - 5 Most Preminent N002 Feeds Virgetococcus N004 Group Alergen N004 Group Alergen						
Name of Sampler: Morthy Elects Signature of Sampler: Morthy Elects Sample Tost Volume/Area Date/Time Collected	M005 Vizble Fungi ID and Co M006 Vizble Fungi ID and Co M007 Culturable Fungi (Speci M008 Culturable Fungi (Speci M009 Gram Stain Culturable) M010 Bacterial Count and ID Prominent M011 Bacterial Count and ID Prominent M013 Sewage Contamination	M015 H M016 H M100 R M	elerotrophic Pic eal Time Q-PC dial Golform Membrane Fillra Membrane Fillra 15 Legione (a lecrealional Wa	ation) cours cours	• M019 Fee • M133 MR • M028 Cry Detection • M120 His Detection • M033-39 • M044 Gro [Cat, Dec	al Coliform 5A Analysis plococcus neolominus toplasma capsulatus Allergen Testing up Allergen Cockroach, Dustmited a Analytical Price Guidal
Name of Sample 7	Preservation Method (Water):					7.7
Sample # Simple Location Sample Tost Volume/Area Date/Time Collected T(-0)	Name of Commission I most	4 Floore	Stance	of Commiss	720	
TC-01 OCTSIVE AIR MO30 754 81221 74 (1848) TC-02 F-107 0358 TC-03 School Store 0904 TC-04 3-110 0914 TC-05 13-203 0932 TC-06 9-207 0938		/	Sample	Tost		Date/Time Collected
TC-02 F-107 1358 TC-03 School Store 1 0964 TC-04 B-100 1974 TC-05 13-203 1972 TC-06 19.207 1973			A (a	 		- All Parks
TC-03 School Store 0904 TC-04 B-10 0904 TC-05 13-203 0932 TT-06 9-207			1		ĺ	
TC-05 13 203 0937 TC-06 9 207 0938	TC-03 5	chioul Store		<u>'</u>		
17-06 9-202 0438				'		
17-00 10-210 09-14		3 203		 	<u> </u> '	
	1 -04			 - , - 		
	10-04	1		v		0 1919
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Crient Sample # (9): TC-01 - TC-07 Total # of Samples. 7	Client Sample # (9): ITC	70-07	To	tal # of Sampl		
Retinguished (Client): Date: 2/22/24 Time: 1253	Retinquished (Client):	A KI	Date: 2/2:	2/24	Time:)2	.57
Received (Ctient): Party Date: Date: Time: 250	Received (Ctient):	that the	Date:	mony	Time:	1250
Comments/Special Instructions:		Autobiology CDC - EM1.0 - 11/23/2005		Dr.	129	

Dann 1 of



200 Route 130 North Cinnaminson, NJ 08077 Tel/Fax: (800) 220-3675 / (856) 786-0262 http://www.EMSL.com / cinnmicrolab@emsl.com EMSL Order: 372417135 Customer ID: EPIC62 Customer PO: 24-2177

Project ID:

Attention: James Eberts

Epic Environmental Services, LLC

80 Fork Bridge Road Pittsgrove, NJ 08318 Phone: (856) 205-1077

Fax: (856) 205-0413 Collected Date: 10/04/2024

Received Date: 10/04/2024 **Analyzed Date:** 10/11/2024

Project: Timber Creek IAQ Retest

Test Report: Micro-5(™) Analysis of Fungal Spores & Particulates by Optical Microscopy (Methods MICRO-SOP-201, ASTM D7391)

Lab Sample Number: Client Sample ID: Volume (L): Sample Location:		72417135-0001 TC-01 25 Rm 210			72417135-0002 TC-02 25 Rm 202			72417135-0003 TC-03 25 Outside	
Spore Types	Raw Count†	Count/m³	% of Total	Raw Count†	Count/m ³	% of Total	Raw Count†	Count/m ³	% of Total
Alternaria (Ulocladium)	-	-	-	-	-	-	-	-	-
Ascospores	-	-	-	-	-	-	2	200	2.8
Aspergillus/Penicillium++	4	300	37.5	5	400	66.7	17	1400	19.9
Basidiospores	4	300	37.5	-	-	-	23	1800	25.6
Bipolaris++	-	-	-	-	-	-	1	40*	0.6
Chaetomium++	-	-	-	-	-	-	-	-	-
Cladosporium	3	200	25	3	200	33.3	35	2800	39.9
Curvularia	-	-	-	-	-	-	1	80	1.1
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium++	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	4	300	4.3
Myxomycetes++	-	-	-	-	-	-	3	200	2.8
Pithomyces++	-	=	-	=	=	-	2	200	2.8
Rust	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Total Fungi	11	800	100	8	600	100	88	7020	100
Hyphal Fragment	-	-	-	-	-	-	-	-	-
Insect Fragment	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	-	-	-	-	-	-
Analyt. Sensitivity 600x	-	80	-	-	80		-	80	-
Analyt. Sensitivity 300x	-	40*	-	-	40*	-	-	40*	-
Skin Fragments (1-4)	-	2	-	-	1	-	-	1	-
Fibrous Particulate (1-4)	-	1	-	-	1	-	-	1	-
Background (1-5)	-	1	_	-	1	_	-	2	-

++ Includes other spores with similar morphology; see EMSL's fungal glossary for each specific category.

† Due to method stopping rules, extrapolated raw counts are reported in parenthesis.

No discernable field blank was submitted with this group of samples.

Voment Tuggolino

Vincent Iuzzolino, M.S., Laboratory Director or other Approved Signatory

EMSL Analytical, Inc. maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL Analytical, Inc. EMSL Analytical, Inc. bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. Skin Fragment and Fibrous Particulate ratings are based on the percent of non-fungal material they represent: 1 (1-25%), 2 (26-50%), 3 (51-75%), or 4 (76-100%). Background ratings are based on the total area covered by non-fungal particles: 1 (1-25%), 2 (26-50%), 3 (51-75%), or 5 (100%; overloaded). High levels of background particulate ratings are based on the total area covered by non-fungal particles of background particulates, prohibiting accurate detection and quantification. Present = Spores detected on overloaded samples. Results are not blank corrected unless otherwise noted. The detection limit is equal to one fungal spore, structure, pollen, fiber particle or insect fragment. *** Denotes particles found at 300X. **.** Denotes not detected. Due to method stopping rules, raw counts >= 100 are extrapolated based on the perentage analyzed.

Samples analyzed by LA Testing Huntington Beach, CA AIHA LAP, LLC-EMLAP Accredited #101650

Initial report from: 10/11/2024 12:36 PM

OrderID: 372417135



Microbiology Chain of Custody Form

EMSL Analytical, Inc. 200 Route 130 North

EMSL Order Number / Lab Use Only

RECIPIANTISON, NJ 08077
EMGE 1-800-220-3675

CINNA MINISO COMPANSICOM If Bill-To is the same as Report-To leav Customer ID: Billing ID: Epic Environmental Services, LEC Company Name Company Name: Epic Environmental Services, LLC Information Contact Name: Billing Contact: James Eberts James Eberts Street Address: Street Address: 80 Fork Bridge Road 80 Fork Bridge Road Customer City, State, Zip: Country: US City, State, Zip: 08318 Country: US Pittsgrove NJ 08318 Pittsgrove NJ Phone: Phone: 856-205-1077 856-205-1077 Email(s) for Report Email(s) for Invoice: jeberts@epicenviro.com **Project Information** IAQ State Purchase Project Order: netest Name/No: 24-2177 EMSL LIMS Project ID: (If applicable, EMSL will provide) Zip Code State of Connecticut (CT) must select project location: Samples NJ Samples Commercial (Taxable) Residential (Non-taxable) Collected: Collected: Sampled By Name Sampled By Signature No. of Samples Mothy Thy best Sterile, Sodium Thiosulfate Preserved Bottle Used: Slocide Used in Source (specify) Public Water Supply Samples: Note: All results may automatically be reported to DOH if required by State. Please call shead for large projects and/or turnsround times 6 Hours or Less. Turn-Around-Time (TAT) *32 Hour TAT available for se 3 Hour 6 Hour 24 Hour 32° Hour 48 Hour 72 Hour 1 Week 96 Hour 2 Week MICROBIOLOGY TEST CODES M174 MoldSnap M001 Air-O-Cell M012 Pseudomonas aeruginosa (P/A***) M115 Sewage Screen - Water (P/A***) M030 Micro 5 M032 Allergenco-D M024 Pseudomonas aeruginosa (MFT*) M116 Sewage Screen - Water (MPN**) M041 Fungal Direct Examination M015 Heterotrophic Plate Count M117 Sewage Screen - Swab (P/A***) M169 Pollen ID & Enumeration M017 Total Coliform & E. Coli (Colilert P/A***) M013 Sewage Screen - Swab (MFT*) M280 Dust Characterization Level-1 M018 Total Coliform & E. Coli (MFT*) M730 Methicillin-resistant Staph, aureus (MRSA) M281 Dust Characterization Level-2 M114 Total Coliform & E. Coli Enumeration (Colilert MPN**) M031 Rapid-growing non-TB Mycobacteria Detection & M005 Viable Fungi-Air Samples (Genus ID & Count) M019 Fecal Coliform (MFT*) M006 Viable Fungi-Air Samples (Includes Penicillum, Aspergillus, M020 Fecal Streptococcus (MFT*) M014 Endotoxin Analysis Cladosporium, Stachybotrys Species ID & Count) M029 Enterococci (MFT*) M044 Group Allergen (Cat, Dog, Cockroach, Dust Mite) M007 Culturable Fungi-Surface Samples (Genus ID & Count) M129 Enterococci (Enterolert P/A***) M008 Culturable Fungi-Surface Samples (Includes Penicillum, M180 Real Time qPCR-ERMI 36 Panel Other - See Analytical Price Guide for Test Code Aspergillus, Cladosporium, Stachybotrys Species ID & Count) M025 Sewage Screen - Water (MFT*) Legionella Analysis Please use EMSL Legionella COC MFT= Membrane Filtration Technique M009 Bacteria Culture Gram Stain & Count M010 Bacteria Count & ID - 3 Most Prominent *MPN = Most Probable Number **P/A = Presence/Absence M011 Bacteria Count & ID - 5 Most Prominent Potable / Non-Sample Type Temperature **Test Code** Sample # Sample Location/Description Potable (Only for Volume/Area Date / Time Collected (Matrix) (Lab Use Only) Water) Example: Sample 1 Kitchen Water Potable M017 1,000 ml 1/1/2021 3:30pm RM 210 M030 25 014/24 0929 0934 (m Special Instructions and/or Regulatory Requirements (Sample Specifications, Processing Methods, Limits of Detection, etc.) Method of Shipment: Sample Condition Upon Receipt: 1050 Date/Time: Relinquished by Date/Time 1000 Relinguished by: ent - COC-34 Micro R13 03/02/202

EMSL Analytical, Inc.'s Laboratory Terms and Conditions are incorporated into this Chain of Custody by reference in their entirety. Submission of samples to EMSL Analytical, Inc. constitutes acceptance and acknowledgment of all terms and conditions by Customer.

AGREE TO ELECTRONIC SIGNATURE (By checking, I consent to signing this Chain of Custody document by electronic signature.)



AIHA Laboratory Accreditation Programs, LLC

acknowledges that EMSL Analytical, Inc. 200 Route 130 North Cinnaminson, NJ 08077 Laboratory ID: LAP-100194

along with all premises from which key activities are performed, as listed above, has fulfilled the requirements of the AIHA Laboratory Accreditation Programs (AIHA LAP), LLC accreditation to the ISO/IEC 17025:2017 international standard, General Requirements for the Competence of Testing and Calibration Laboratories in the following:

LABORATORY ACCREDITATION PROGRAMS

\checkmark	INDUSTRIAL HYGIENE	Accreditation Expires: January 01, 2025
\checkmark	ENVIRONMENTAL LEAD	Accreditation Expires: January 01, 2025
\checkmark	ENVIRONMENTAL MICROBIOLOGY	Accreditation Expires: January 01, 2025
	FOOD	Accreditation Expires:
	UNIQUE SCOPES	Accreditation Expires:

Specific Field(s) of Testing (FoT)/Method(s) within each Accreditation Program for which the above named laboratory maintains accreditation is outlined on the attached Scope of Accreditation. Continued accreditation is contingent upon successful on-going compliance with ISO/IEC 17025:2017 and AIHA LAP, LLC requirements. This certificate is not valid without the attached Scope of Accreditation. Please review the AIHA LAP, LLC website (www.aihaaccreditedlabs.org) for the most current Scope.

Cheryl o. Marton

Cheryl O Morton Managing Director, AIHA Laboratory Accreditation Programs, LLC

Revision20: 06/07/2022 Date Issued: 01/01/2023